1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.95	-1.80	20.00	<=34.77	Pass
			2	23.79	-1.80	19.84	<=34.77	Pass
			5	23.48	-1.80	19.53	<=34.77	Pass
		3	0	22.19	-1.80	18.24	<=34.77	Pass
			2	22.31	-1.80	18.36	<=34.77	Pass
			3	22.31	-1.80	18.36	<=34.77	Pass
		6	0	22.17	-1.80	18.22	<=34.77	Pass
	707.5	1	0	23.45	-1.80	19.50	<=34.77	Pass
			2	23.01	-1.80	19.06	<=34.77	Pass
			5	23.95	-1.80	20.00	<=34.77	Pass
		3	0	22.17	-1.80	18.22	<=34.77	Pass
			2	22.07	-1.80	18.12	<=34.77	Pass
			3	22.30	-1.80	18.35	<=34.77	Pass
		6	0	22.28	-1.80	18.33	<=34.77	Pass
	715.3	1	0	23.25	-1.80	19.30	<=34.77	Pass
			2	23.00	-1.80	19.05	<=34.77	Pass
			5	23.66	-1.80	19.71	<=34.77	Pass
		3	0	22.43	-1.80	18.48	<=34.77	Pass
			2	22.17	-1.80	18.22	<=34.77	Pass
			3	22.44	-1.80	18.49	<=34.77	Pass
		6	0	22.45	-1.80	18.50	<=34.77	Pass
16QAM	699.7	1	0	22.37	-1.80	18.42	<=34.77	Pass
			2	22.37	-1.80	18.42	<=34.77	Pass
			5	22.29	-1.80	18.34	<=34.77	Pass
		3	0	21.42	-1.80	17.47	<=34.77	Pass
			2	21.40	-1.80	17.45	<=34.77	Pass
			3	21.52	-1.80	17.57	<=34.77	Pass
		6	0	21.27	-1.80	17.32	<=34.77	Pass
	707.5	1	0	22.25	-1.80	18.30	<=34.77	Pass
			2	22.21	-1.80	18.26	<=34.77	Pass
			5	22.44	-1.80	18.49	<=34.77	Pass
		3	0	21.26	-1.80	17.31	<=34.77	Pass
			2	21.40	-1.80	17.45	<=34.77	Pass
			3	21.17	-1.80	17.22	<=34.77	Pass
		6	0	21.43	-1.80	17.48	<=34.77	Pass
	715.3	1	0	22.29	-1.80	18.34	<=34.77	Pass
			2	22.34	-1.80	18.39	<=34.77	Pass
			5	22.29	-1.80	18.34	<=34.77	Pass
		3	0	21.21	-1.80	17.26	<=34.77	Pass
			2	21.20	-1.80	17.25	<=34.77	Pass
			3	21.28	-1.80	17.33	<=34.77	Pass
		6	0	21.37	-1.80	17.42	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.22	-1.80	19.27	<=34.77	Pass
			7	23.80	-1.80	19.85	<=34.77	Pass
			14	23.13	-1.80	19.18	<=34.77	Pass
		8	0	22.39	-1.80	18.44	<=34.77	Pass
			4	22.03	-1.80	18.08	<=34.77	Pass
			7	22.19	-1.80	18.24	<=34.77	Pass
		15	0	22.03	-1.80	18.08	<=34.77	Pass
	707.5	1	0	23.22	-1.80	19.27	<=34.77	Pass
			7	23.25	-1.80	19.30	<=34.77	Pass
			14	23.84	-1.80	19.89	<=34.77	Pass
		8	0	22.13	-1.80	18.18	<=34.77	Pass
			4	22.38	-1.80	18.43	<=34.77	Pass
			7	22.14	-1.80	18.19	<=34.77	Pass
		15	0	22.08	-1.80	18.13	<=34.77	Pass
	714.5	1	0	23.21	-1.80	19.26	<=34.77	Pass
			7	23.91	-1.80	19.96	<=34.77	Pass
			14	23.29	-1.80	19.34	<=34.77	Pass
		8	0	22.15	-1.80	18.20	<=34.77	Pass
			4	22.25	-1.80	18.30	<=34.77	Pass
			7	22.15	-1.80	18.20	<=34.77	Pass
		15	0	22.29	-1.80	18.34	<=34.77	Pass
16QAM	700.5	1	0	22.43	-1.80	18.48	<=34.77	Pass
			7	22.04	-1.80	18.09	<=34.77	Pass
			14	22.13	-1.80	18.18	<=34.77	Pass
		8	0	21.24	-1.80	17.29	<=34.77	Pass
			4	21.21	-1.80	17.26	<=34.77	Pass
			7	21.17	-1.80	17.22	<=34.77	Pass
		15	0	21.19	-1.80	17.24	<=34.77	Pass
	707.5	1	0	22.13	-1.80	18.18	<=34.77	Pass
			7	22.02	-1.80	18.07	<=34.77	Pass
			14	22.23	-1.80	18.28	<=34.77	Pass
		8	0	21.49	-1.80	17.54	<=34.77	Pass
			4	21.52	-1.80	17.57	<=34.77	Pass
			7	21.52	-1.80	17.57	<=34.77	Pass
		15	0	21.27	-1.80	17.32	<=34.77	Pass
	714.5	1	0	22.36	-1.80	18.41	<=34.77	Pass
			7	22.18	-1.80	18.23	<=34.77	Pass
			14	22.17	-1.80	18.22	<=34.77	Pass
		8	0	21.34	-1.80	17.39	<=34.77	Pass
			4	21.53	-1.80	17.58	<=34.77	Pass
			7	21.20	-1.80	17.25	<=34.77	Pass
		15	0	21.24	-1.80	17.29	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.86	-1.80	19.91	<=34.77	Pass
			13	23.00	-1.80	19.05	<=34.77	Pass
			24	23.72	-1.80	19.77	<=34.77	Pass
		12	0	22.31	-1.80	18.36	<=34.77	Pass
			6	22.22	-1.80	18.27	<=34.77	Pass

			13	22.25	-1.80	18.30	<=34.77	Pass
		25	0	22.12	-1.80	18.17	<=34.77	Pass
	707.5	1	0	23.94	-1.80	19.99	<=34.77	Pass
			13	23.62	-1.80	19.67	<=34.77	Pass
			24	23.92	-1.80	19.97	<=34.77	Pass
		12	0	22.34	-1.80	18.39	<=34.77	Pass
			6	22.29	-1.80	18.34	<=34.77	Pass
			13	22.22	-1.80	18.27	<=34.77	Pass
		25	0	22.33	-1.80	18.38	<=34.77	Pass
	713.5	1	0	23.49	-1.80	19.54	<=34.77	Pass
			13	23.13	-1.80	19.18	<=34.77	Pass
			24	23.82	-1.80	19.87	<=34.77	Pass
		12	0	22.21	-1.80	18.26	<=34.77	Pass
			6	22.45	-1.80	18.50	<=34.77	Pass
			13	22.02	-1.80	18.07	<=34.77	Pass
		25	0	22.12	-1.80	18.17	<=34.77	Pass
16QAM	701.5	1	0	22.10	-1.80	18.15	<=34.77	Pass
			13	22.20	-1.80	18.25	<=34.77	Pass
			24	22.08	-1.80	18.13	<=34.77	Pass
		12	0	21.21	-1.80	17.26	<=34.77	Pass
			6	21.53	-1.80	17.58	<=34.77	Pass
			13	21.47	-1.80	17.52	<=34.77	Pass
		25	0	21.27	-1.80	17.32	<=34.77	Pass
	707.5	1	0	22.45	-1.80	18.50	<=34.77	Pass
			13	22.41	-1.80	18.46	<=34.77	Pass
			24	22.45	-1.80	18.50	<=34.77	Pass
		12	0	21.15	-1.80	17.20	<=34.77	Pass
			6	21.26	-1.80	17.31	<=34.77	Pass
			13	21.32	-1.80	17.37	<=34.77	Pass
		25	0	21.34	-1.80	17.39	<=34.77	Pass
	713.5	1	0	22.32	-1.80	18.37	<=34.77	Pass
			13	22.39	-1.80	18.44	<=34.77	Pass
			24	22.22	-1.80	18.27	<=34.77	Pass
		12	0	21.51	-1.80	17.56	<=34.77	Pass
			6	21.30	-1.80	17.35	<=34.77	Pass
			13	21.44	-1.80	17.49	<=34.77	Pass
		25	0	21.52	-1.80	17.57	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.80	-1.80	19.85	<=34.77	Pass
			25	23.83	-1.80	19.88	<=34.77	Pass
			49	23.65	-1.80	19.70	<=34.77	Pass
		25	0	22.38	-1.80	18.43	<=34.77	Pass
			13	22.35	-1.80	18.40	<=34.77	Pass
			25	22.27	-1.80	18.32	<=34.77	Pass
		50	0	22.11	-1.80	18.16	<=34.77	Pass
	707.5	1	0	23.38	-1.80	19.43	<=34.77	Pass
			25	23.10	-1.80	19.15	<=34.77	Pass
			49	23.82	-1.80	19.87	<=34.77	Pass
		25	0	22.14	-1.80	18.19	<=34.77	Pass
			13	22.43	-1.80	18.48	<=34.77	Pass
			25	22.15	-1.80	18.20	<=34.77	Pass
		50	0	22.39	-1.80	18.44	<=34.77	Pass

	711	1	0	23.74	-1.80	19.79	<=34.77	Pass
			25	23.86	-1.80	19.91	<=34.77	Pass
			49	23.58	-1.80	19.63	<=34.77	Pass
		25	0	22.26	-1.80	18.31	<=34.77	Pass
			13	22.14	-1.80	18.19	<=34.77	Pass
			25	22.18	-1.80	18.23	<=34.77	Pass
		50	0	22.12	-1.80	18.17	<=34.77	Pass
16QAM	704	1	0	22.02	-1.80	18.07	<=34.77	Pass
			25	22.43	-1.80	18.48	<=34.77	Pass
			49	22.31	-1.80	18.36	<=34.77	Pass
		25	0	21.44	-1.80	17.49	<=34.77	Pass
			13	21.19	-1.80	17.24	<=34.77	Pass
			25	21.31	-1.80	17.36	<=34.77	Pass
		50	0	21.19	-1.80	17.24	<=34.77	Pass
	707.5	1	0	22.44	-1.80	18.49	<=34.77	Pass
			25	22.24	-1.80	18.29	<=34.77	Pass
			49	22.36	-1.80	18.41	<=34.77	Pass
		25	0	21.39	-1.80	17.44	<=34.77	Pass
			13	21.16	-1.80	17.21	<=34.77	Pass
			25	21.22	-1.80	17.27	<=34.77	Pass
		50	0	21.47	-1.80	17.52	<=34.77	Pass
	711	1	0	22.45	-1.80	18.50	<=34.77	Pass
			25	22.22	-1.80	18.27	<=34.77	Pass
			49	22.38	-1.80	18.43	<=34.77	Pass
		25	0	21.31	-1.80	17.36	<=34.77	Pass
			13	21.27	-1.80	17.32	<=34.77	Pass
			25	21.30	-1.80	17.35	<=34.77	Pass
		50	0	21.17	-1.80	17.22	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	0.801	0.0011	-2.5 to 2.5	Pass
					3.85	3.834	0.0055	-2.5 to 2.5	Pass
					4.43	3.762	0.0054	-2.5 to 2.5	Pass
				-30	3.85	3.748	0.0054	-2.5 to 2.5	Pass
				-20	3.85	5.822	0.0083	-2.5 to 2.5	Pass
				-10	3.85	3.948	0.0056	-2.5 to 2.5	Pass
				0	3.85	6.709	0.0096	-2.5 to 2.5	Pass
				10	3.85	3.748	0.0054	-2.5 to 2.5	Pass
				30	3.85	2.661	0.0038	-2.5 to 2.5	Pass
				40	3.85	0.672	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.373	0.0020	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	1.802	0.0025	-2.5 to 2.5	Pass
					3.85	4.091	0.0058	-2.5 to 2.5	Pass
					4.43	1.903	0.0027	-2.5 to 2.5	Pass
				-30	3.85	3.004	0.0042	-2.5 to 2.5	Pass
				-20	3.85	1.674	0.0024	-2.5 to 2.5	Pass
				-10	3.85	2.418	0.0034	-2.5 to 2.5	Pass

				0	3.85	1.373	0.0019	-2.5 to 2.5	Pass
				10	3.85	2.661	0.0038	-2.5 to 2.5	Pass
				30	3.85	2.933	0.0041	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.85	3.834	0.0054	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	0.958	0.0013	-2.5 to 2.5	Pass
					3.85	3.691	0.0052	-2.5 to 2.5	Pass
					4.43	4.649	0.0065	-2.5 to 2.5	Pass
				-30	3.85	1.101	0.0015	-2.5 to 2.5	Pass
				-20	3.85	4.349	0.0061	-2.5 to 2.5	Pass
				-10	3.85	0.844	0.0012	-2.5 to 2.5	Pass
				0	3.85	3.533	0.0049	-2.5 to 2.5	Pass
				10	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				50	3.85	2.575	0.0036	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	1.230	0.0018	-2.5 to 2.5	Pass
					3.85	2.704	0.0039	-2.5 to 2.5	Pass
					4.43	0.415	0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.375	0.0034	-2.5 to 2.5	Pass
				-20	3.85	2.861	0.0041	-2.5 to 2.5	Pass
				-10	3.85	4.692	0.0067	-2.5 to 2.5	Pass
				0	3.85	2.060	0.0029	-2.5 to 2.5	Pass
				10	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	3.85	1.931	0.0028	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0010	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	2.117	0.0030	-2.5 to 2.5	Pass
					3.85	1.130	0.0016	-2.5 to 2.5	Pass
					4.43	1.645	0.0023	-2.5 to 2.5	Pass
				-30	3.85	0.858	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				10	3.85	2.289	0.0032	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0026	-2.5 to 2.5	Pass
				40	3.85	2.317	0.0033	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	1.702	0.0024	-2.5 to 2.5	Pass
					3.85	0.701	0.0010	-2.5 to 2.5	Pass
					4.43	0.472	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0014	-2.5 to 2.5	Pass
				-20	3.85	4.778	0.0067	-2.5 to 2.5	Pass
				-10	3.85	4.005	0.0056	-2.5 to 2.5	Pass
				0	3.85	2.546	0.0036	-2.5 to 2.5	Pass
				10	3.85	2.732	0.0038	-2.5 to 2.5	Pass
				30	3.85	1.431	0.0020	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	1.130	0.0016	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-1.159	-0.0017	-2.5 to 2.5	Pass
					3.85	3.018	0.0043	-2.5 to 2.5	Pass
					4.43	1.817	0.0026	-2.5 to 2.5	Pass

				-30	3.85	2.789	0.0040	-2.5 to 2.5	Pass
				-20	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				30	3.85	1.445	0.0021	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	0.243	0.0003	-2.5 to 2.5	Pass
					3.85	2.618	0.0037	-2.5 to 2.5	Pass
					4.43	2.031	0.0029	-2.5 to 2.5	Pass
				-30	3.85	3.834	0.0054	-2.5 to 2.5	Pass
				-20	3.85	1.059	0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.731	0.0024	-2.5 to 2.5	Pass
				0	3.85	3.791	0.0054	-2.5 to 2.5	Pass
				10	3.85	4.535	0.0064	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				40	3.85	2.332	0.0033	-2.5 to 2.5	Pass
				50	3.85	1.159	0.0016	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-0.873	-0.0012	-2.5 to 2.5	Pass
					3.85	4.764	0.0067	-2.5 to 2.5	Pass
					4.43	1.030	0.0014	-2.5 to 2.5	Pass
				-30	3.85	3.576	0.0050	-2.5 to 2.5	Pass
				-20	3.85	3.233	0.0045	-2.5 to 2.5	Pass
				-10	3.85	1.001	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.459	0.0020	-2.5 to 2.5	Pass
				10	3.85	2.832	0.0040	-2.5 to 2.5	Pass
				30	3.85	3.462	0.0048	-2.5 to 2.5	Pass
				40	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				50	3.85	4.163	0.0058	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-1.488	-0.0021	-2.5 to 2.5	Pass
					3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
					4.43	0.601	0.0009	-2.5 to 2.5	Pass
				-30	3.85	2.031	0.0029	-2.5 to 2.5	Pass
				-20	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	3.262	0.0047	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				30	3.85	1.445	0.0021	-2.5 to 2.5	Pass
				40	3.85	1.631	0.0023	-2.5 to 2.5	Pass
				50	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	0.501	0.0007	-2.5 to 2.5	Pass
					3.85	2.503	0.0035	-2.5 to 2.5	Pass
					4.43	2.589	0.0037	-2.5 to 2.5	Pass
				-30	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.432	0.0034	-2.5 to 2.5	Pass
				0	3.85	1.473	0.0021	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				30	3.85	2.604	0.0037	-2.5 to 2.5	Pass
				40	3.85	2.017	0.0029	-2.5 to 2.5	Pass
				50	3.85	1.917	0.0027	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-0.672	-0.0009	-2.5 to 2.5	Pass
					3.85	0.072	0.0001	-2.5 to 2.5	Pass
					4.43	2.618	0.0037	-2.5 to 2.5	Pass
				-30	3.85	3.519	0.0049	-2.5 to 2.5	Pass
				-20	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				-10	3.85	0.987	0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.887	-0.0012	-2.5 to 2.5	Pass

				10	3.85	1.545	0.0022	-2.5 to 2.5	Pass
				30	3.85	1.917	0.0027	-2.5 to 2.5	Pass
				40	3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
				50	3.85	1.988	0.0028	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-2.661	-0.0038	-2.5 to 2.5	Pass
					3.85	1.502	0.0021	-2.5 to 2.5	Pass
					4.43	0.401	0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.346	0.0033	-2.5 to 2.5	Pass
				-20	3.85	3.362	0.0048	-2.5 to 2.5	Pass
				-10	3.85	0.644	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.832	0.0040	-2.5 to 2.5	Pass
				10	3.85	2.489	0.0035	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				50	3.85	1.931	0.0028	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-1.788	-0.0025	-2.5 to 2.5	Pass
					3.85	0.687	0.0010	-2.5 to 2.5	Pass
					4.43	1.760	0.0025	-2.5 to 2.5	Pass
				-30	3.85	1.903	0.0027	-2.5 to 2.5	Pass
				-20	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-3.405	-0.0048	-2.5 to 2.5	Pass
				0	3.85	0.529	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				30	3.85	0.958	0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.903	-0.0027	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
					4.43	0.658	0.0009	-2.5 to 2.5	Pass
				-30	3.85	4.063	0.0057	-2.5 to 2.5	Pass
				-20	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.059	0.0015	-2.5 to 2.5	Pass
				0	3.85	2.117	0.0030	-2.5 to 2.5	Pass
				10	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	0.772	0.0011	-2.5 to 2.5	Pass
					3.85	1.402	0.0020	-2.5 to 2.5	Pass
					4.43	1.760	0.0025	-2.5 to 2.5	Pass
				-30	3.85	2.317	0.0033	-2.5 to 2.5	Pass
				-20	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				0	3.85	3.119	0.0044	-2.5 to 2.5	Pass
				10	3.85	2.618	0.0037	-2.5 to 2.5	Pass
				30	3.85	2.260	0.0032	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.358	0.0005	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.701	-0.0010	-2.5 to 2.5	Pass
					3.85	1.016	0.0014	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.031	-0.0029	-2.5 to 2.5	Pass

				-20	3.85	1.173	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
				0	3.85	2.761	0.0039	-2.5 to 2.5	Pass
				10	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.858	0.0012	-2.5 to 2.5	Pass
				50	3.85	0.973	0.0014	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.687	-0.0010	-2.5 to 2.5	Pass
					3.85	2.232	0.0031	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.101	0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.887	0.0012	-2.5 to 2.5	Pass
				10	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.360	0.0033	-2.5 to 2.5	Pass
				40	3.85	1.116	0.0016	-2.5 to 2.5	Pass
				50	3.85	2.275	0.0032	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-0.186	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
					4.43	3.748	0.0053	-2.5 to 2.5	Pass
				-30	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.973	0.0014	-2.5 to 2.5	Pass
				0	3.85	0.944	0.0013	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.286	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.246	0.0032	-2.5 to 2.5	Pass
				50	3.85	2.818	0.0040	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
					3.85	0.758	0.0011	-2.5 to 2.5	Pass
					4.43	2.689	0.0038	-2.5 to 2.5	Pass
				-30	3.85	2.003	0.0028	-2.5 to 2.5	Pass
				-20	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.131	0.0030	-2.5 to 2.5	Pass
				0	3.85	1.674	0.0024	-2.5 to 2.5	Pass
				10	3.85	1.230	0.0017	-2.5 to 2.5	Pass
				30	3.85	1.788	0.0025	-2.5 to 2.5	Pass
				40	3.85	1.187	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.260	0.0032	-2.5 to 2.5	Pass
	711	50	0	20	3.27	2.146	0.0030	-2.5 to 2.5	Pass
					3.85	0.687	0.0010	-2.5 to 2.5	Pass
					4.43	0.887	0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.316	0.0019	-2.5 to 2.5	Pass
				-20	3.85	1.731	0.0024	-2.5 to 2.5	Pass
				-10	3.85	2.289	0.0032	-2.5 to 2.5	Pass
				0	3.85	3.405	0.0048	-2.5 to 2.5	Pass
				10	3.85	1.159	0.0016	-2.5 to 2.5	Pass
				30	3.85	1.159	0.0016	-2.5 to 2.5	Pass
				40	3.85	0.658	0.0009	-2.5 to 2.5	Pass
				50	3.85	1.774	0.0025	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-0.057	-0.0001	-2.5 to 2.5	Pass

					3.85	0.801	0.0011	-2.5 to 2.5	Pass
					4.43	2.146	0.0030	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.358	0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.532	0.0036	-2.5 to 2.5	Pass
				0	3.85	1.688	0.0024	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				30	3.85	1.388	0.0020	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				50	3.85	2.303	0.0033	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	1.559	0.0022	-2.5 to 2.5	Pass
					3.85	0.772	0.0011	-2.5 to 2.5	Pass
					4.43	1.101	0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.245	0.0018	-2.5 to 2.5	Pass
				-20	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.545	0.0022	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				10	3.85	2.818	0.0040	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.159	0.0016	-2.5 to 2.5	Pass
				50	3.85	0.987	0.0014	-2.5 to 2.5	Pass
	711	50	0	20	3.27	1.230	0.0017	-2.5 to 2.5	Pass
					3.85	2.246	0.0032	-2.5 to 2.5	Pass
					4.43	0.515	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	3.662	0.0052	-2.5 to 2.5	Pass
				0	3.85	1.616	0.0023	-2.5 to 2.5	Pass
				10	3.85	0.687	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.275	0.0032	-2.5 to 2.5	Pass
				40	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

3.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

3.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

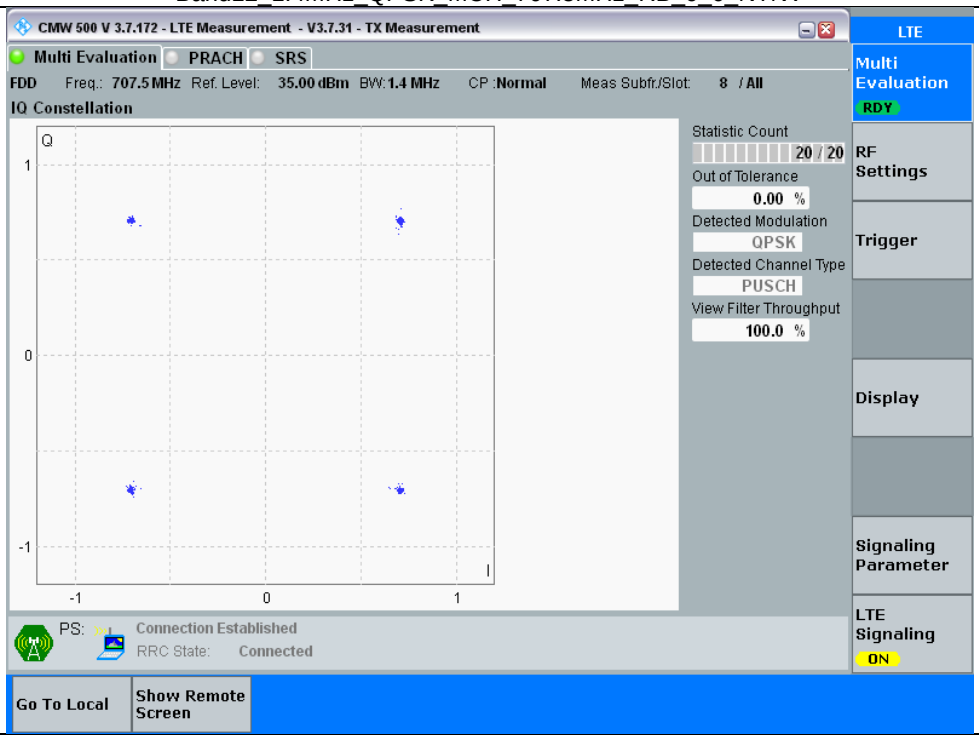
3.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

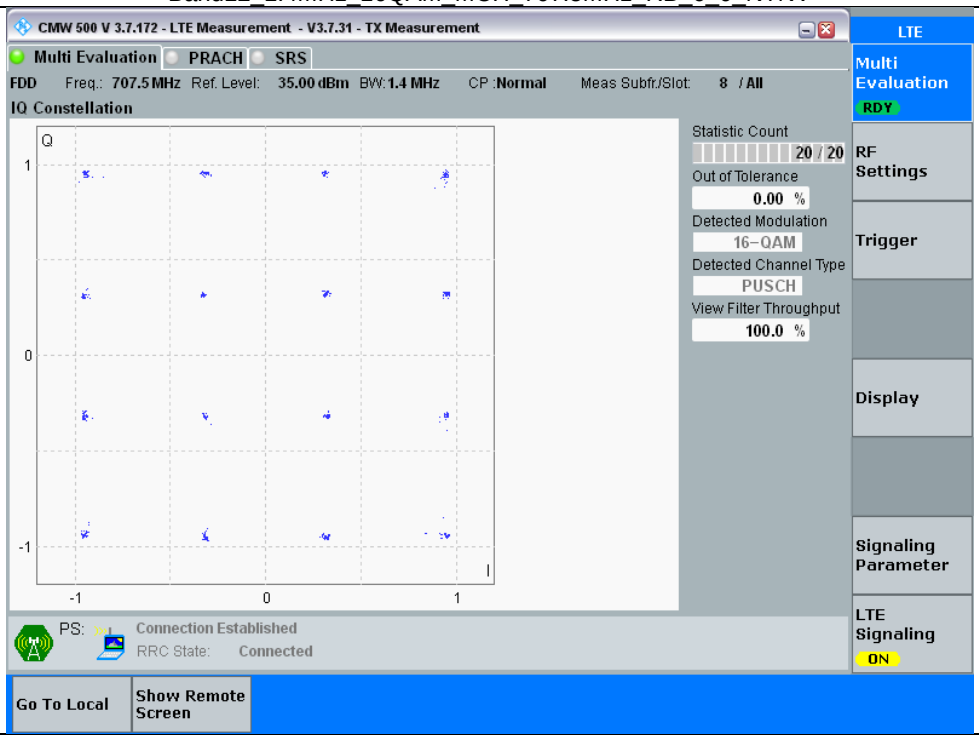
3.2 Test Graph

3.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

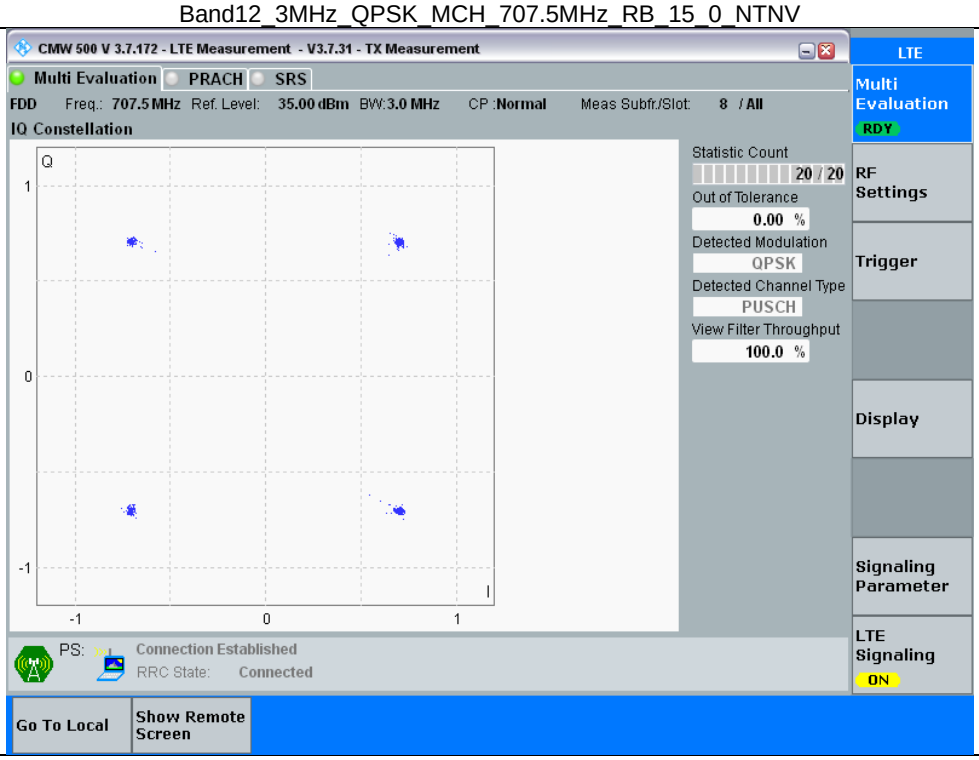


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

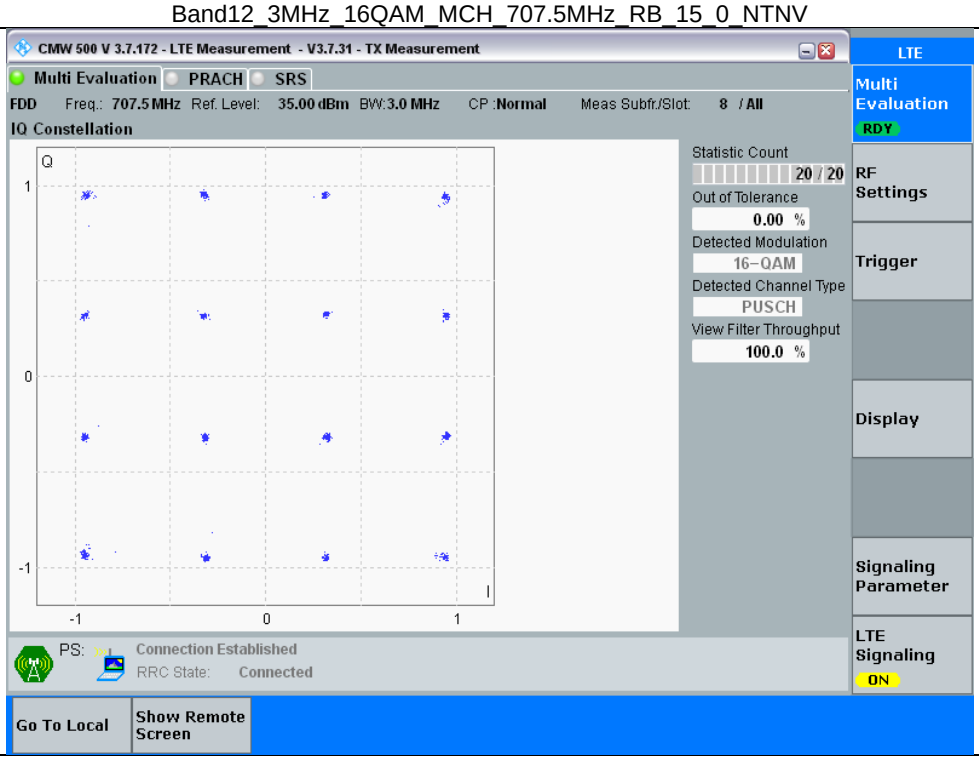


3.2.2 B12_3MHz

Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

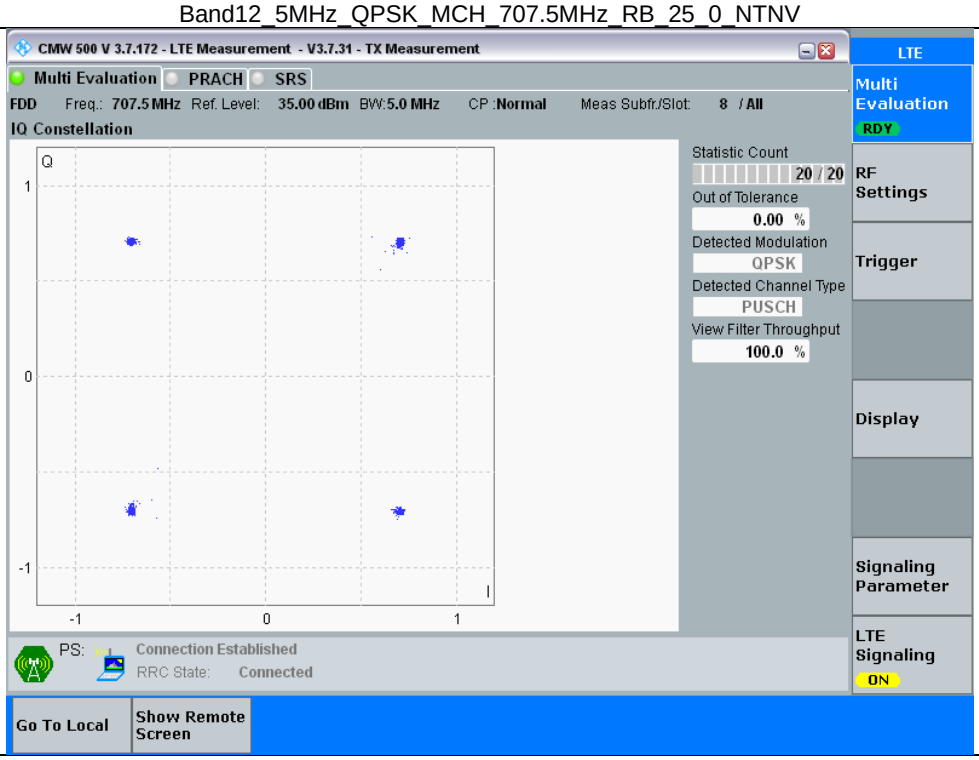


Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

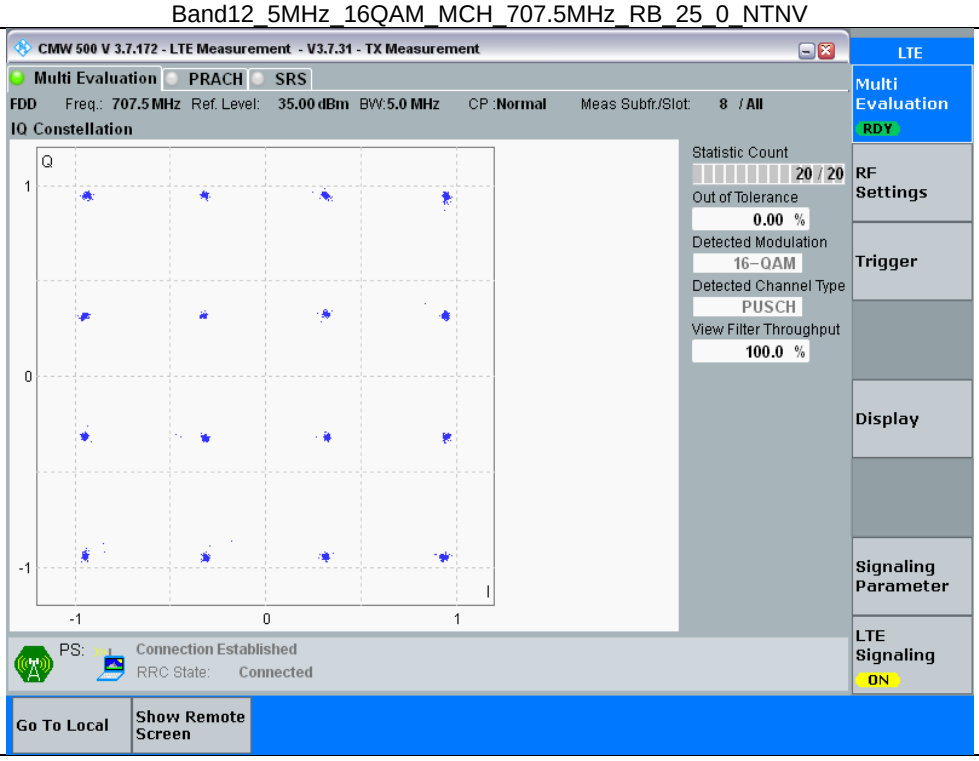


3.2.3 B12_5MHz

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

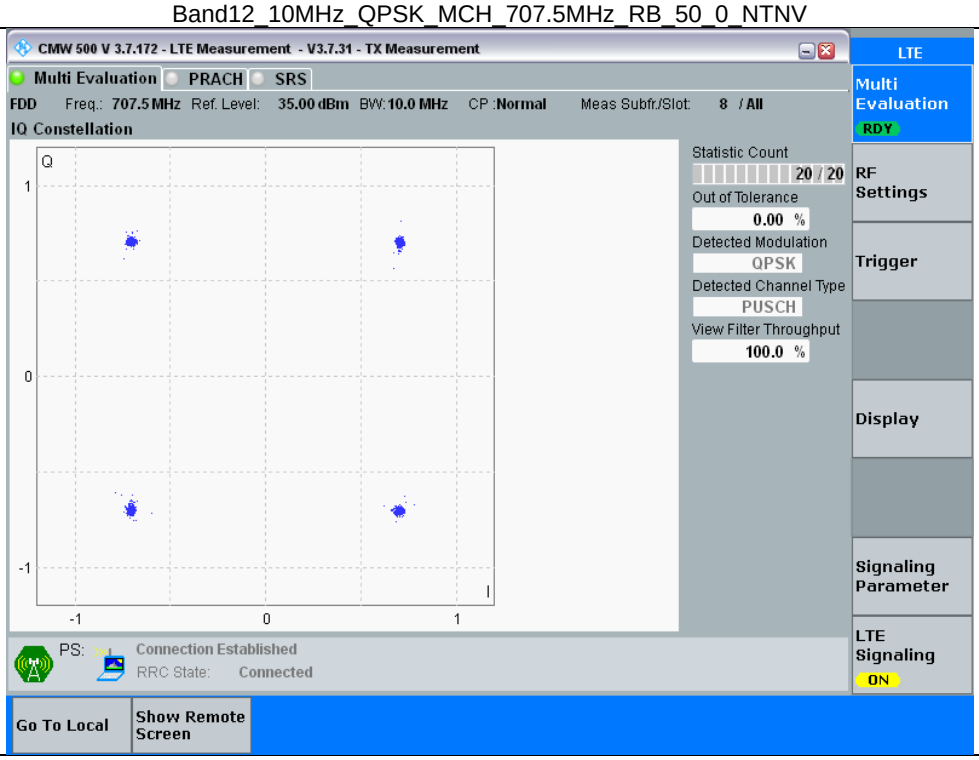


Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

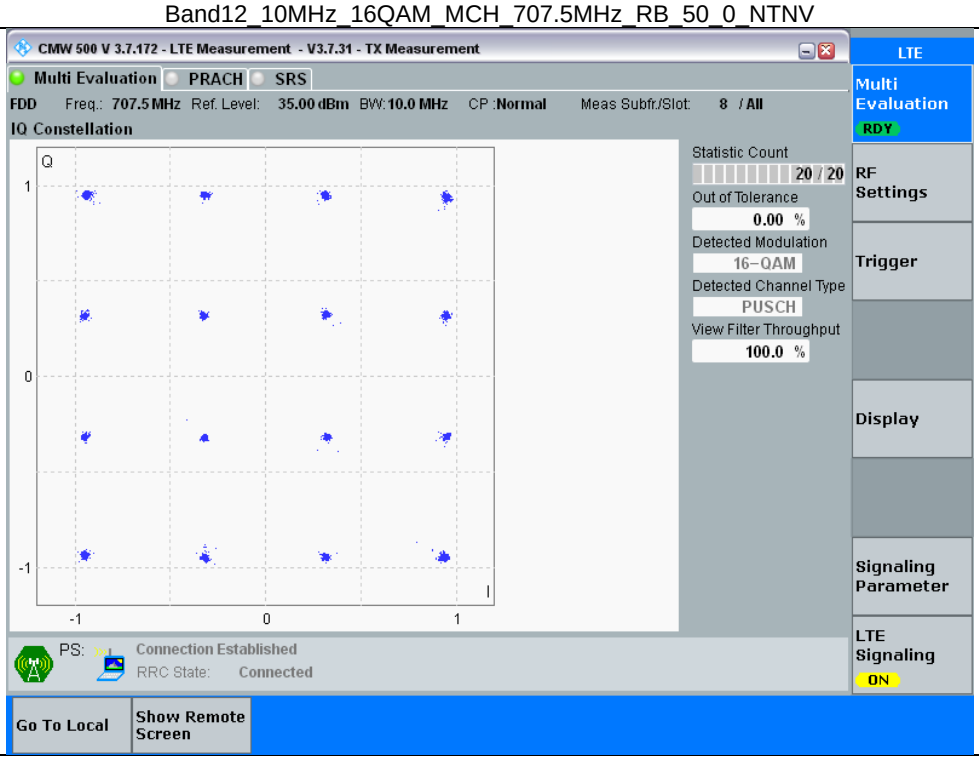


3.2.4 B12_10MHz

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.118	/	Pass
		707.5	6	0	1.114	/	Pass
		715.3	6	0	1.119	/	Pass
	16QAM	699.7	6	0	1.114	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.113	/	Pass
3	QPSK	700.5	15	0	2.725	/	Pass
		707.5	15	0	2.733	/	Pass
		714.5	15	0	2.741	/	Pass
	16QAM	700.5	15	0	2.726	/	Pass
		707.5	15	0	2.728	/	Pass
		714.5	15	0	2.724	/	Pass
5	QPSK	701.5	25	0	4.538	/	Pass
		707.5	25	0	4.555	/	Pass
		713.5	25	0	4.536	/	Pass
	16QAM	701.5	25	0	4.565	/	Pass
		707.5	25	0	4.537	/	Pass
		713.5	25	0	4.533	/	Pass
10	QPSK	704	50	0	9.069	/	Pass
		707.5	50	0	9.066	/	Pass
		711	50	0	9.013	/	Pass
	16QAM	704	50	0	9.066	/	Pass
		707.5	50	0	9.068	/	Pass
		711	50	0	9.003	/	Pass

4.1.2 Band12_XDB

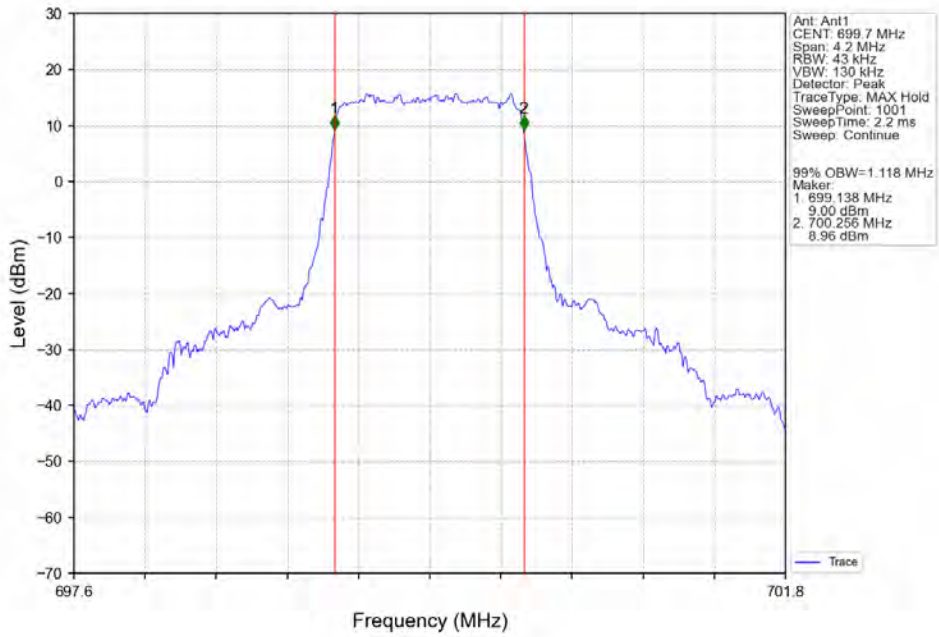
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.316	/	Pass
		707.5	6	0	1.329	/	Pass
		715.3	6	0	1.335	/	Pass
	16QAM	699.7	6	0	1.310	/	Pass
		707.5	6	0	1.303	/	Pass
		715.3	6	0	1.341	/	Pass
3	QPSK	700.5	15	0	3.011	/	Pass
		707.5	15	0	3.021	/	Pass
		714.5	15	0	3.010	/	Pass
	16QAM	700.5	15	0	3.022	/	Pass
		707.5	15	0	3.011	/	Pass
		714.5	15	0	3.021	/	Pass
5	QPSK	701.5	25	0	5.043	/	Pass
		707.5	25	0	5.034	/	Pass
		713.5	25	0	5.066	/	Pass

	16QAM	701.5	25	0	5.042	/	Pass
		707.5	25	0	5.015	/	Pass
		713.5	25	0	5.054	/	Pass
10	QPSK	704	50	0	9.977	/	Pass
		707.5	50	0	9.952	/	Pass
		711	50	0	9.920	/	Pass
	16QAM	704	50	0	9.989	/	Pass
		707.5	50	0	9.922	/	Pass
		711	50	0	9.886	/	Pass

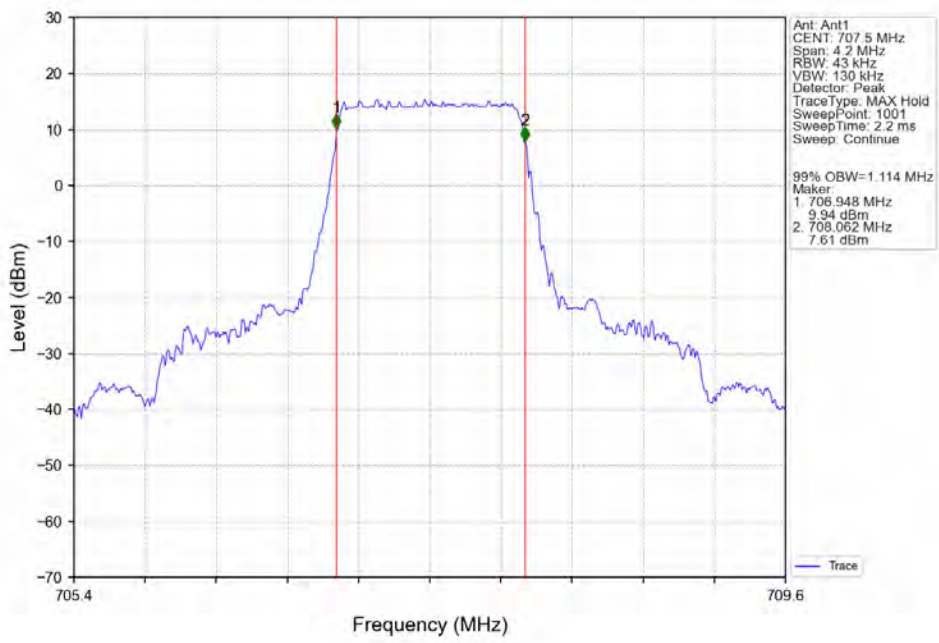
4.2 Test Graph

4.2.1 Band12_OBW

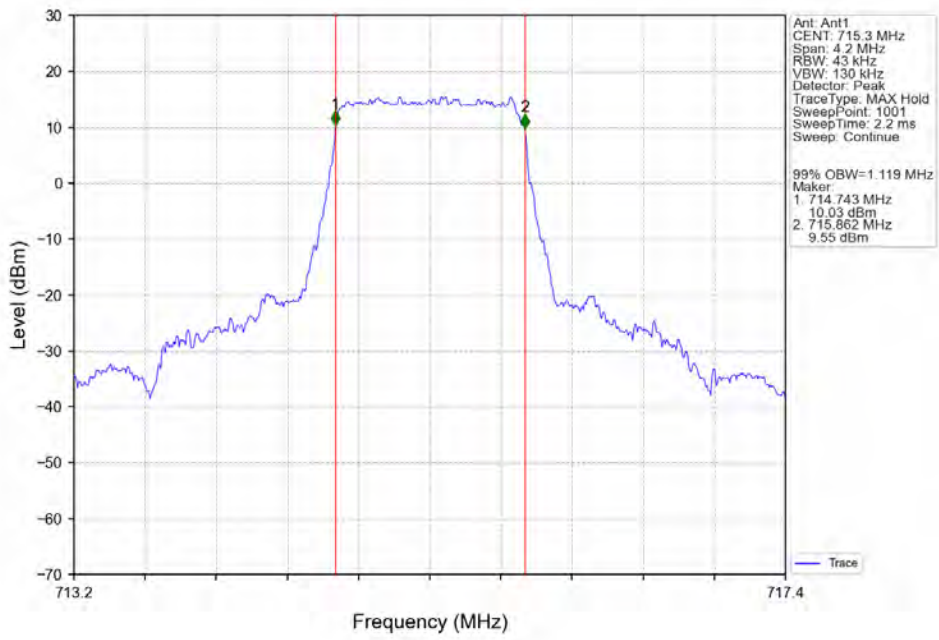
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



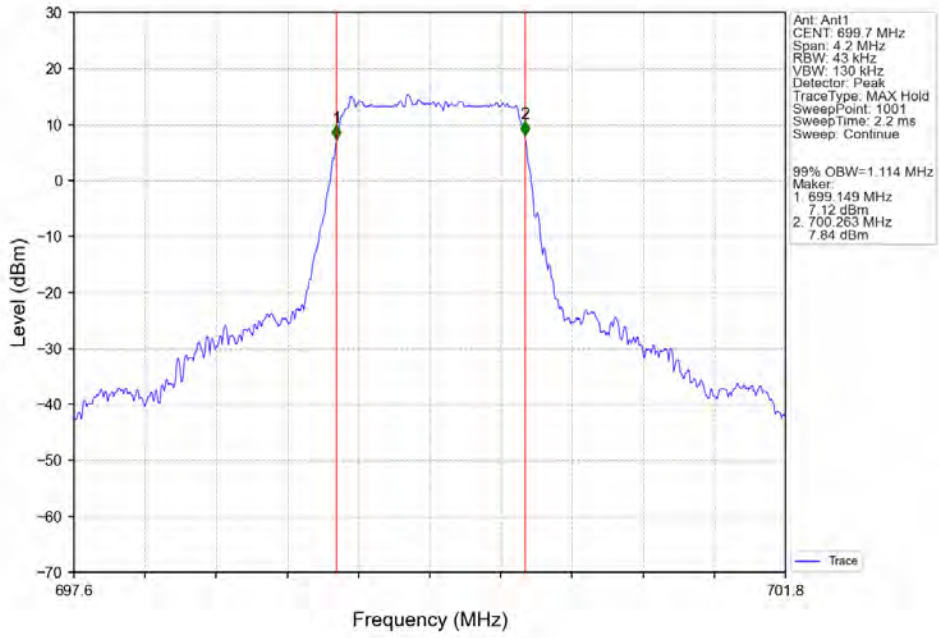
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



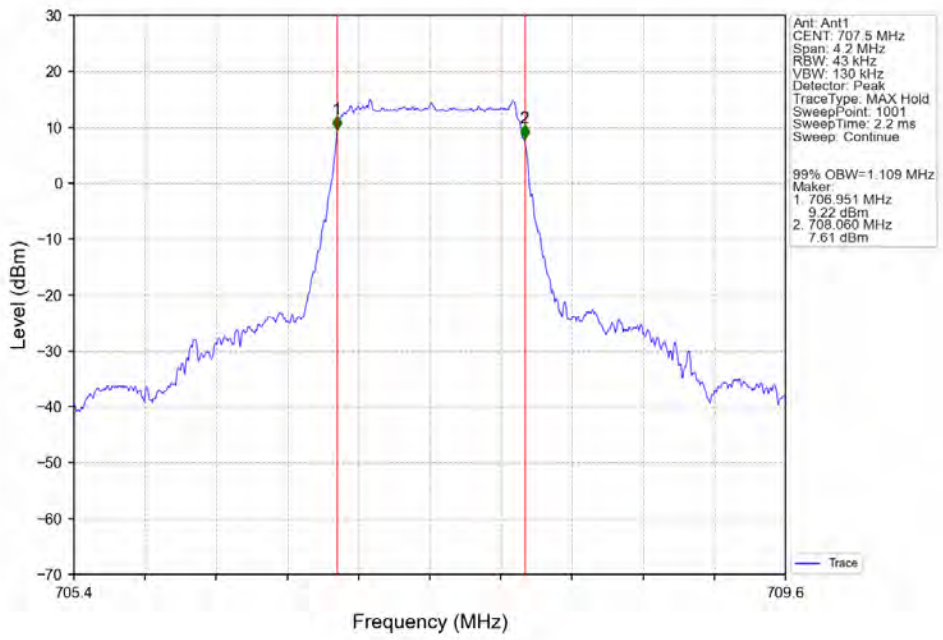
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



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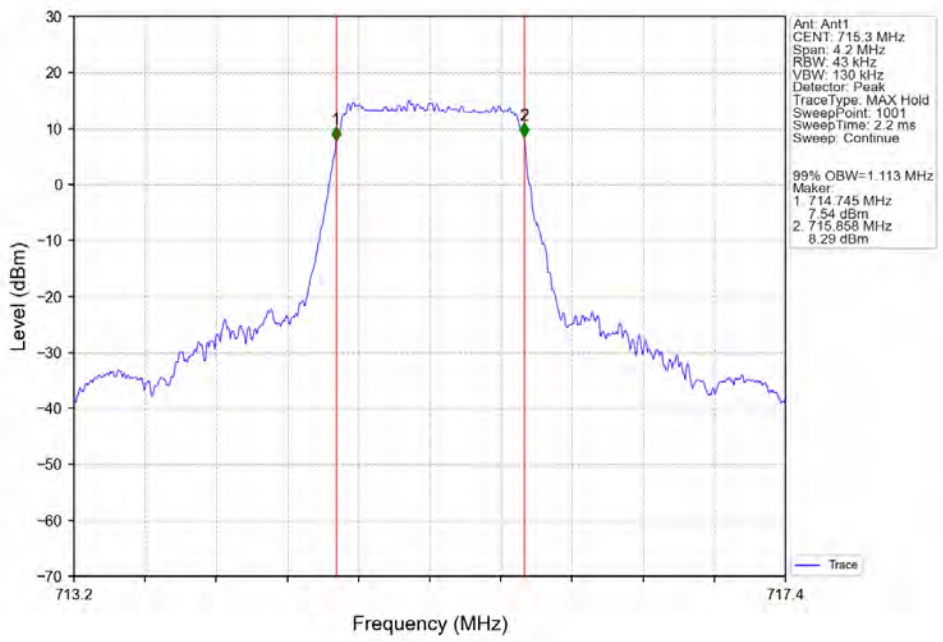
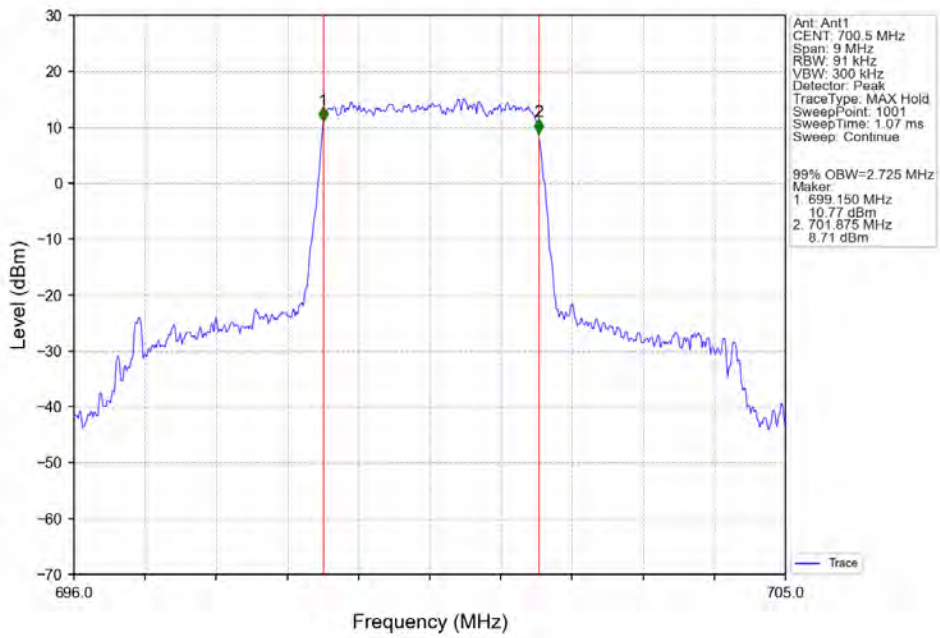
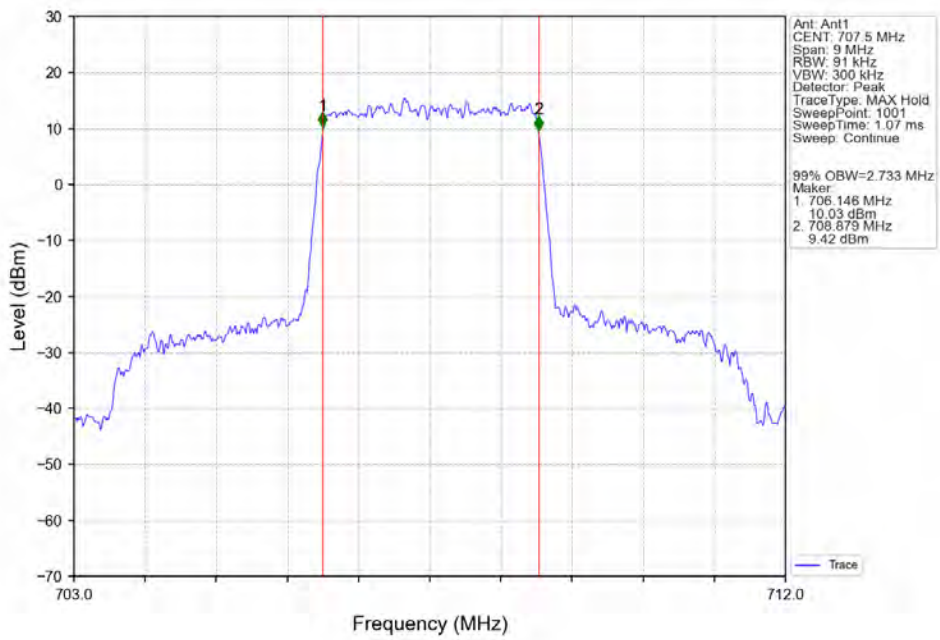


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



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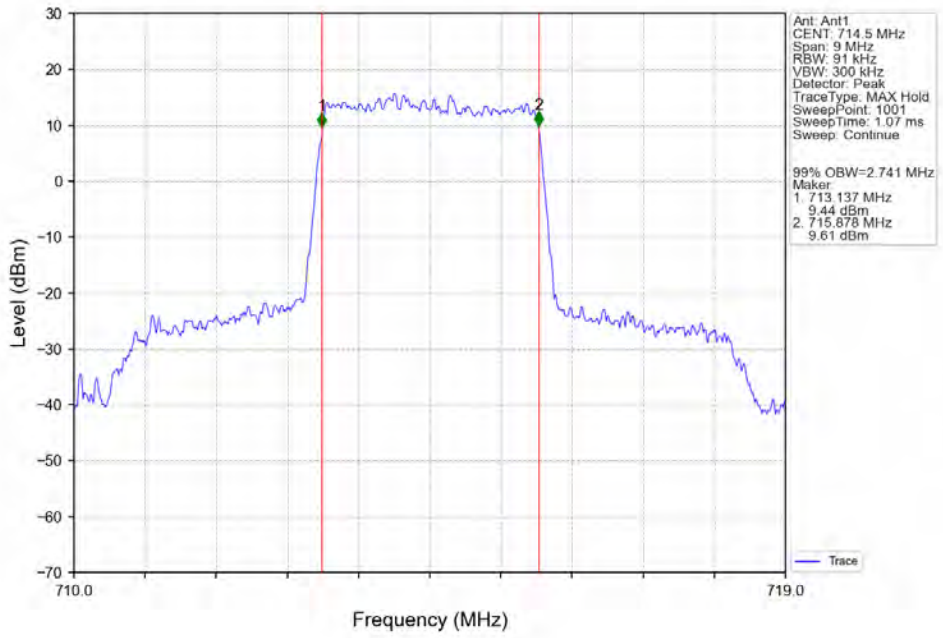
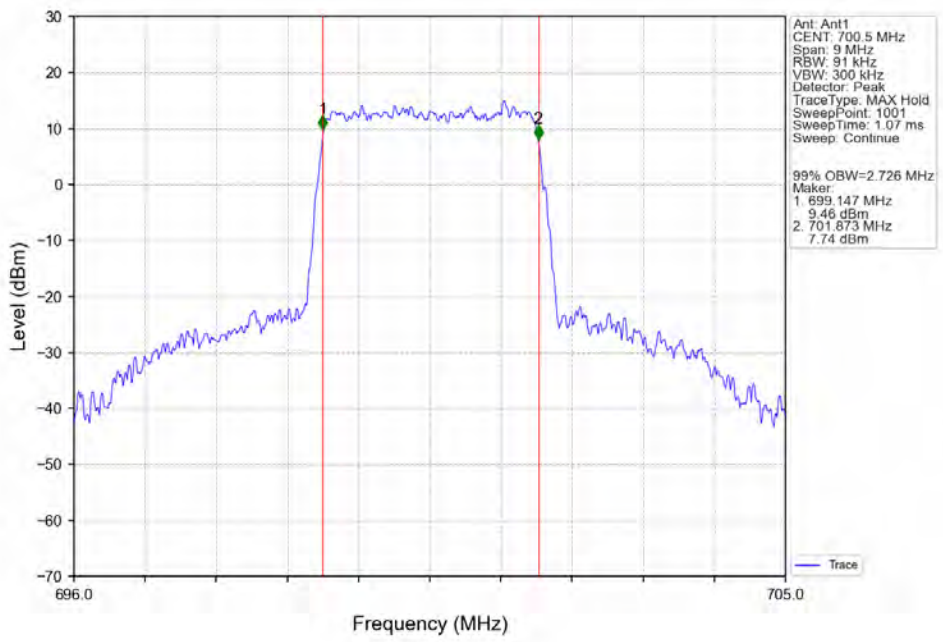
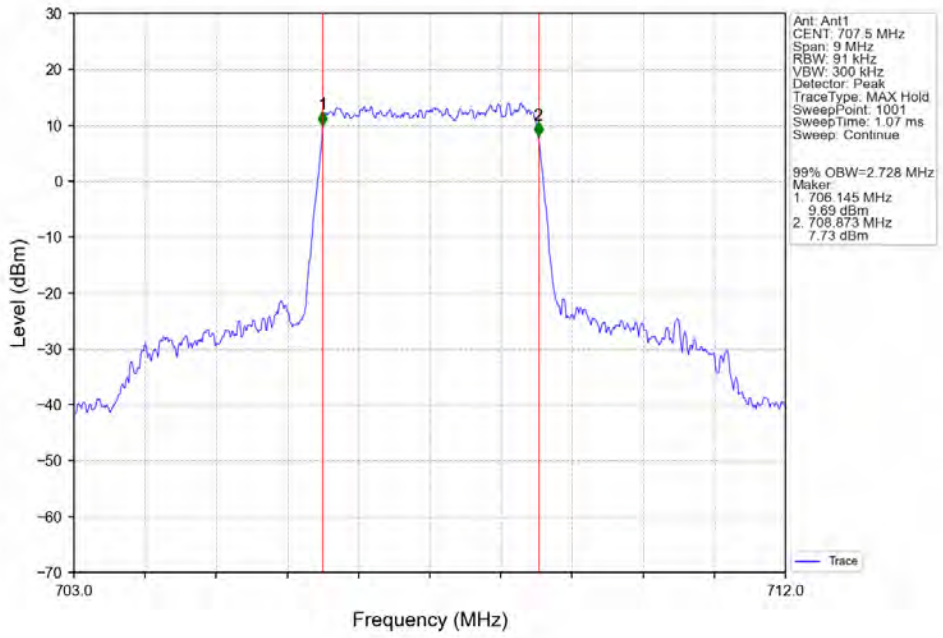


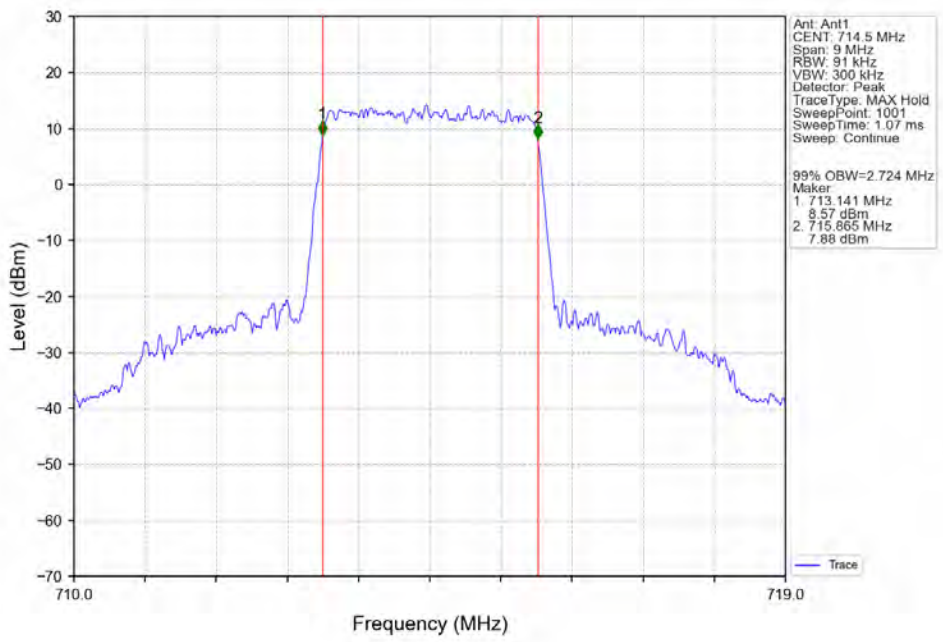
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



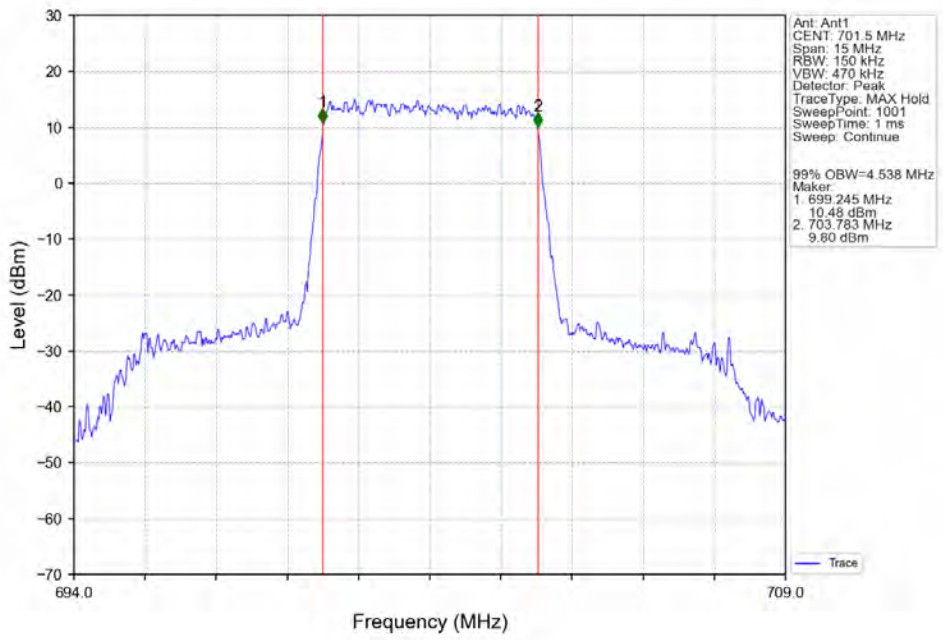
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



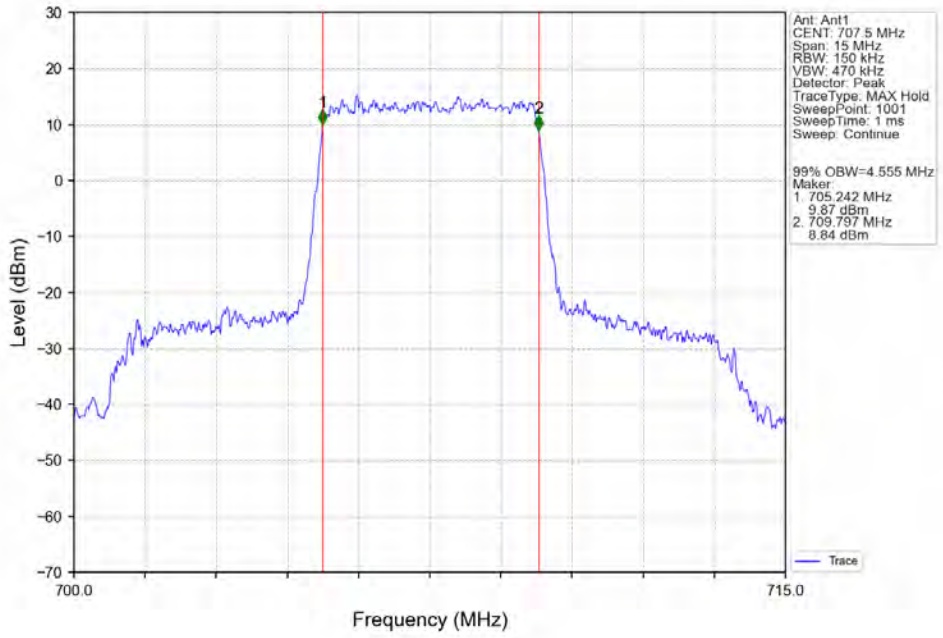
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



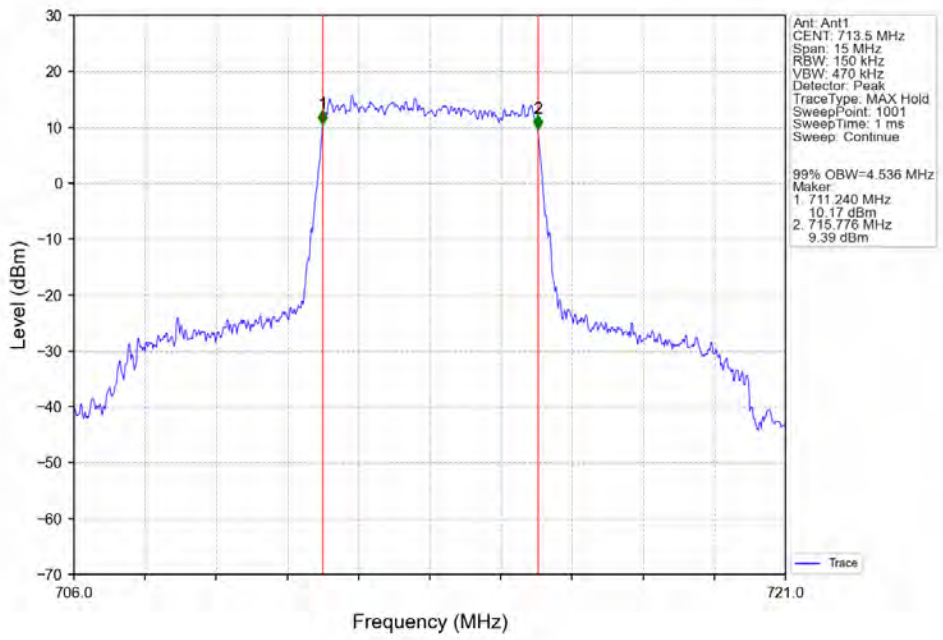
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



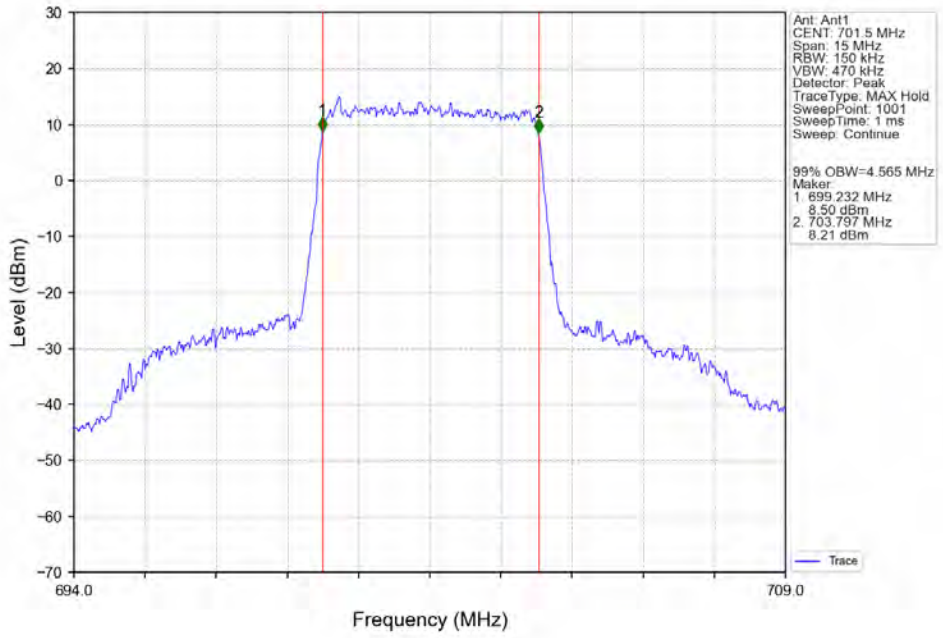
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



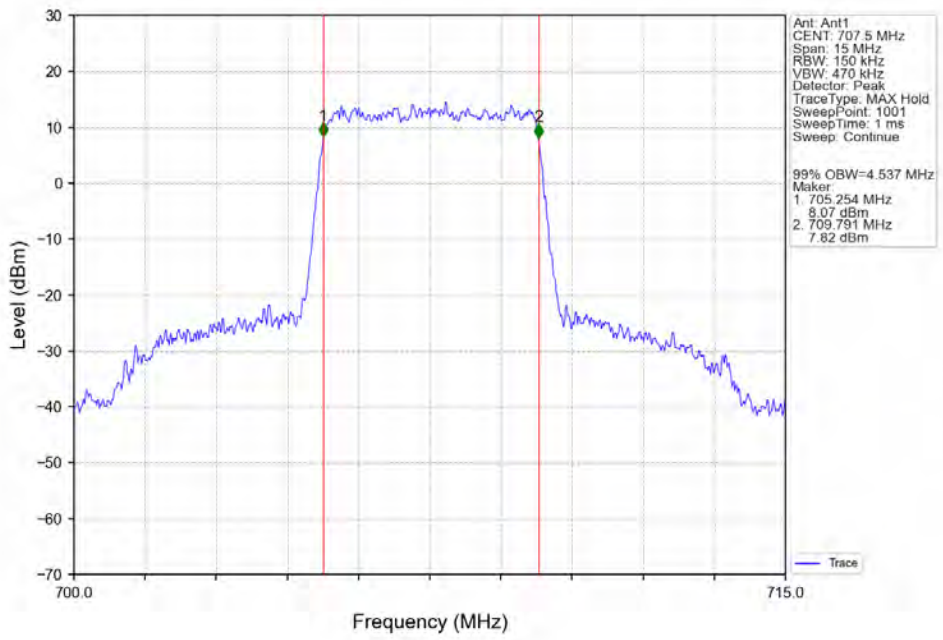
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



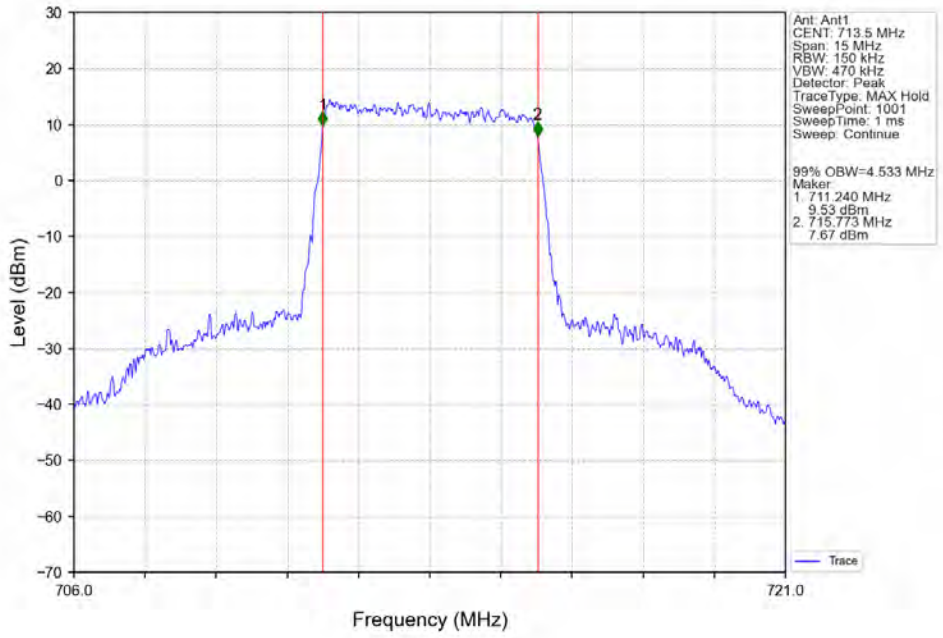
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



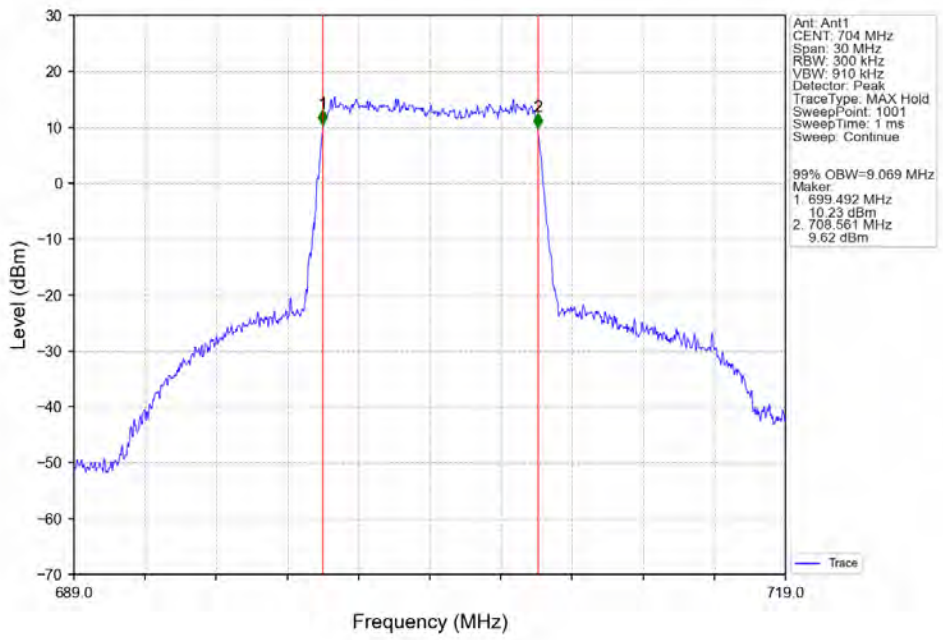
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



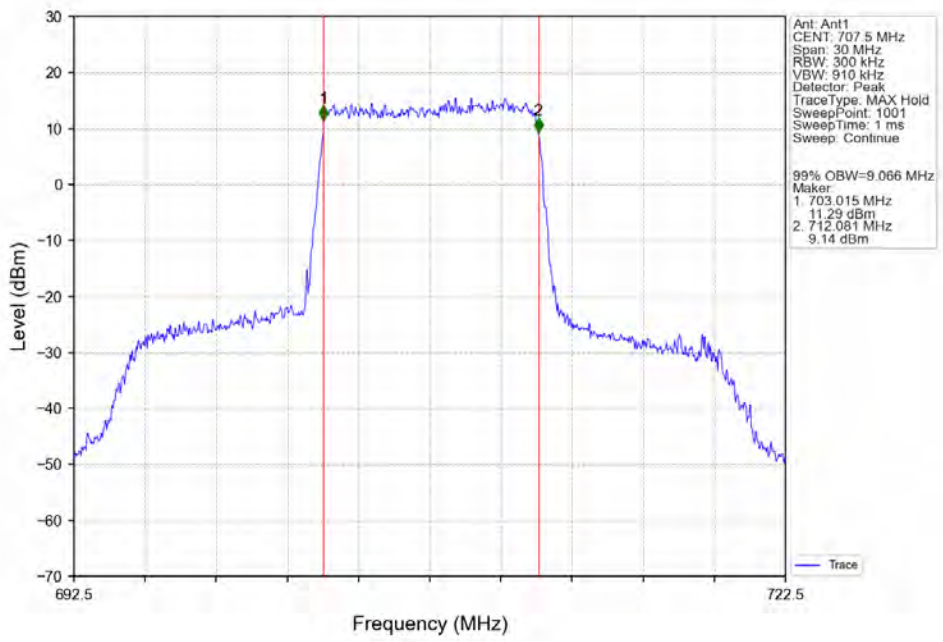
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



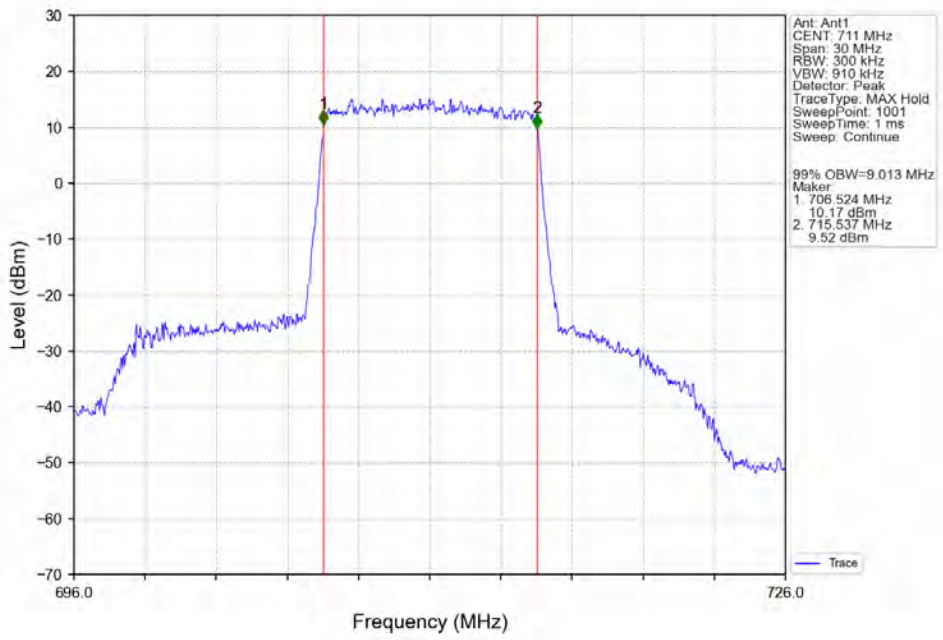
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



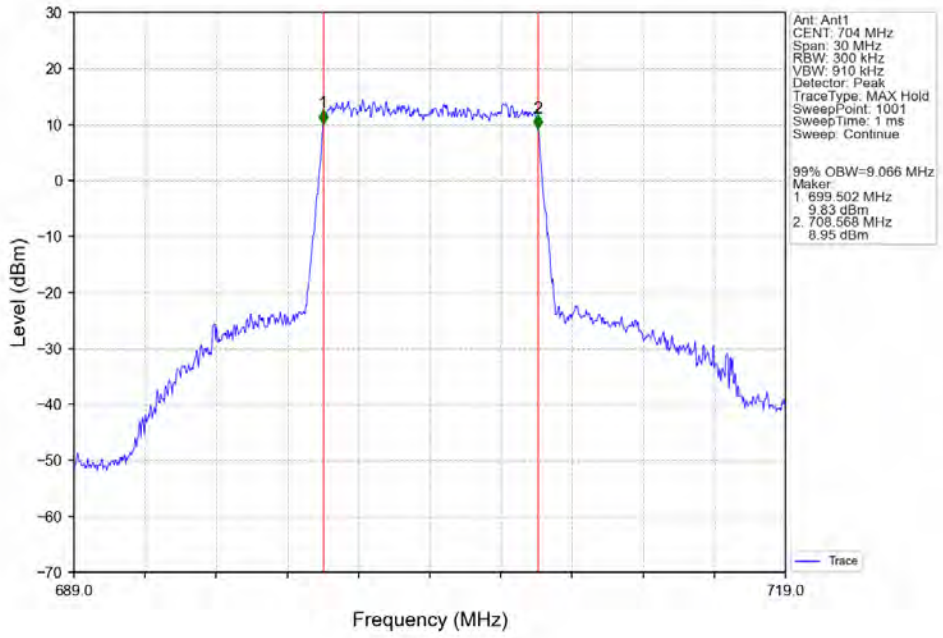
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



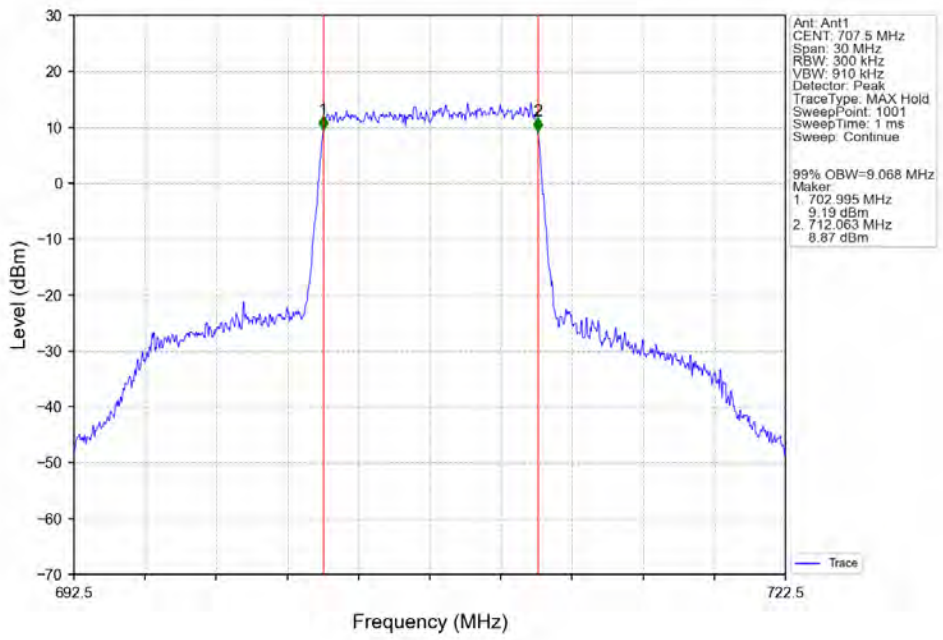
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



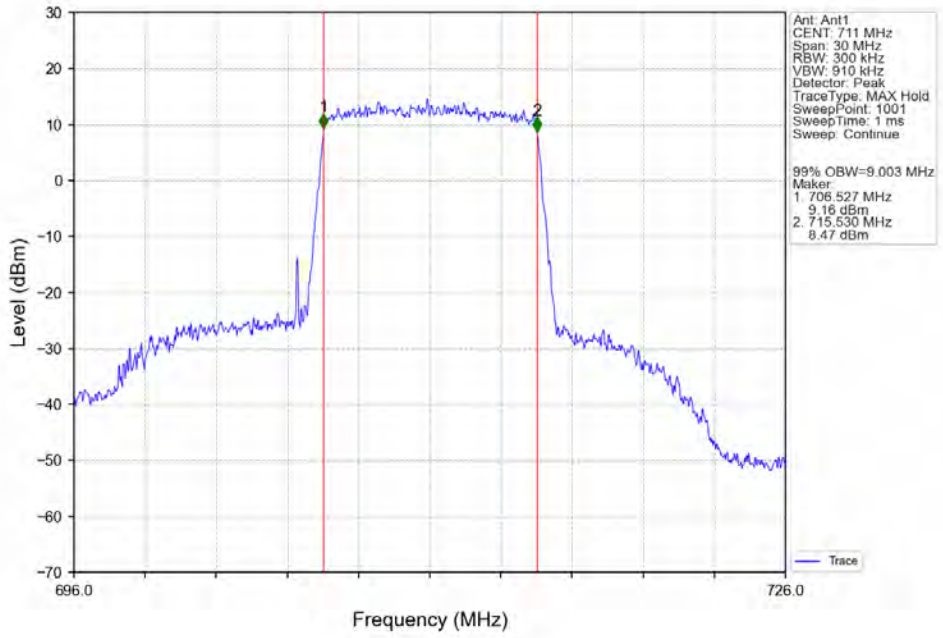
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

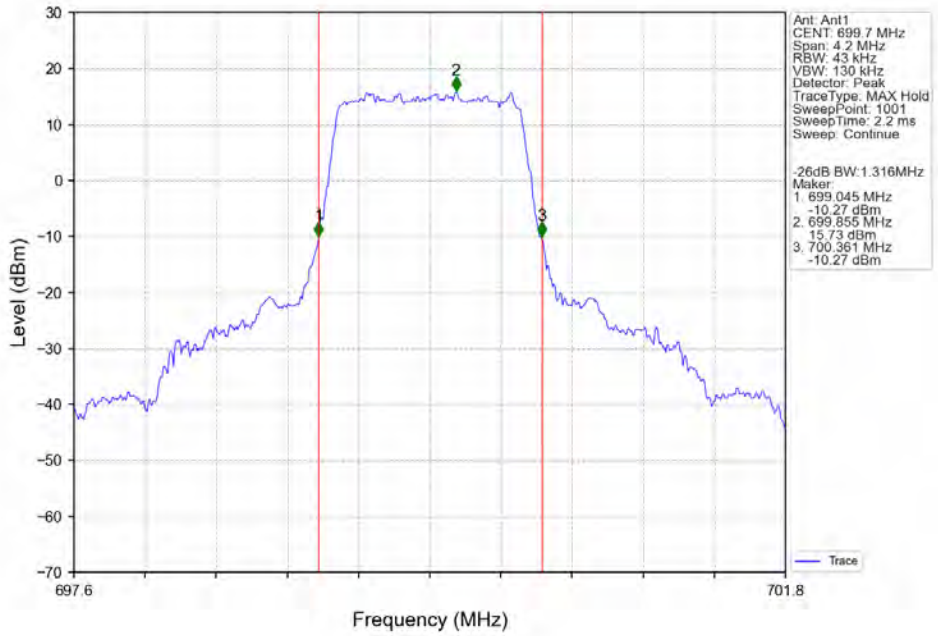


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

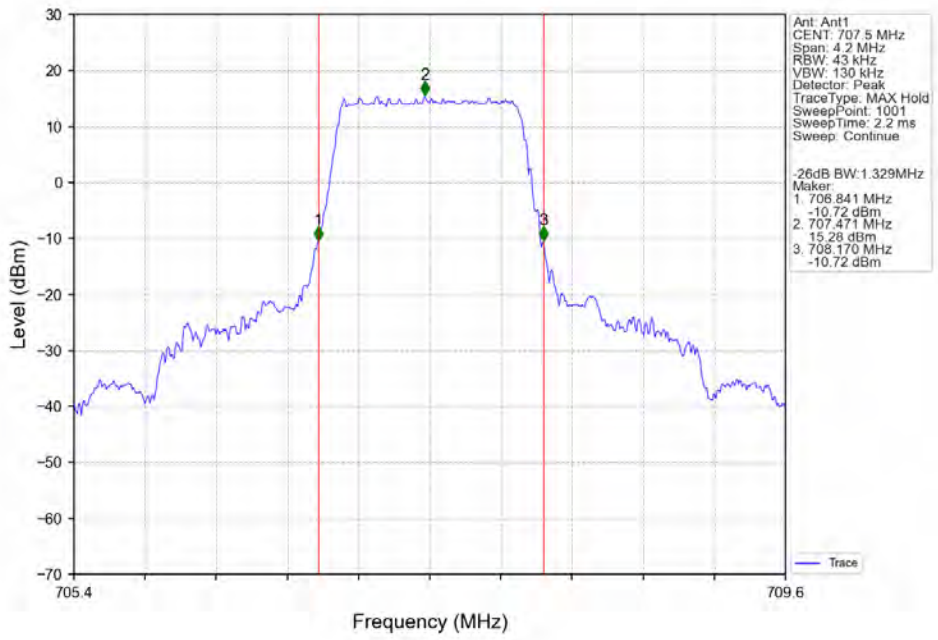


4.2.2 Band12_XDB

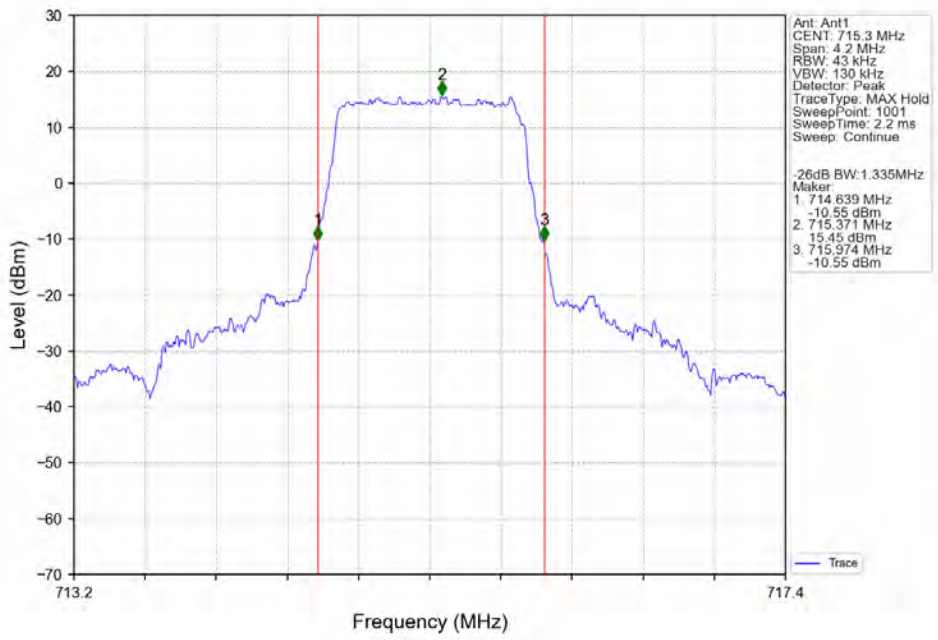
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



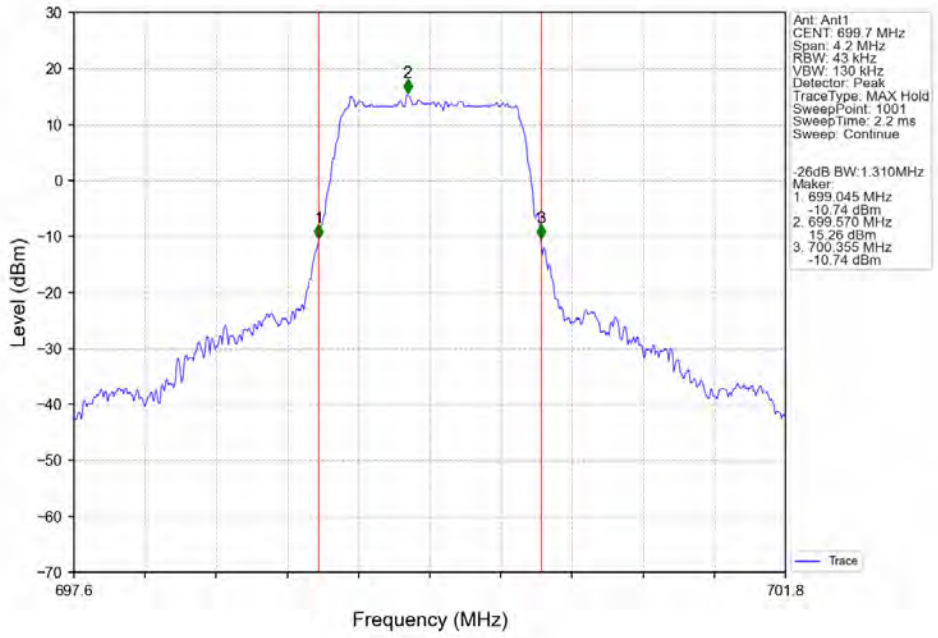
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



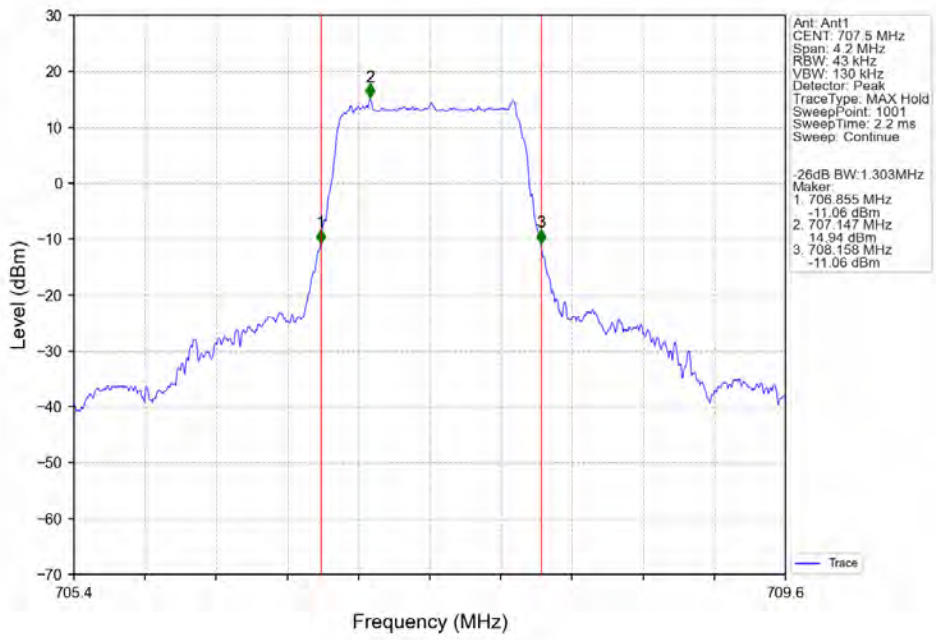
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



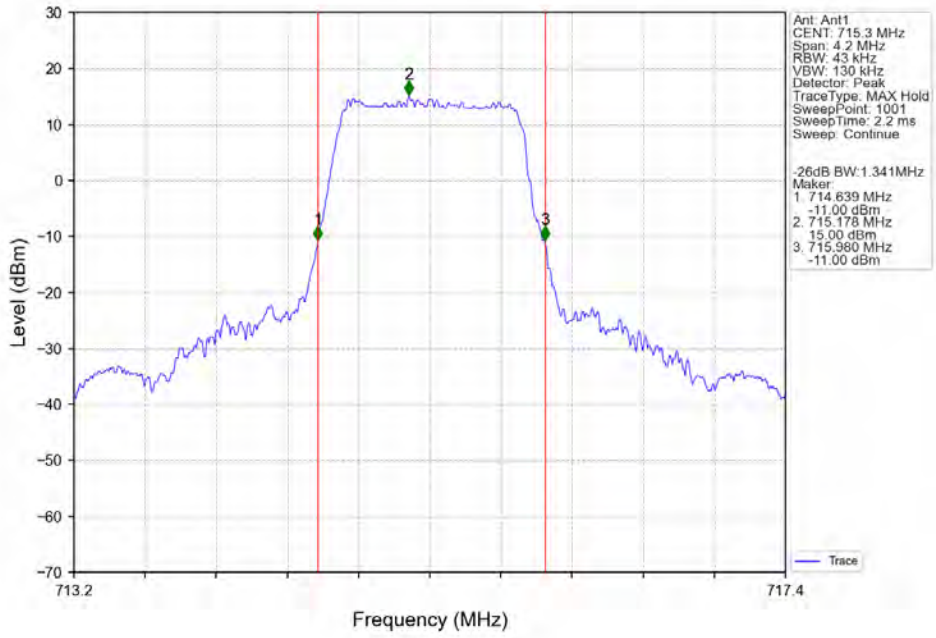
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



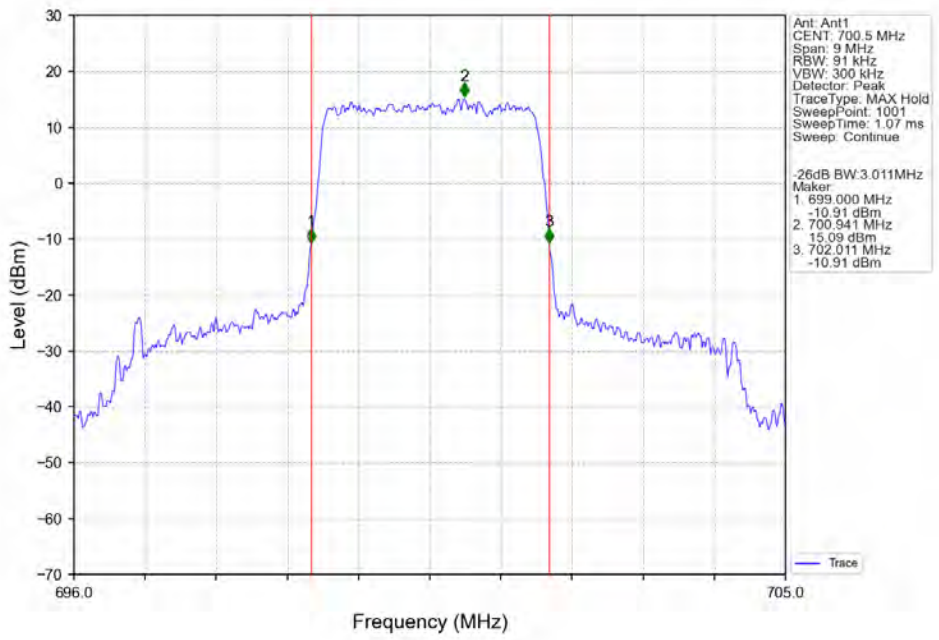
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



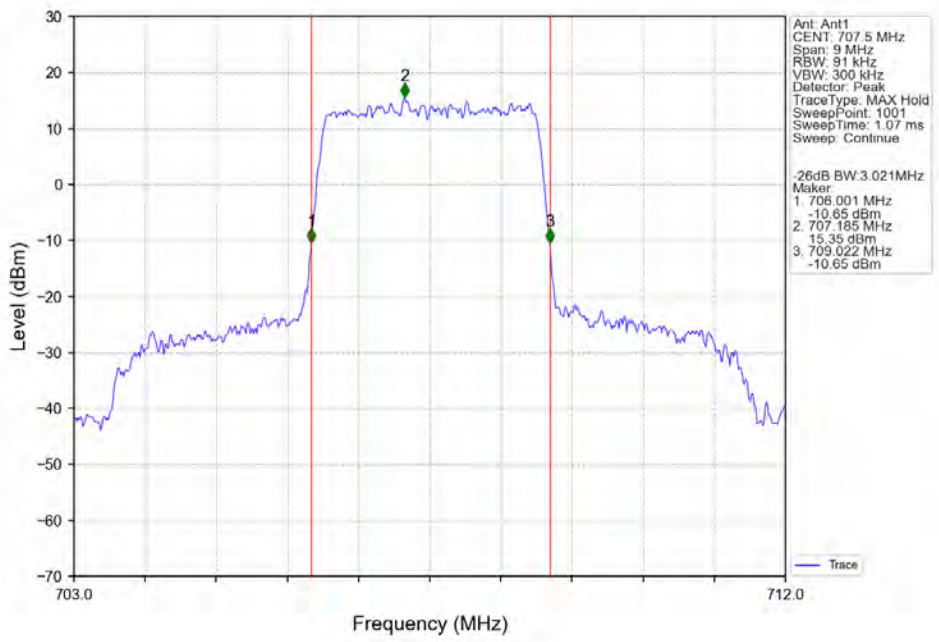
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



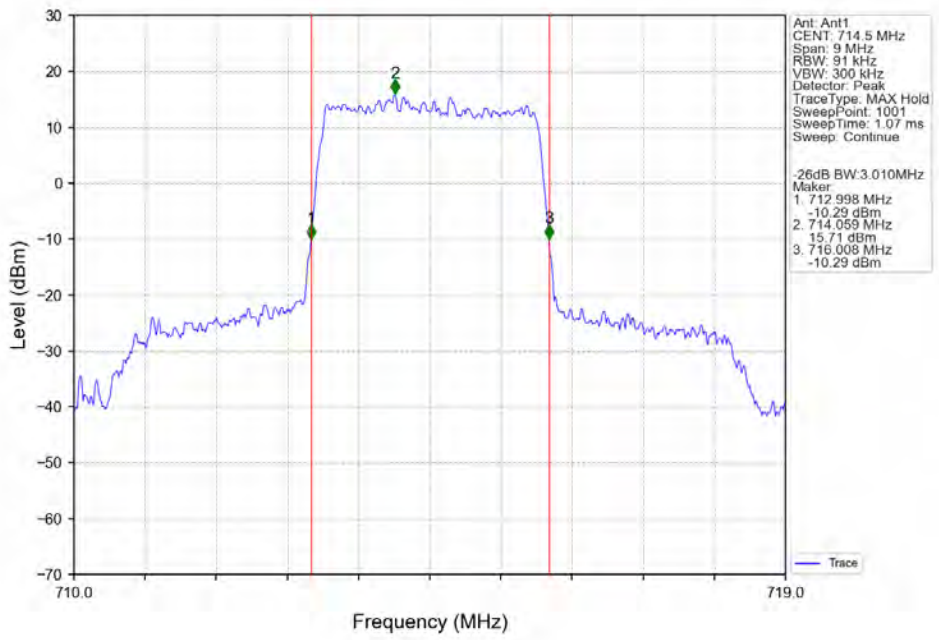
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



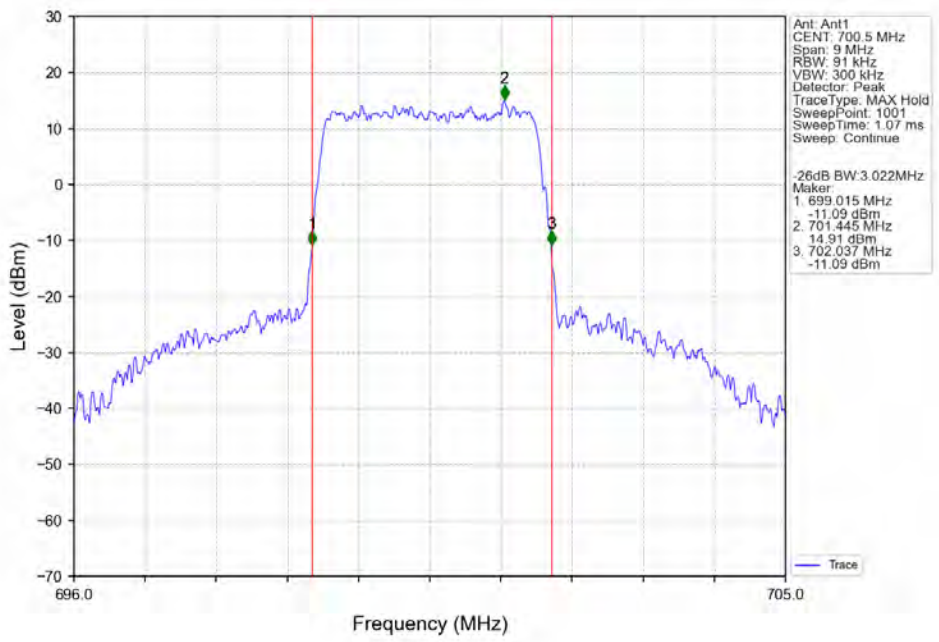
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



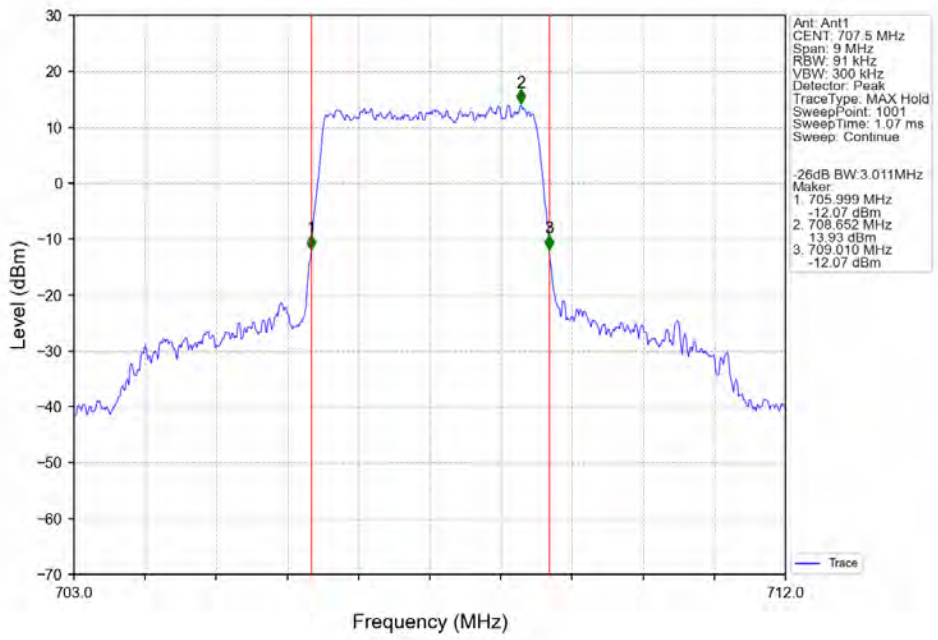
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



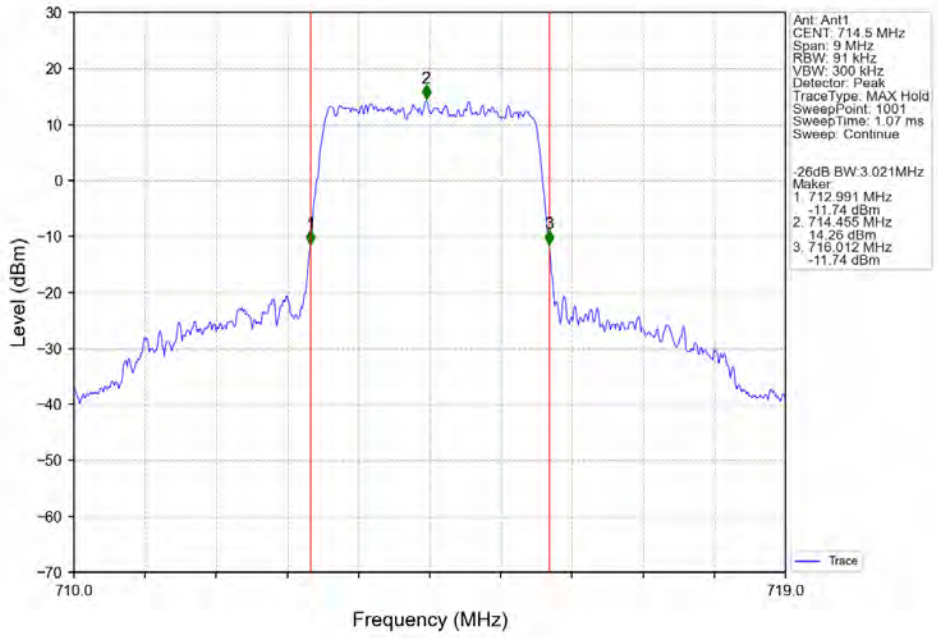
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



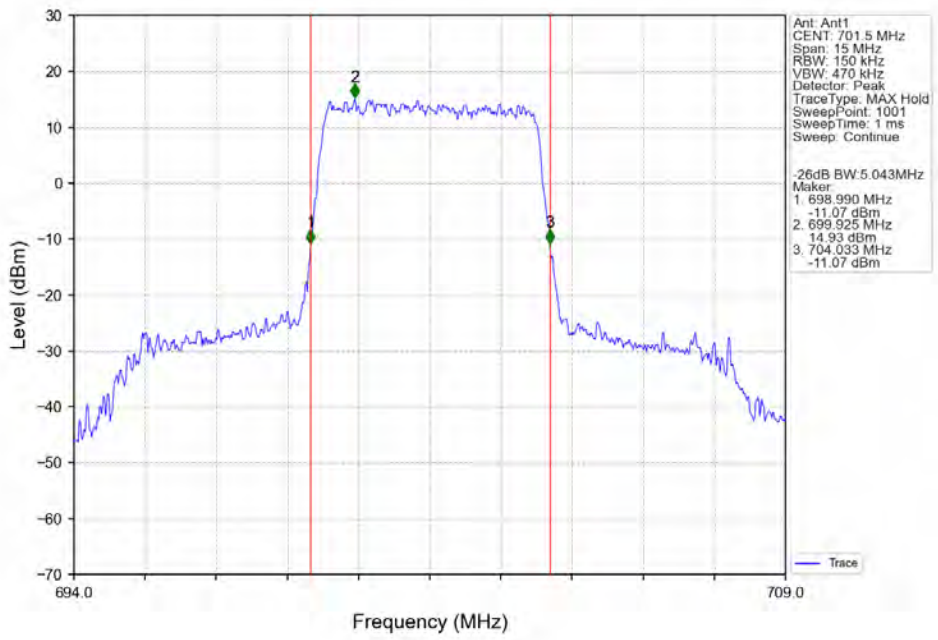
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



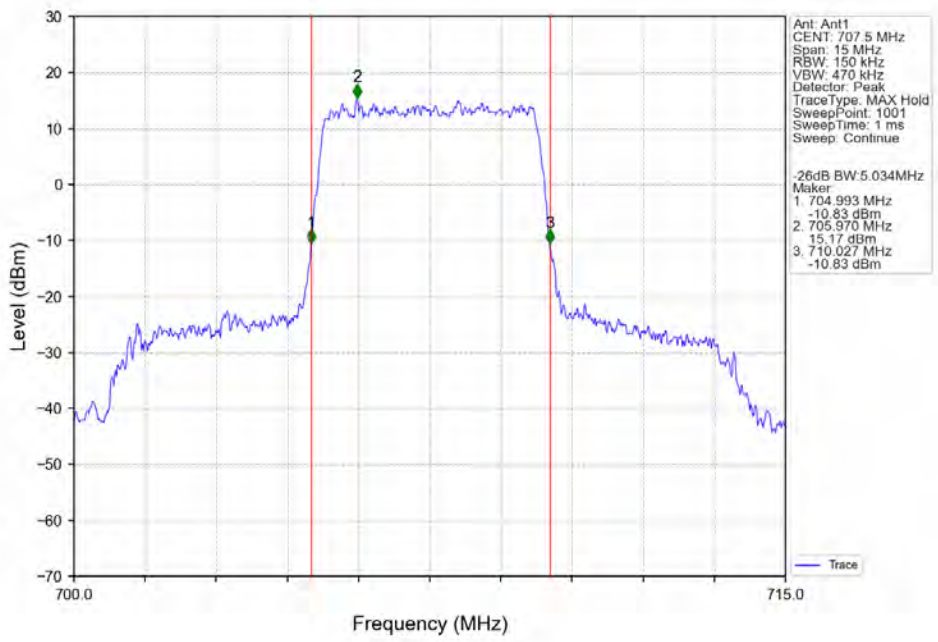
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



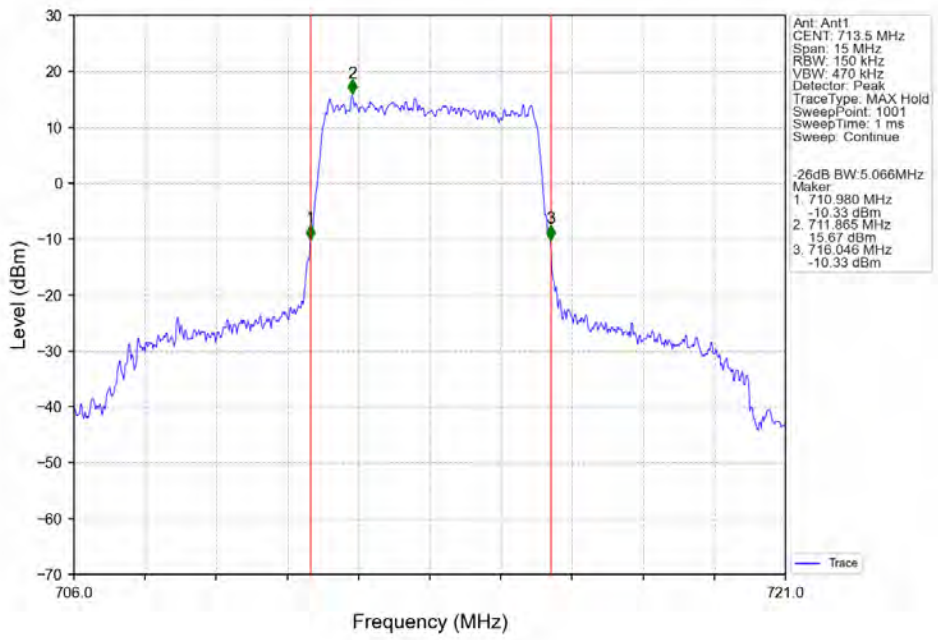
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



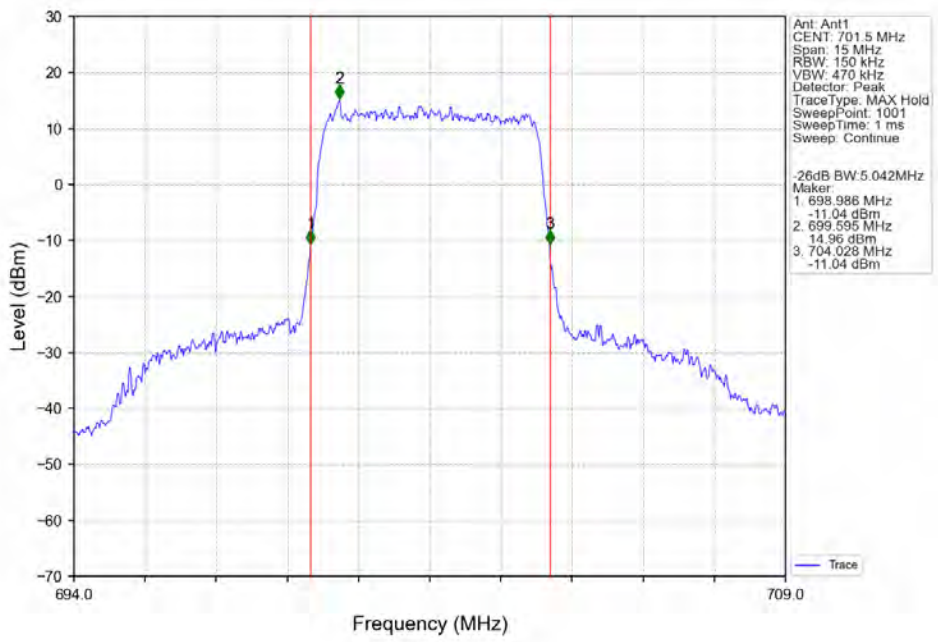
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



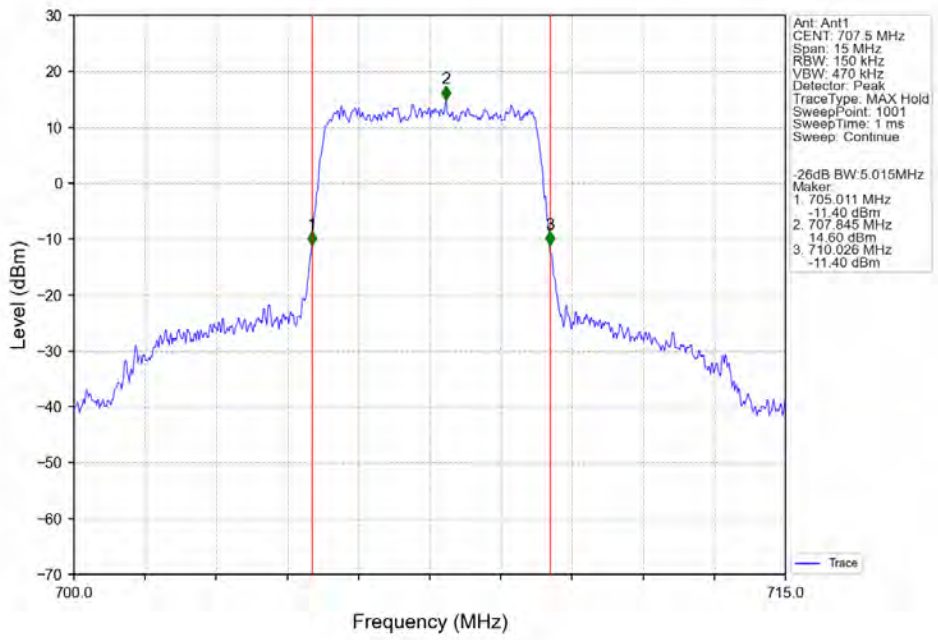
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



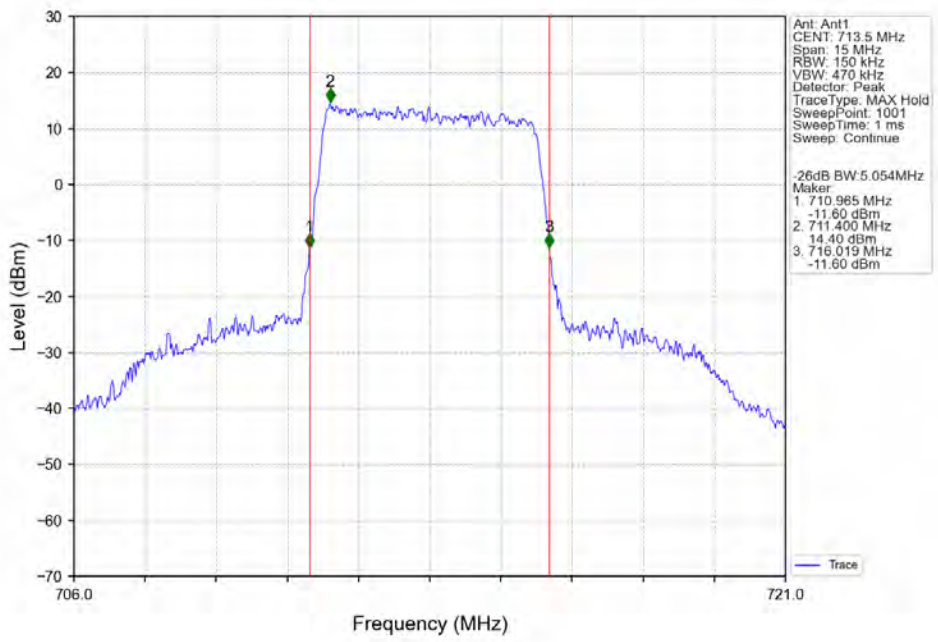
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



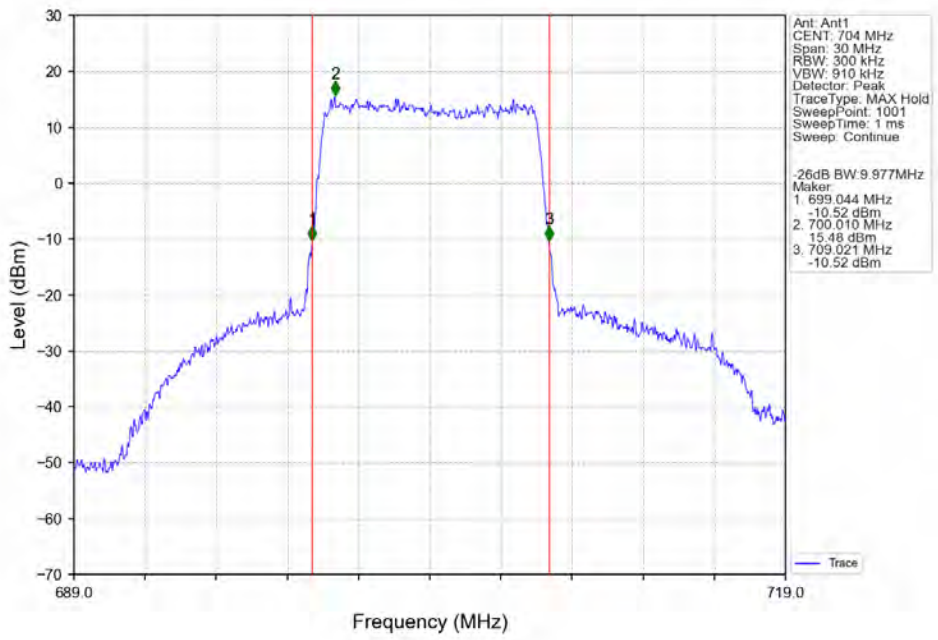
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



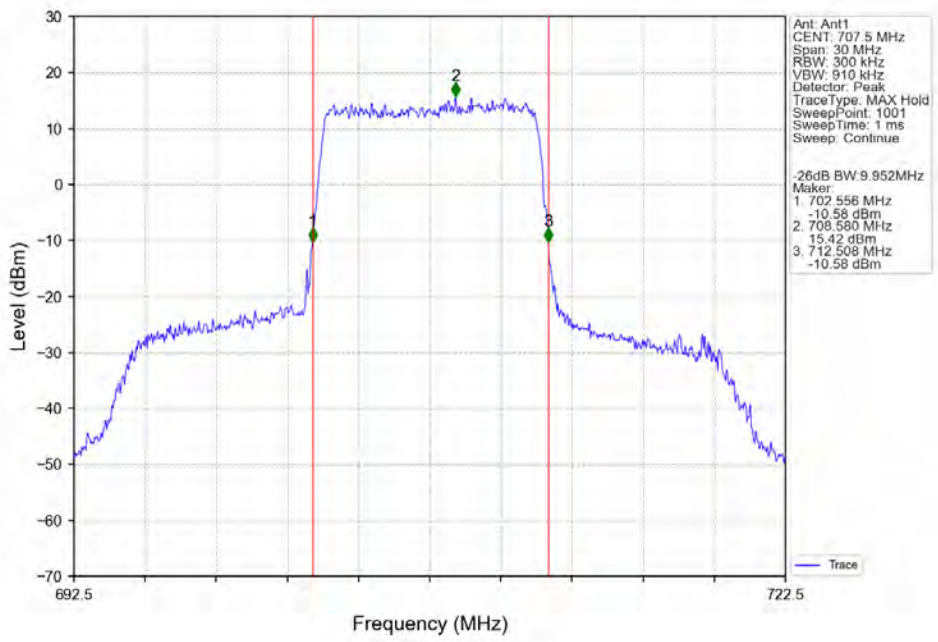
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



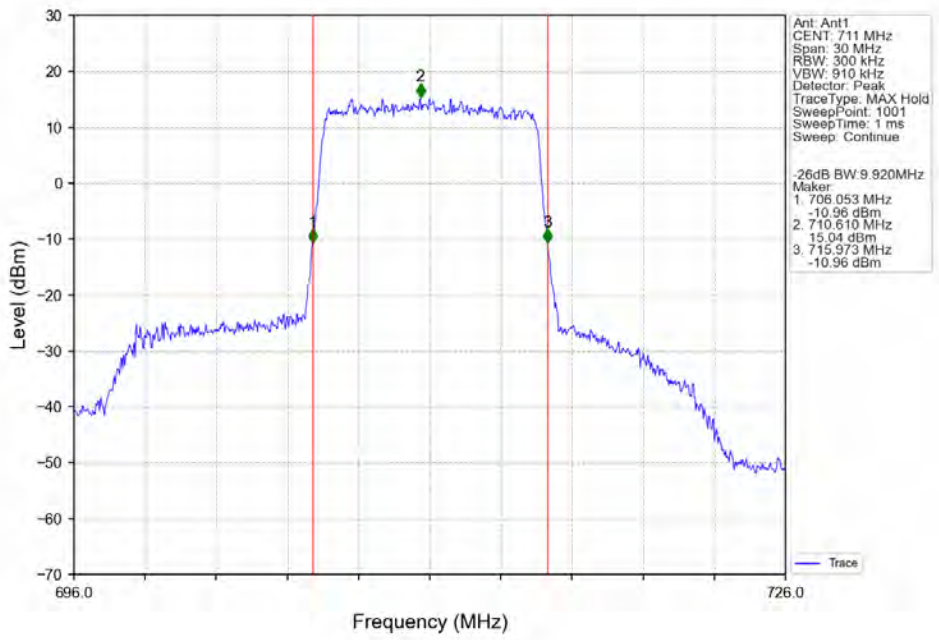
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



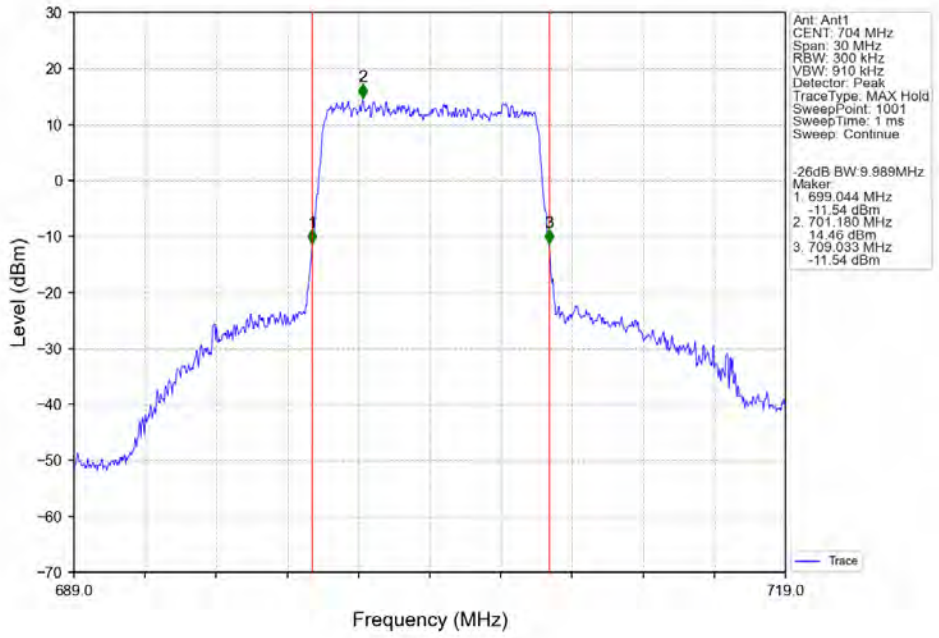
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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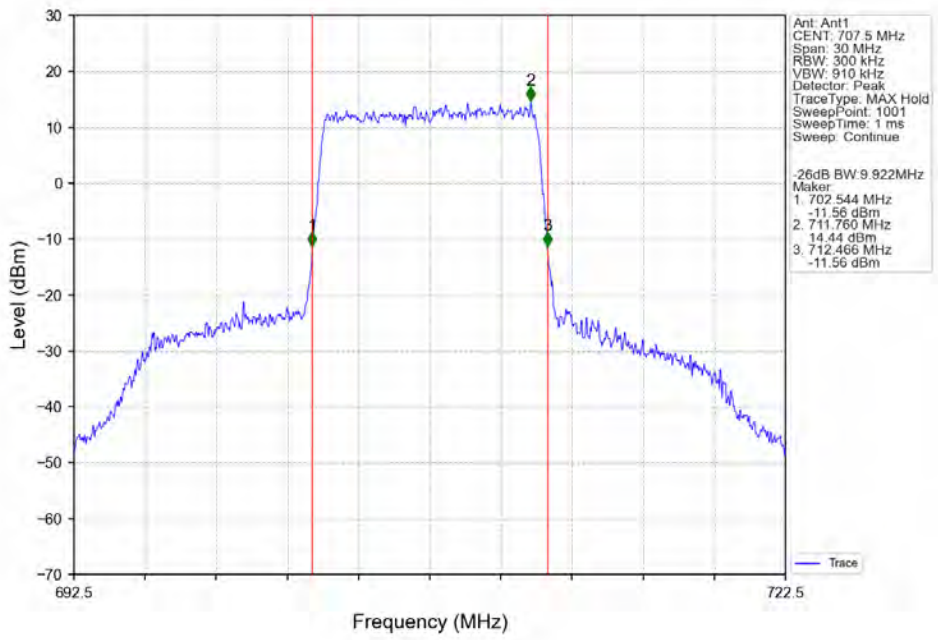
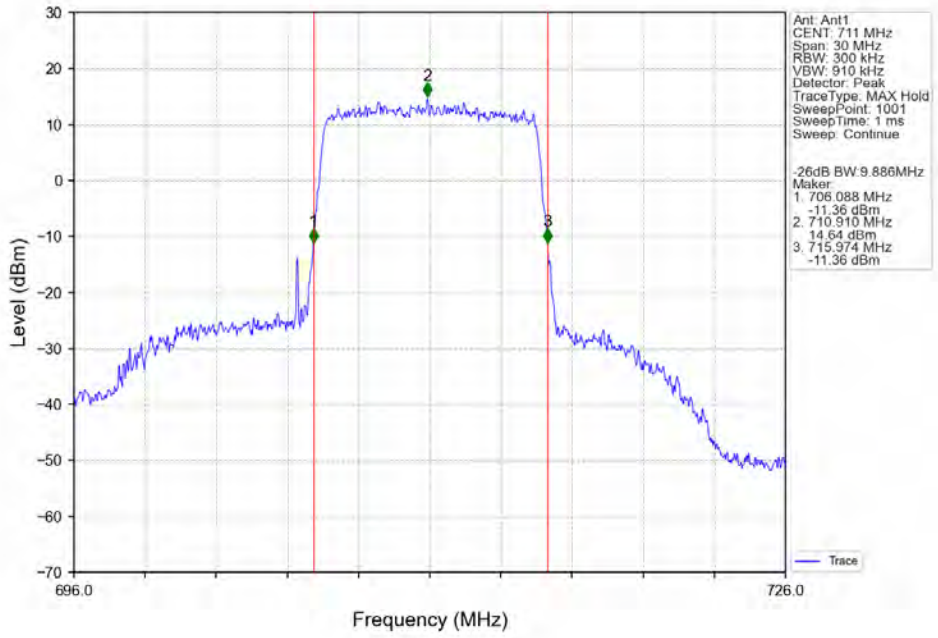


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.25	<=13	Pass
	707.5	6	0	5.21	<=13	Pass
	715.3	6	0	5.23	<=13	Pass
16QAM	699.7	6	0	6.14	<=13	Pass
	707.5	6	0	6.03	<=13	Pass
	715.3	6	0	5.95	<=13	Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.30	<=13	Pass
	707.5	15	0	5.30	<=13	Pass
	714.5	15	0	5.20	<=13	Pass
16QAM	700.5	15	0	6.19	<=13	Pass
	707.5	15	0	6.07	<=13	Pass
	714.5	15	0	6.00	<=13	Pass

5.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.48	<=13	Pass
	707.5	25	0	5.47	<=13	Pass
	713.5	25	0	5.46	<=13	Pass
16QAM	701.5	25	0	6.21	<=13	Pass
	707.5	25	0	6.12	<=13	Pass
	713.5	25	0	6.10	<=13	Pass

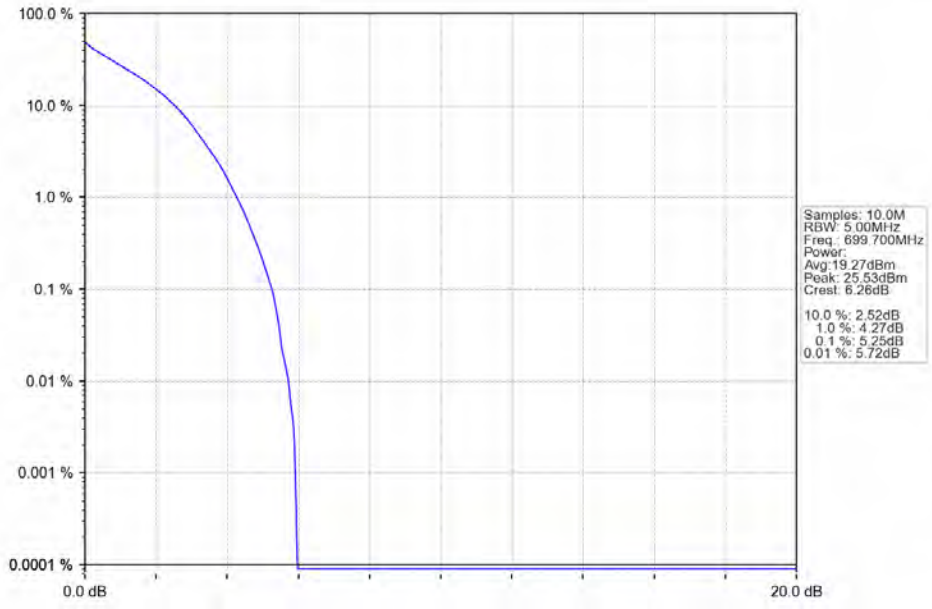
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.53	<=13	Pass
	707.5	50	0	5.50	<=13	Pass
	711	50	0	5.25	<=13	Pass
16QAM	704	50	0	6.25	<=13	Pass
	707.5	50	0	6.17	<=13	Pass
	711	50	0	6.08	<=13	Pass

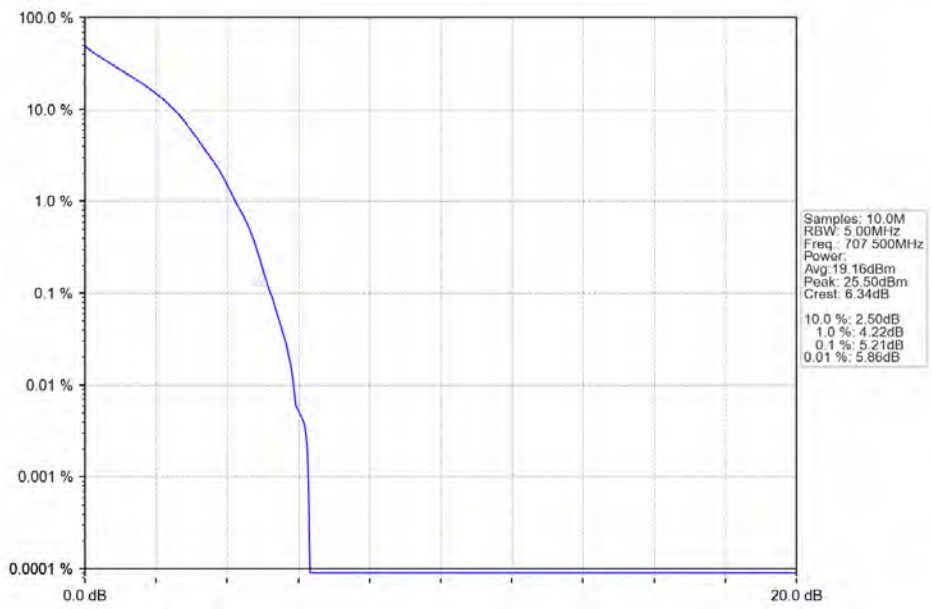
5.2 Test Graph

5.2.1 B12_1.4MHz

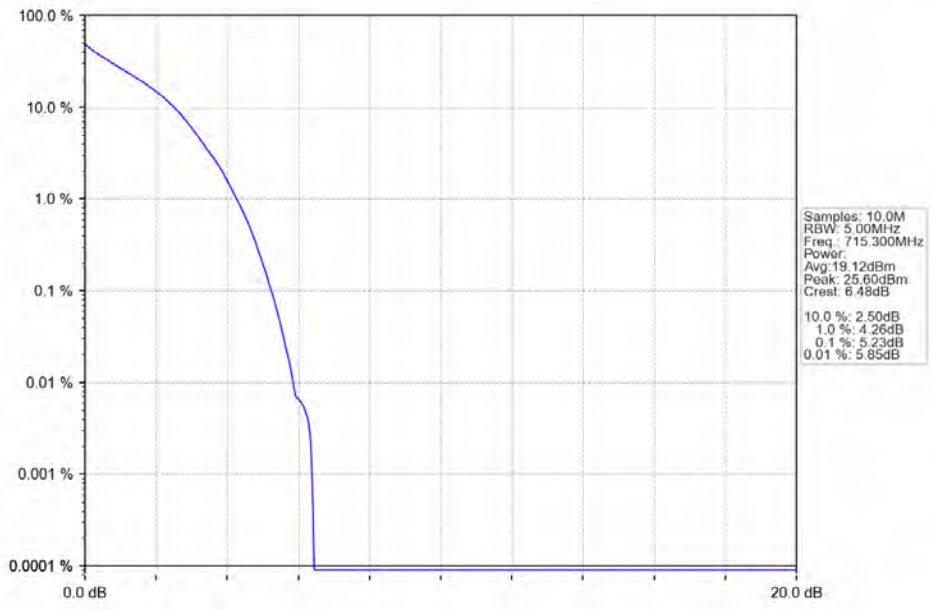
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



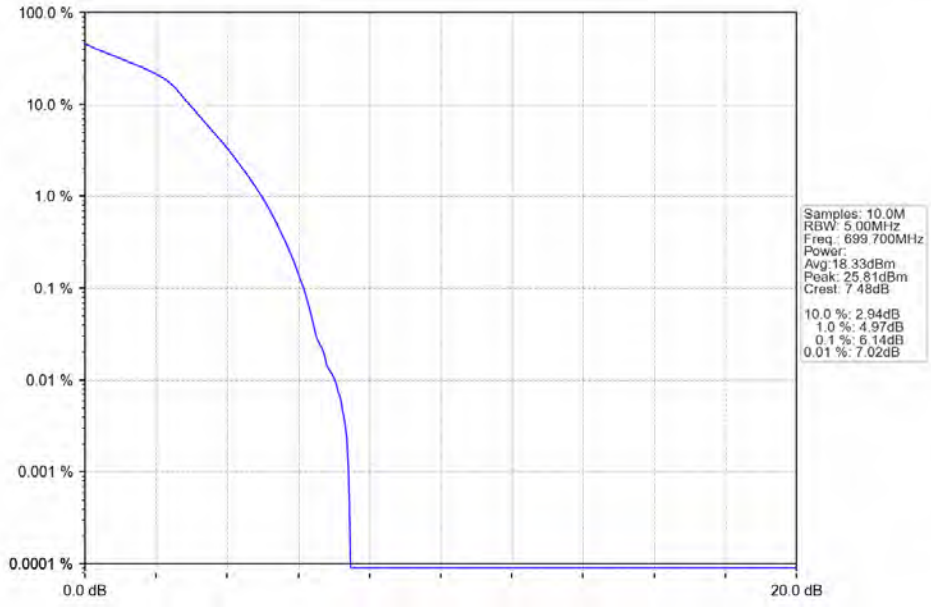
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



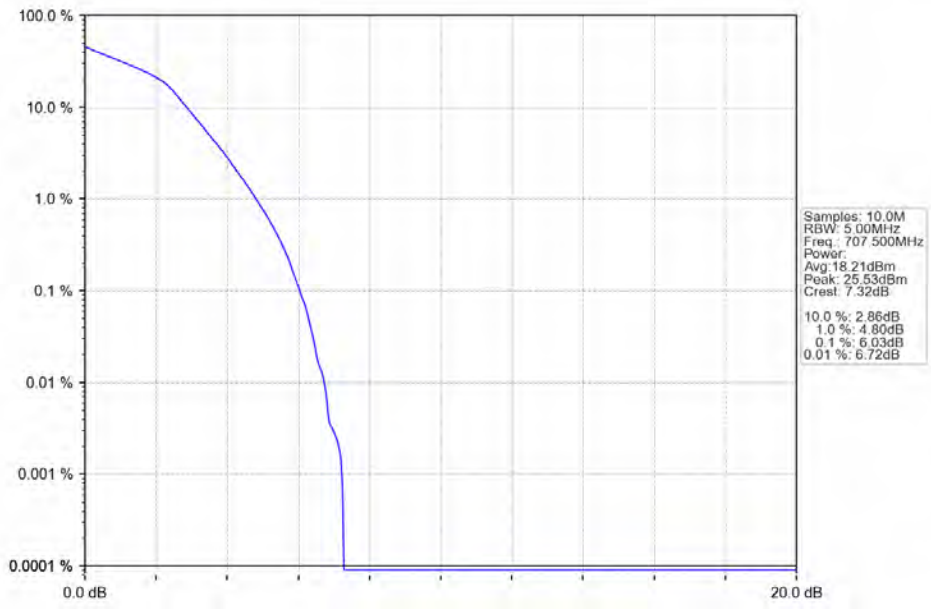
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



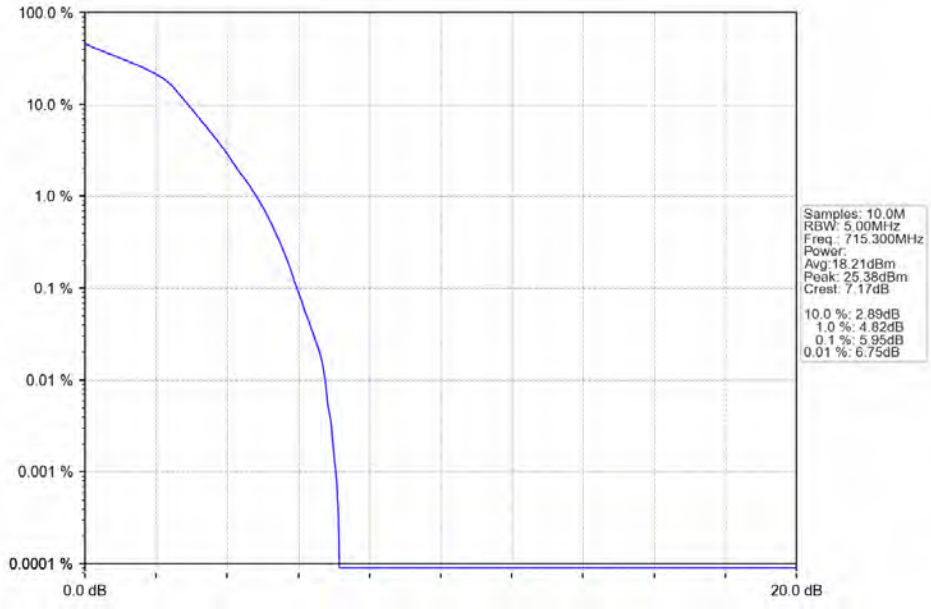
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

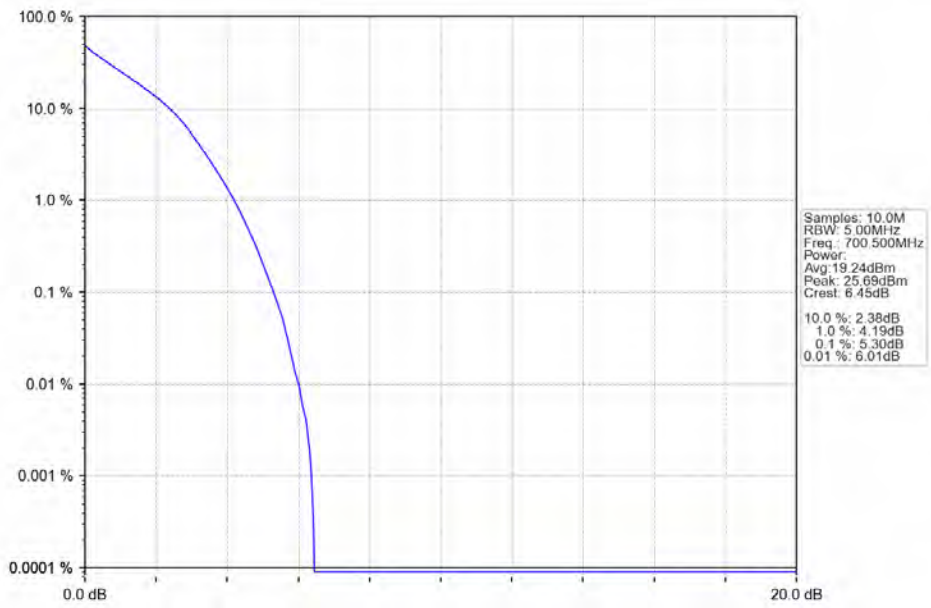


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

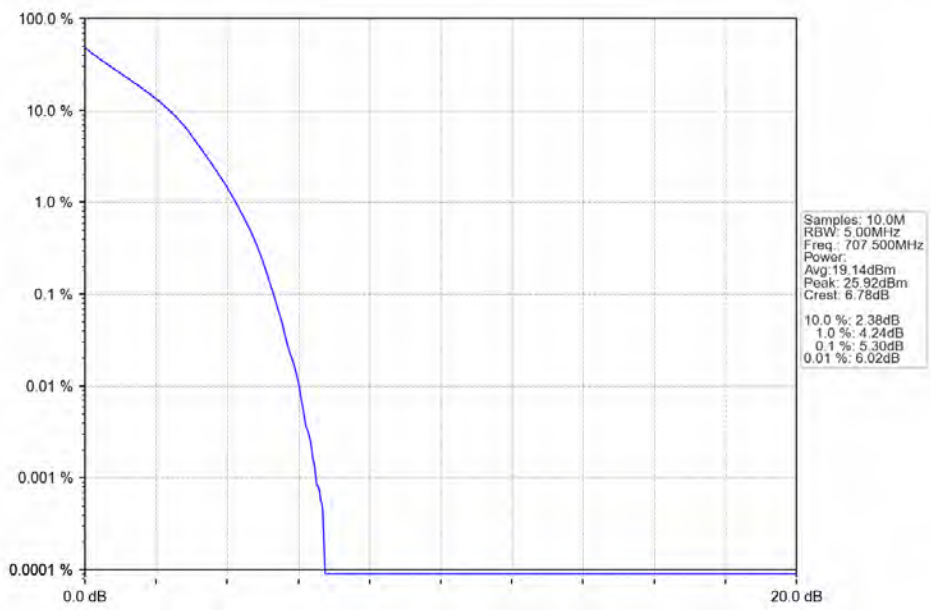


5.2.2 B12_3MHz

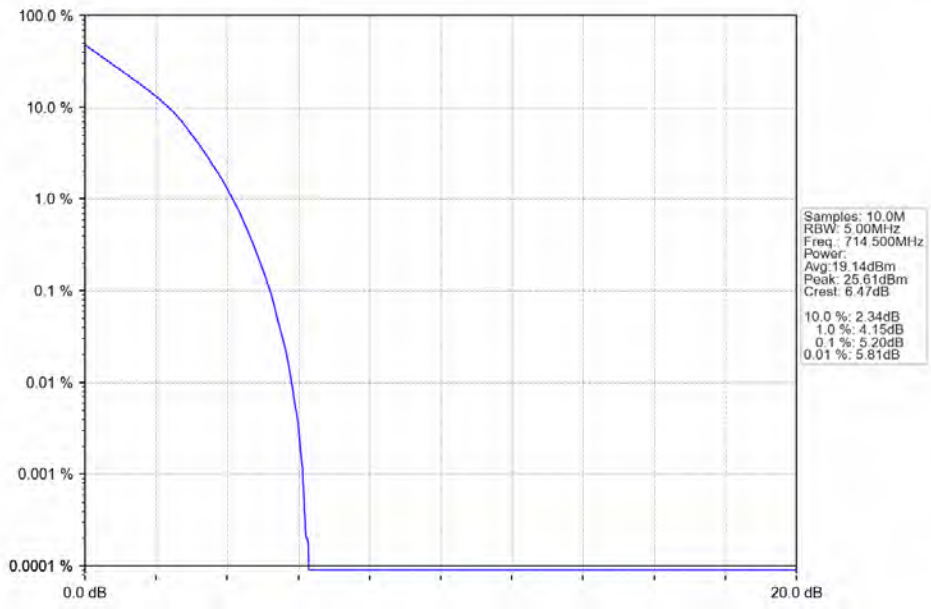
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



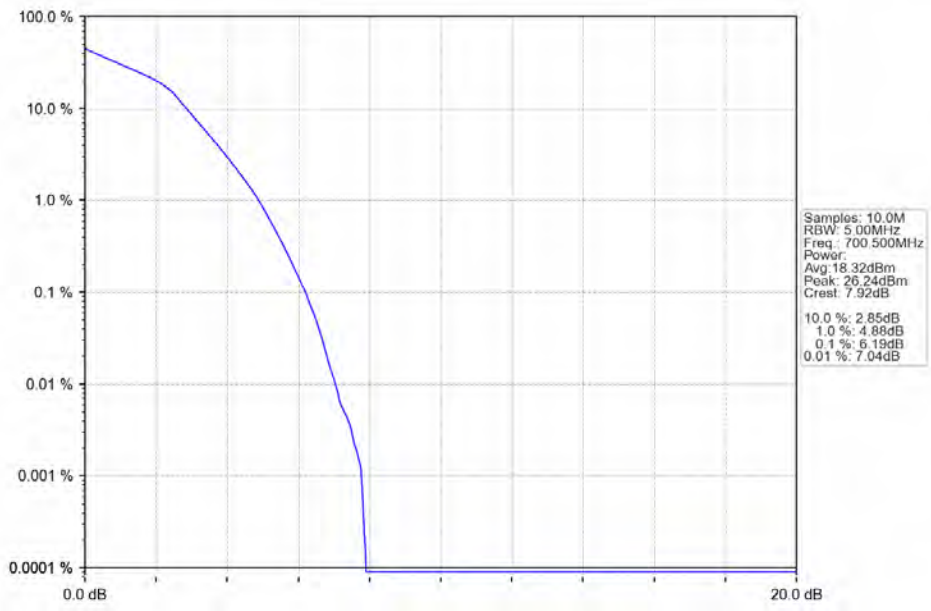
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



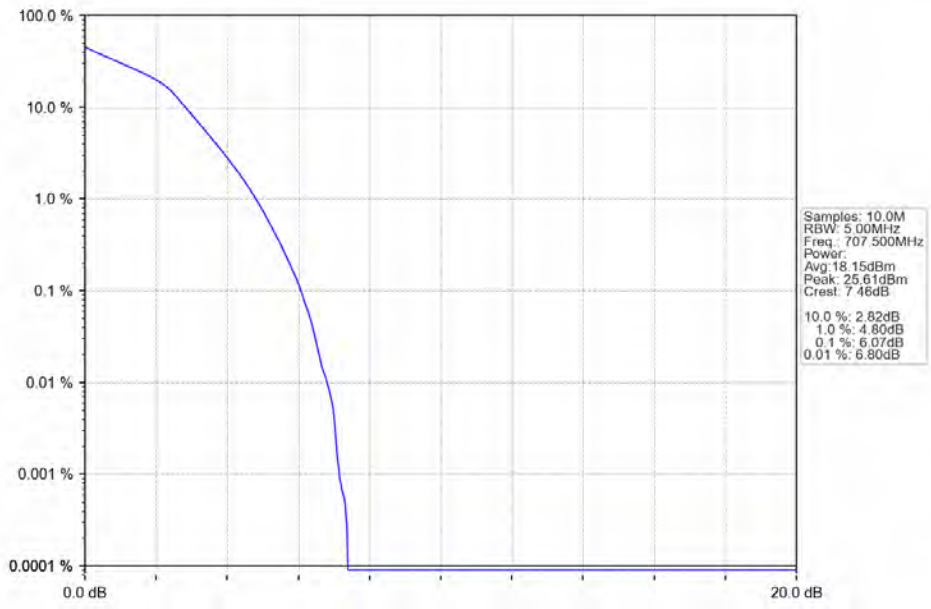
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



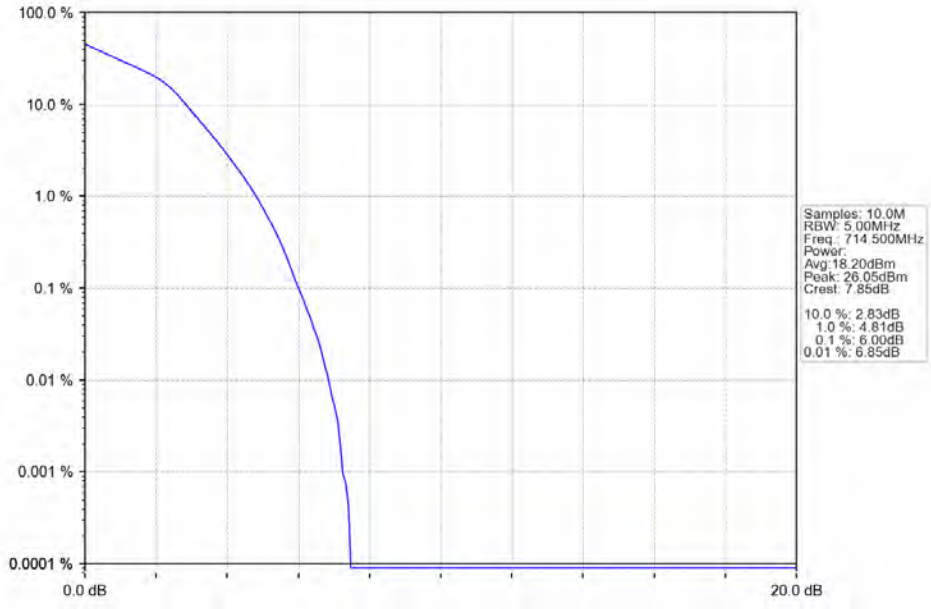
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

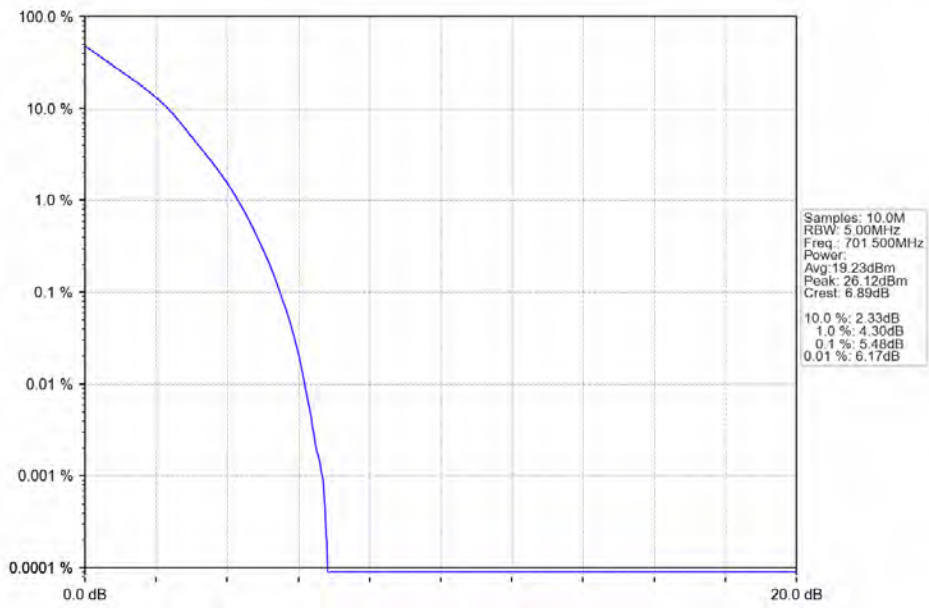


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

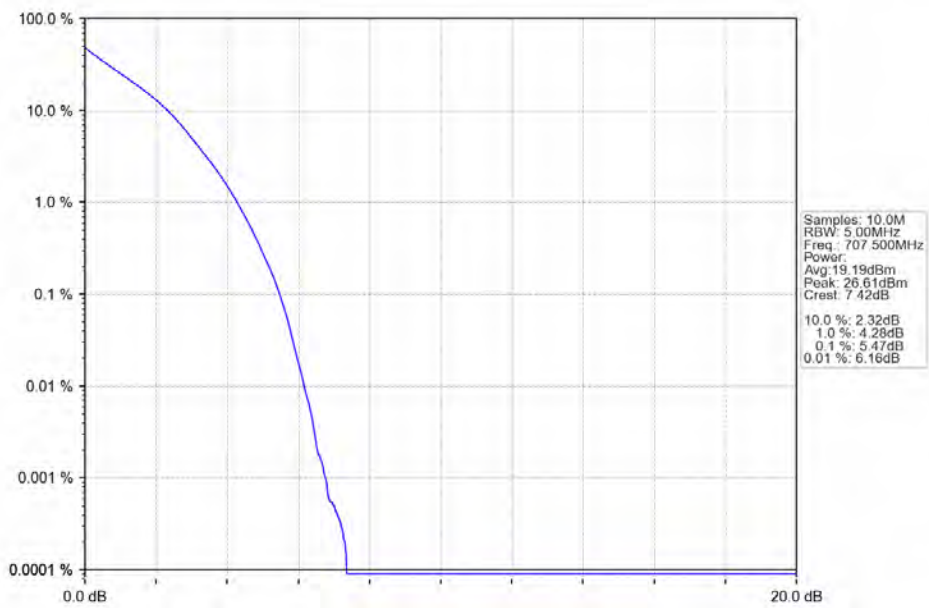


5.2.3 B12_5MHz

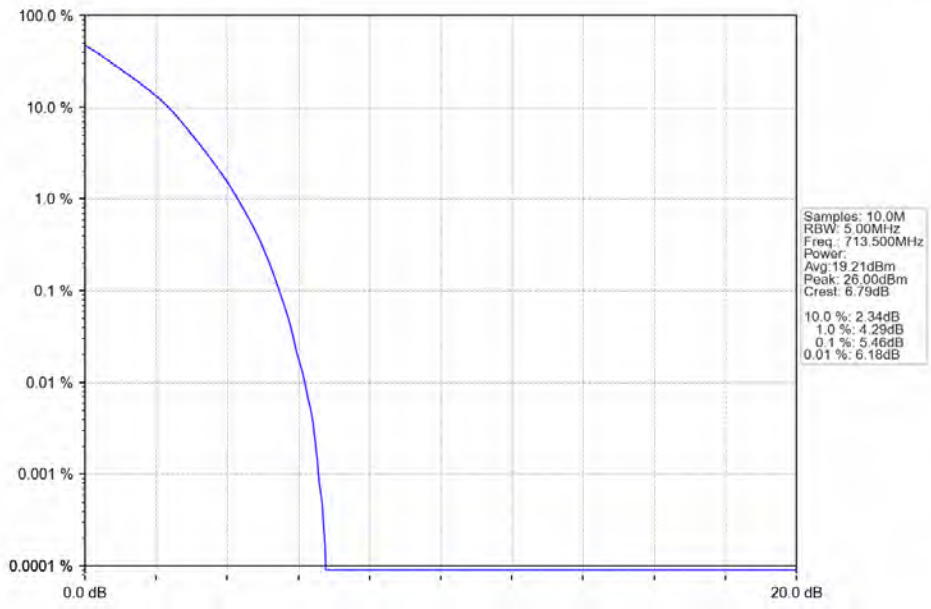
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



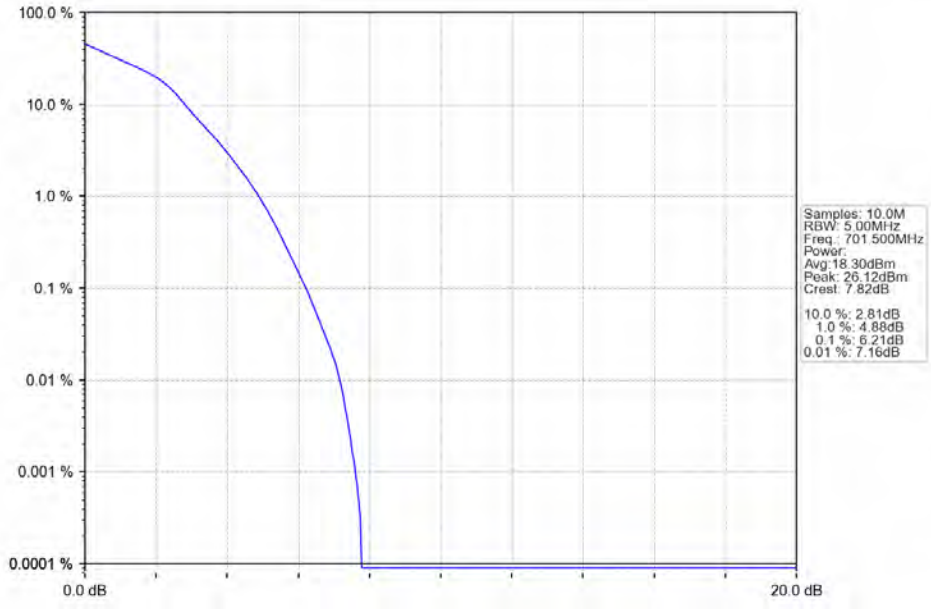
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



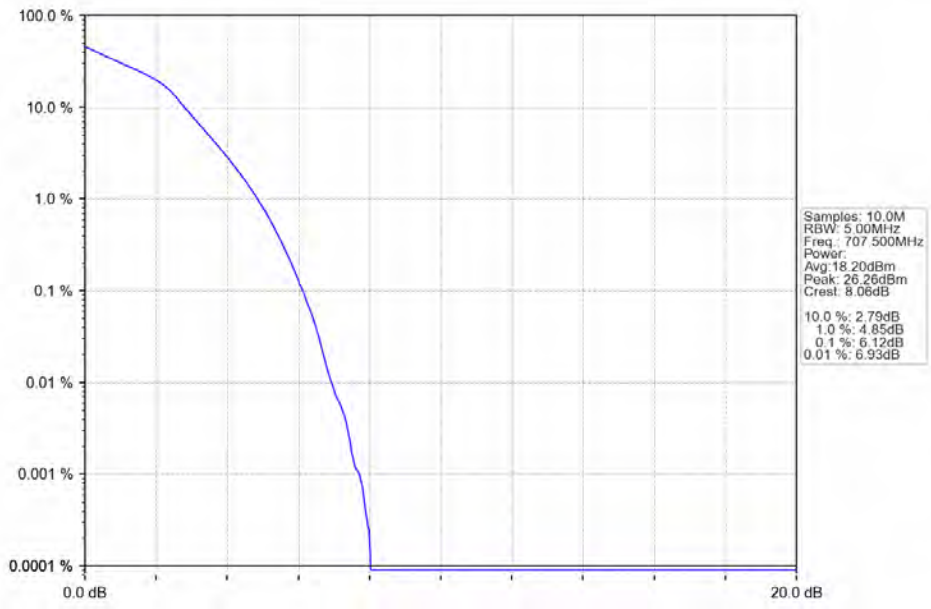
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



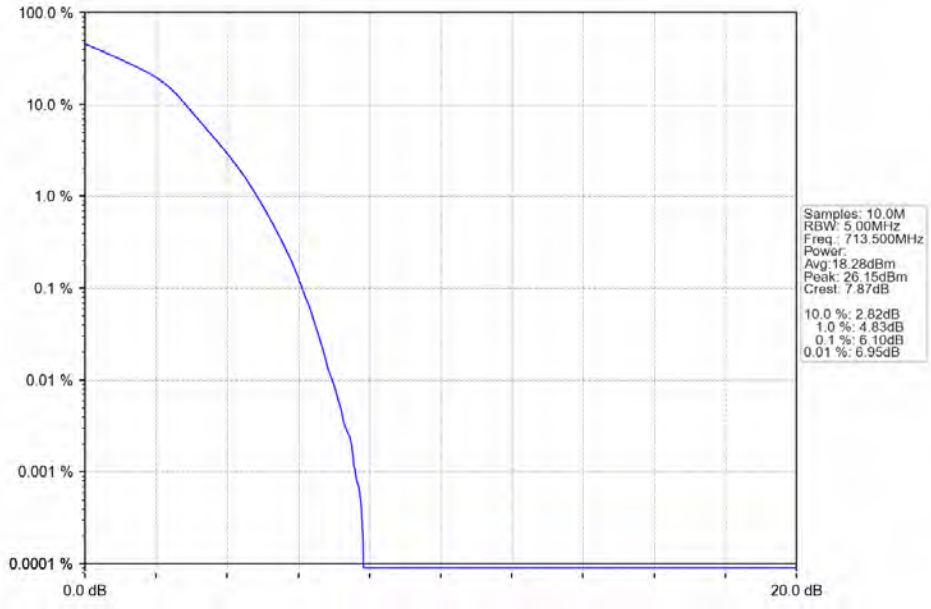
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

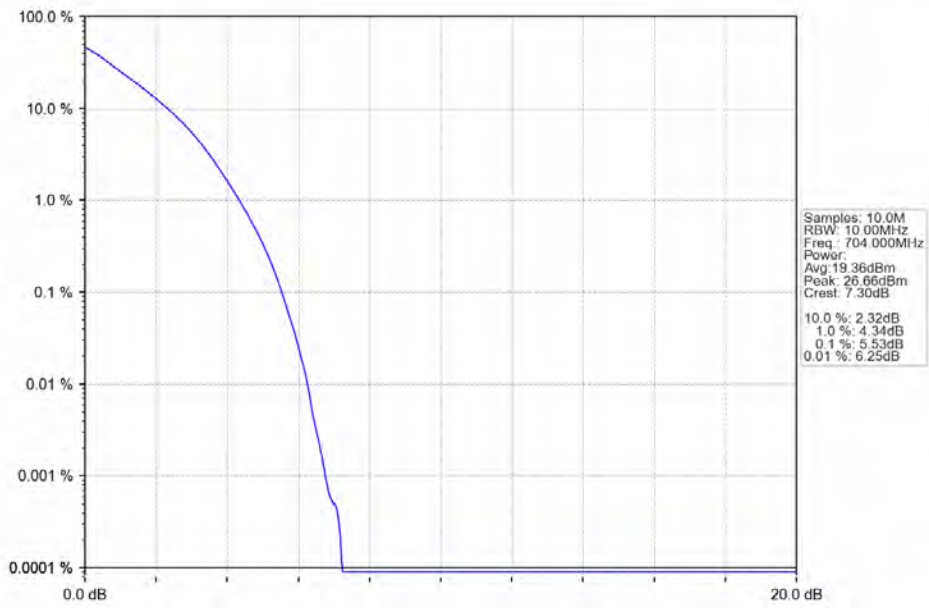


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

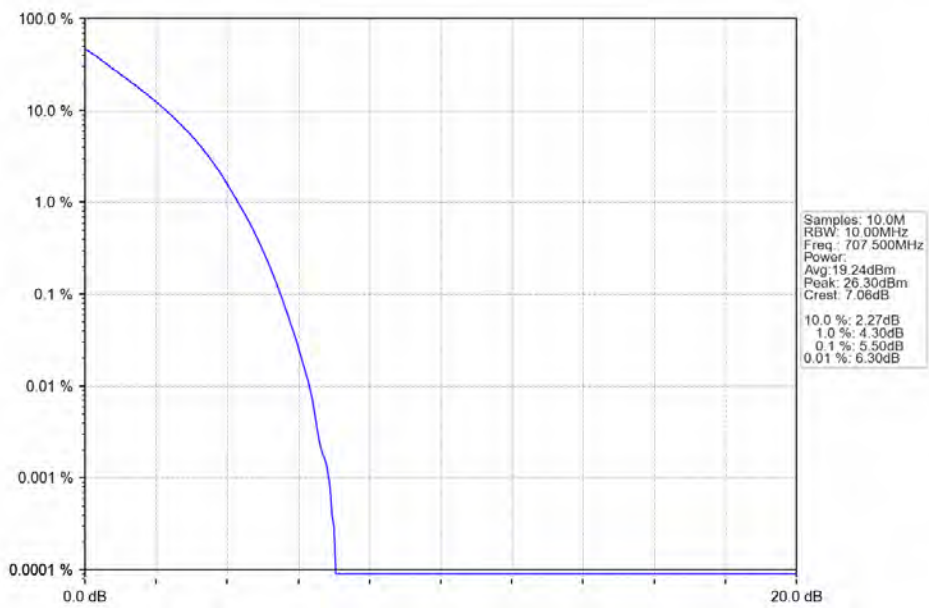


5.2.4 B12_10MHz

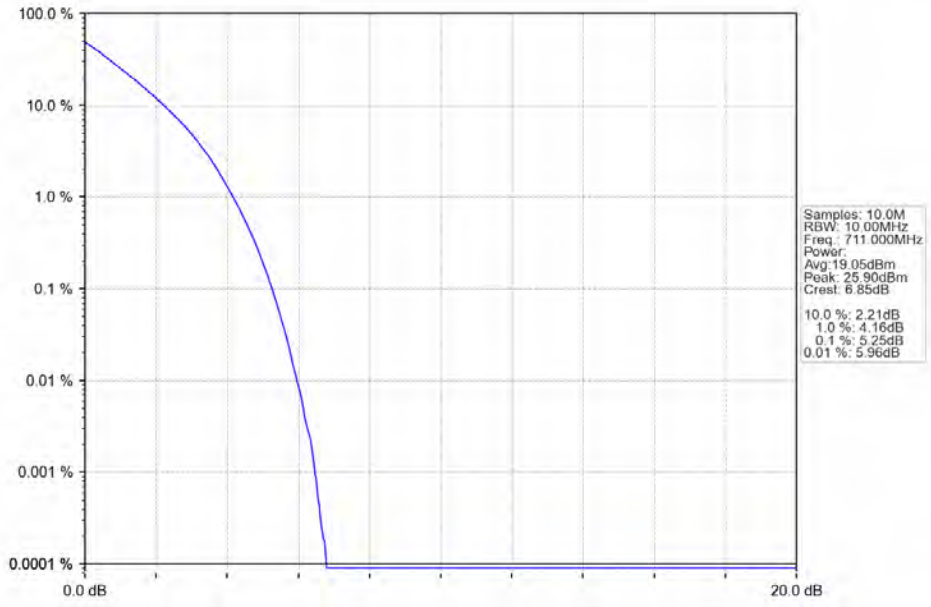
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



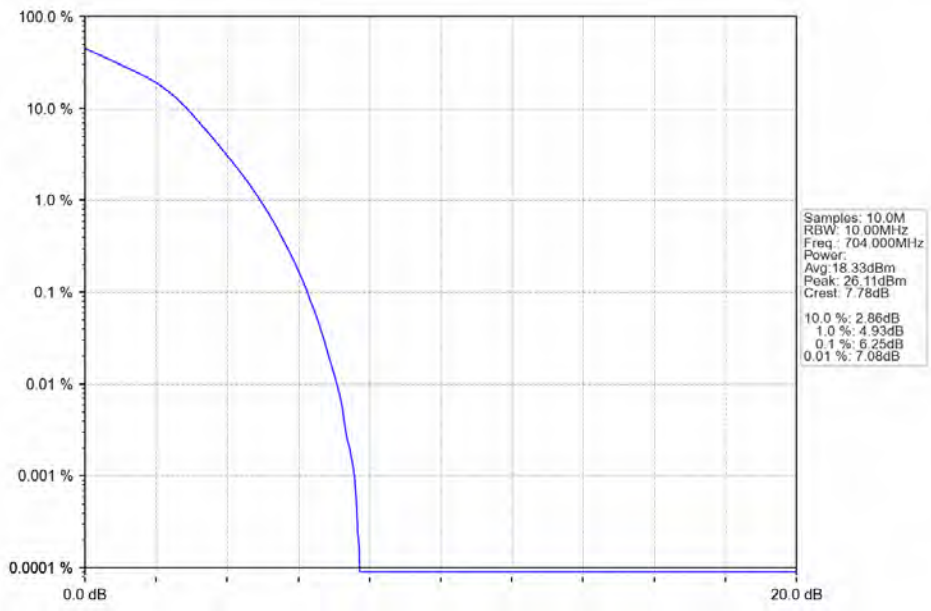
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



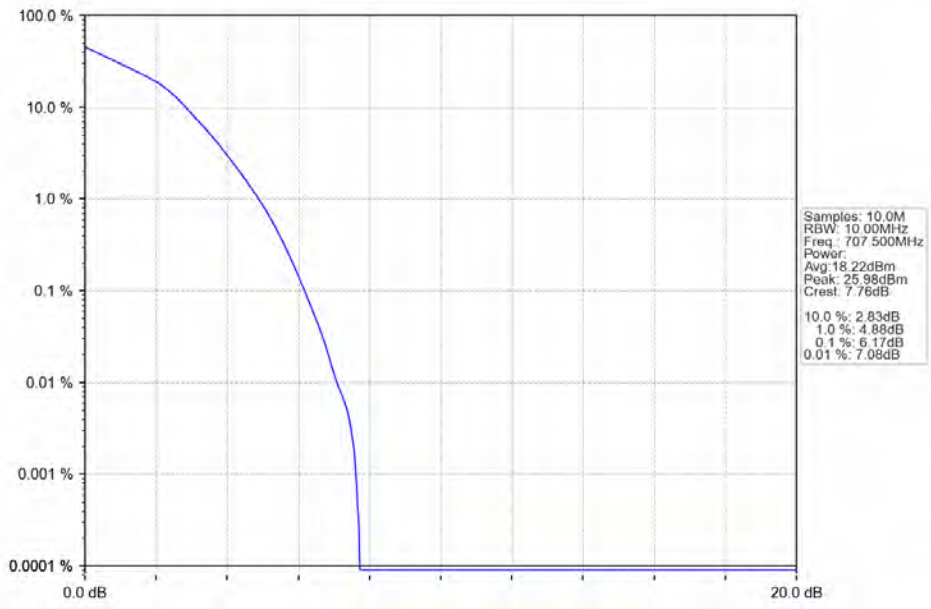
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



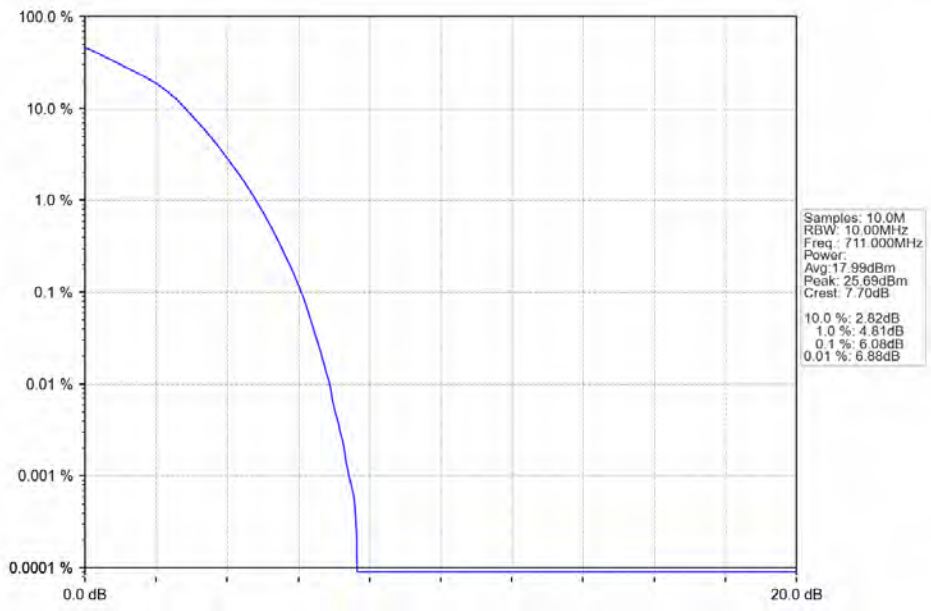
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

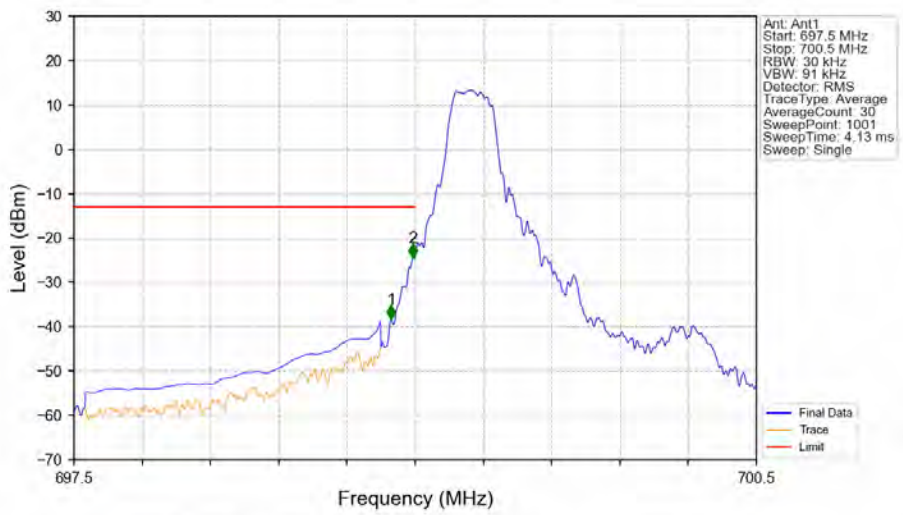
6.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2 Test Graph

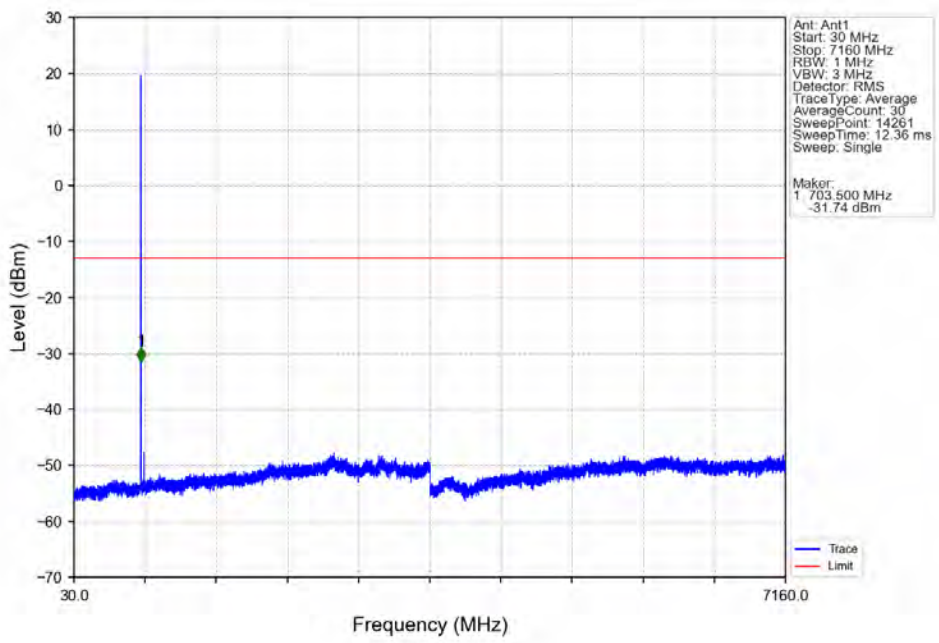
6.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

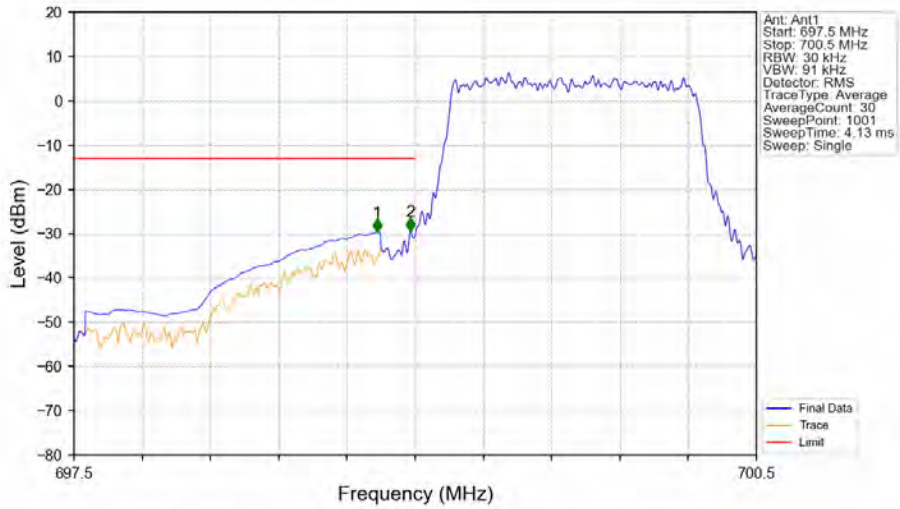


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.895	-38.30	-13	Pass
698.9	699	0.03	/	2	698.991	-24.44	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

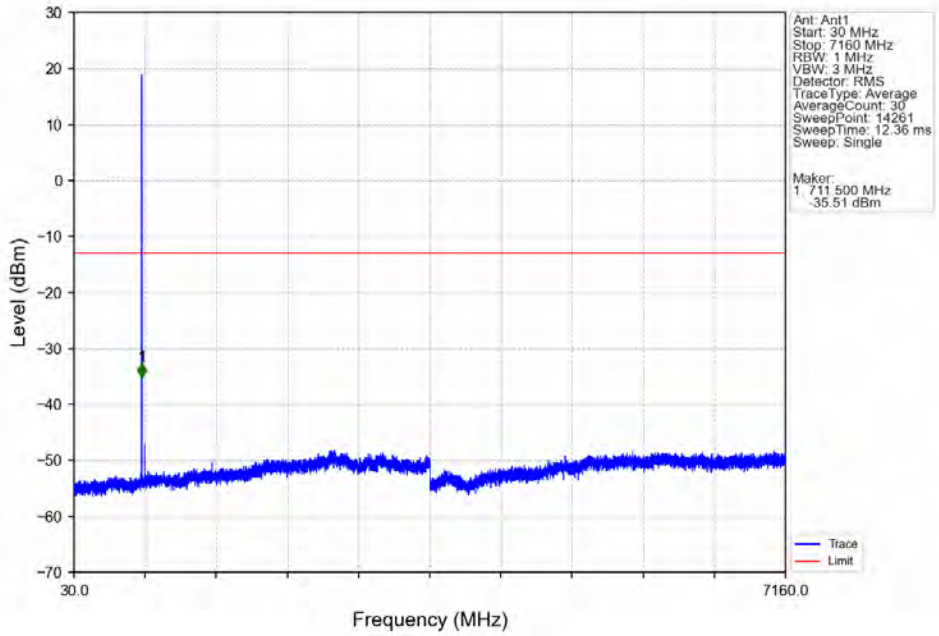


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

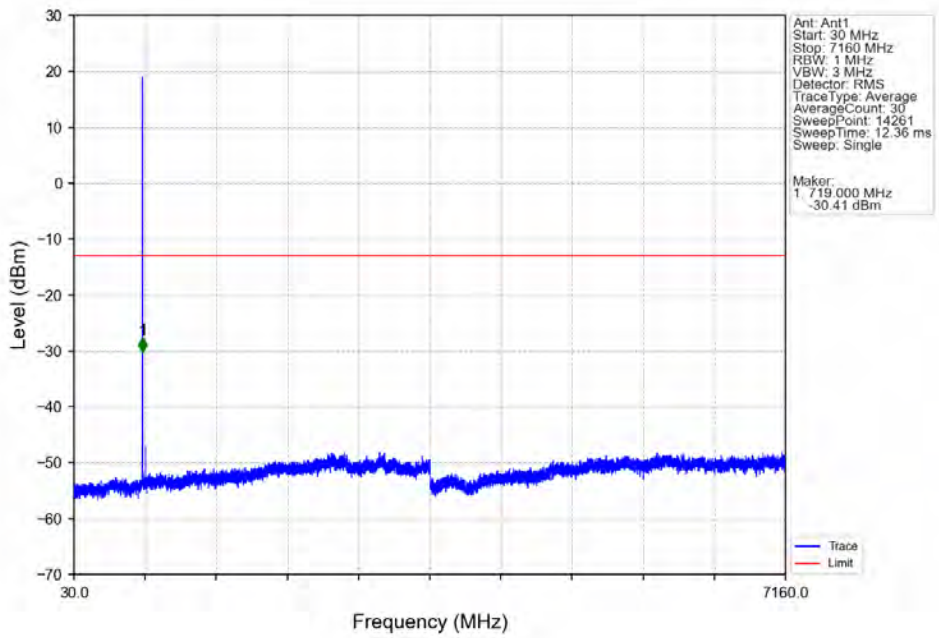


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.832	-29.72	-13	Pass
698.9	699	0.03	/	2	698.979	-29.45	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

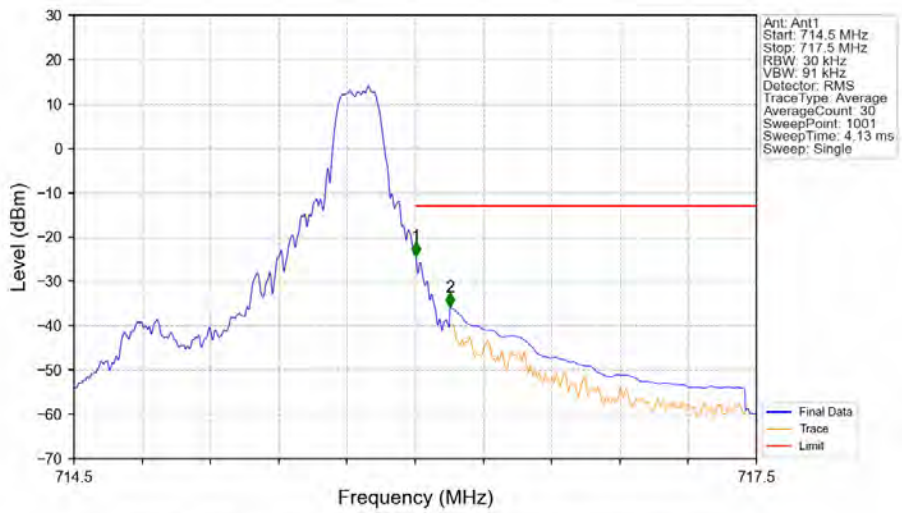
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

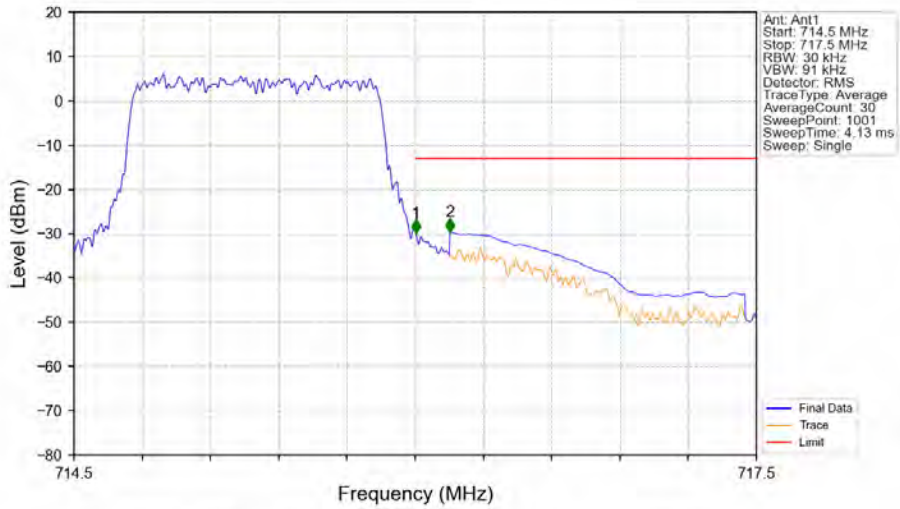


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



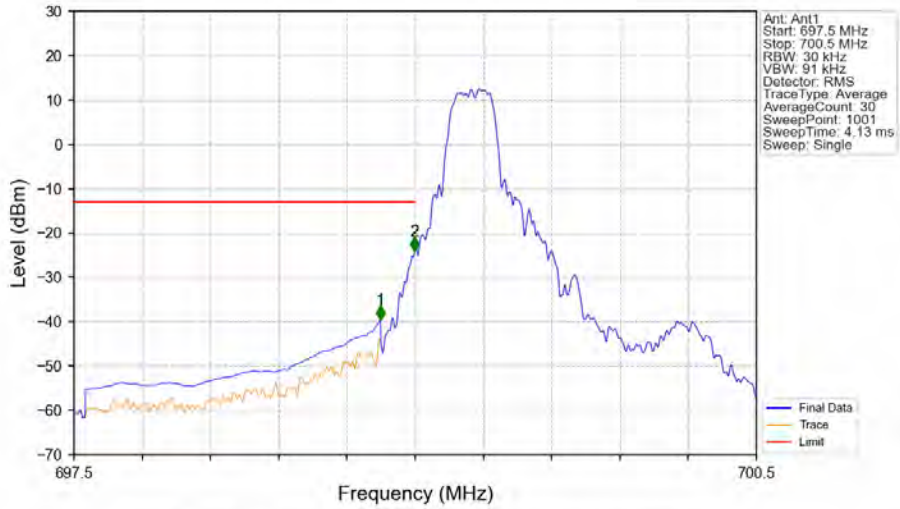
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.003	-24.27	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-35.73	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



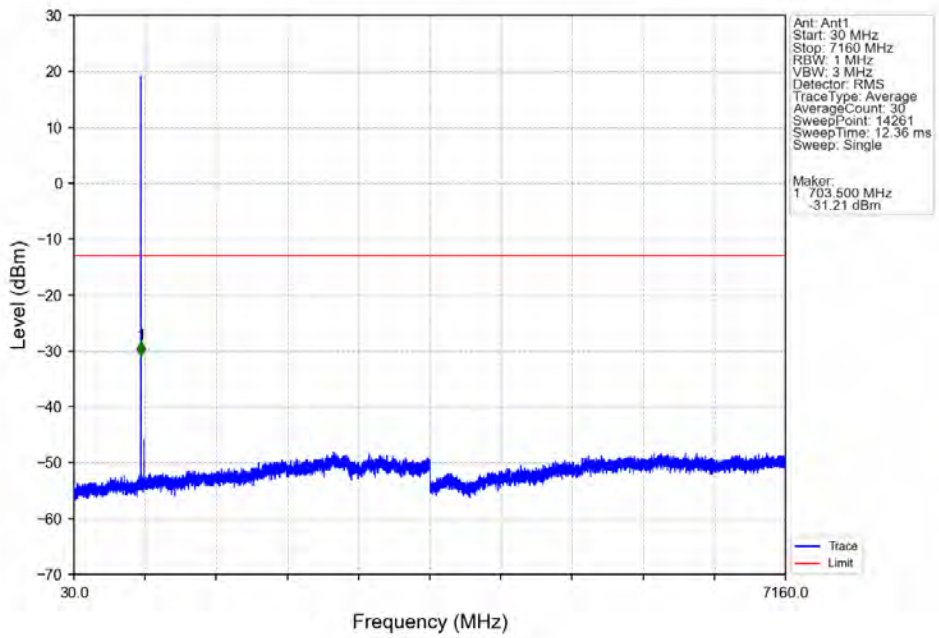
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.003	-29.81	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-29.58	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

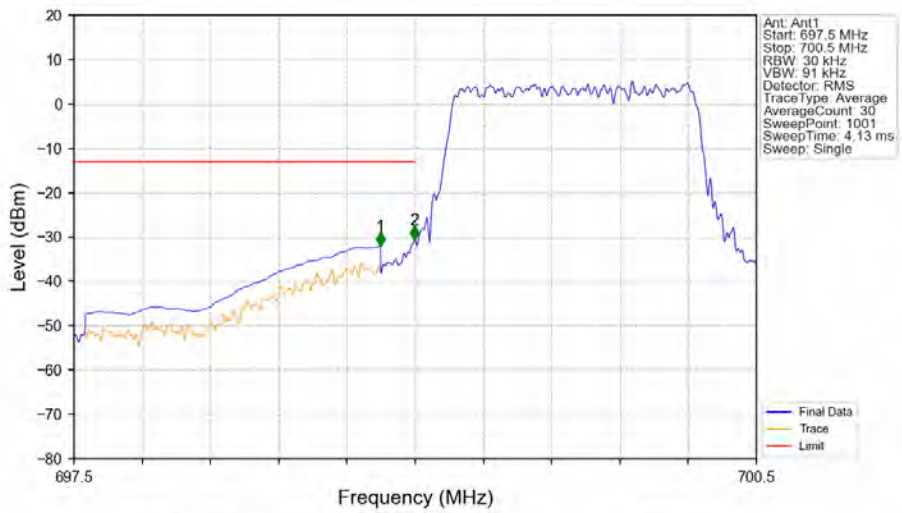


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-39.49	-13	Pass
698.9	699	0.03	/	2	698.997	-24.07	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

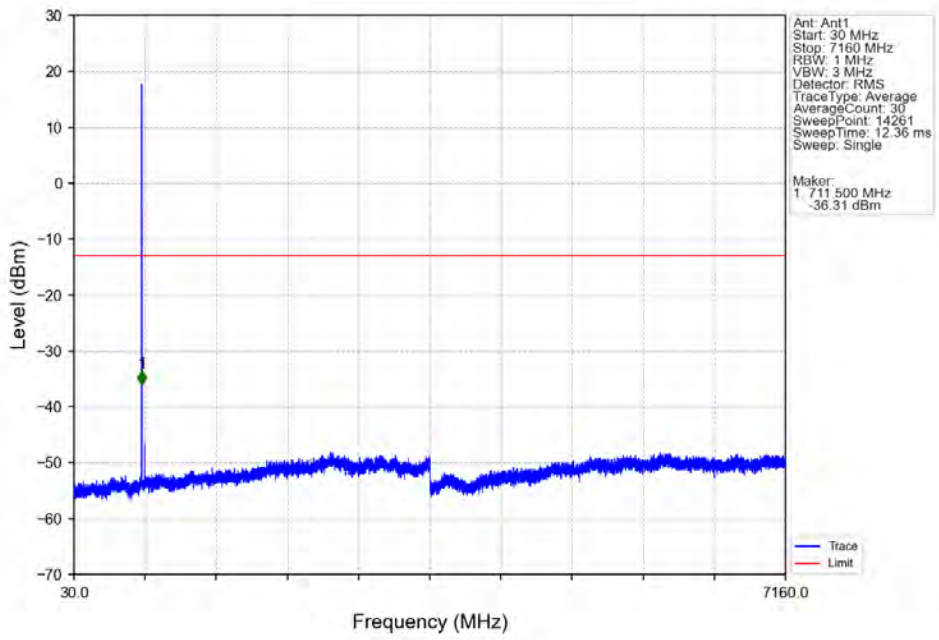


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

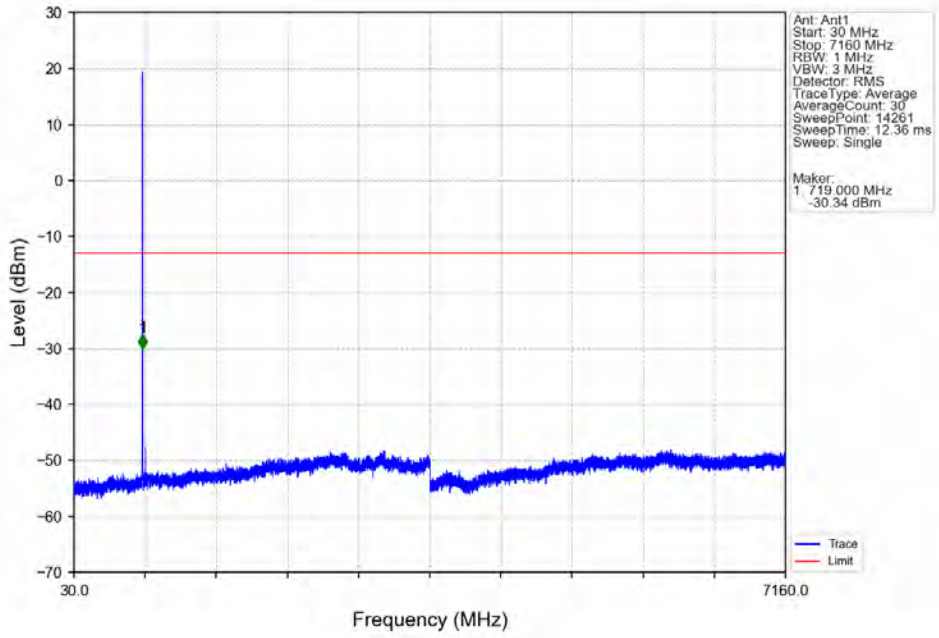


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-32.05	-13	Pass
698.9	699	0.03	/	2	698.997	-30.62	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

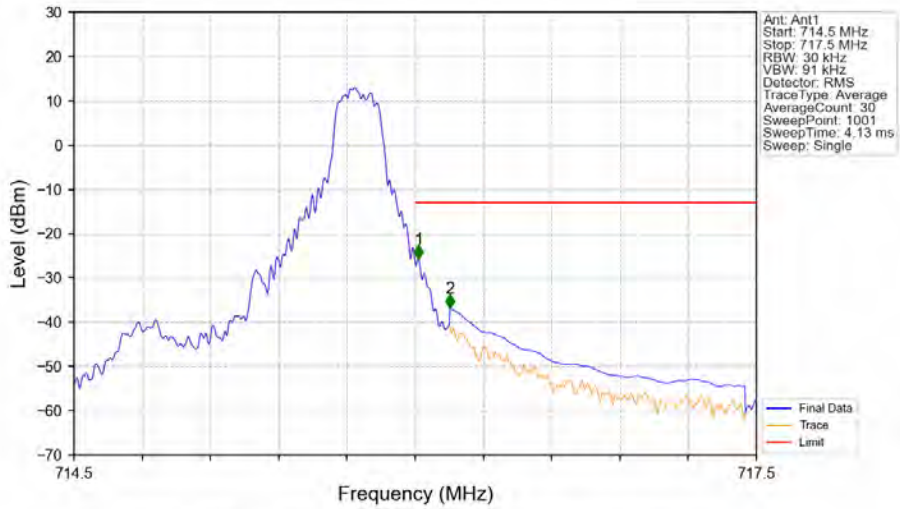
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

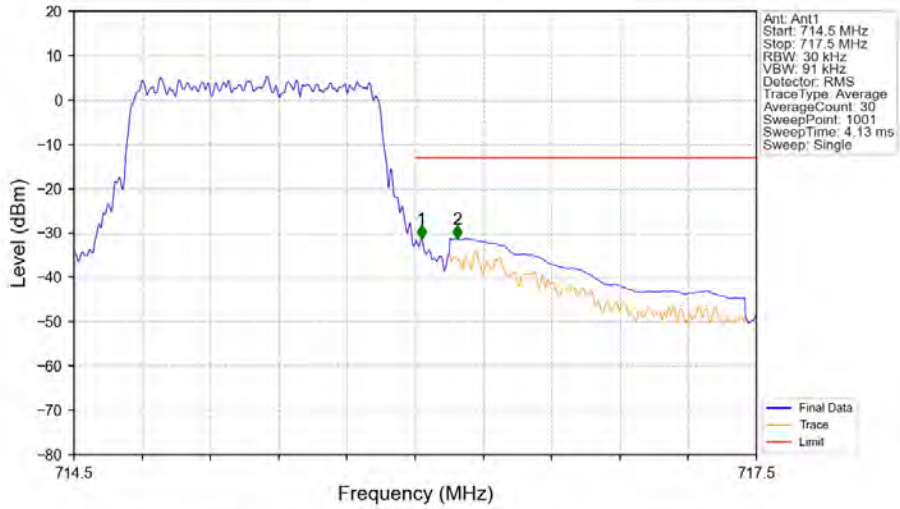


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.015	-25.61	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-36.87	-13	Pass

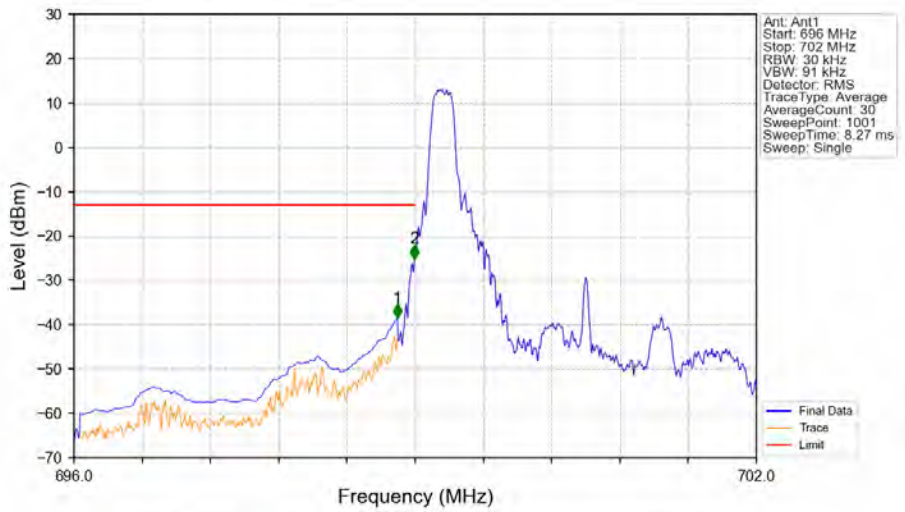
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.027	-31.31	-13	Pass
716.1	717.5	0.1	CHP	2	716.186	-31.24	-13	Pass

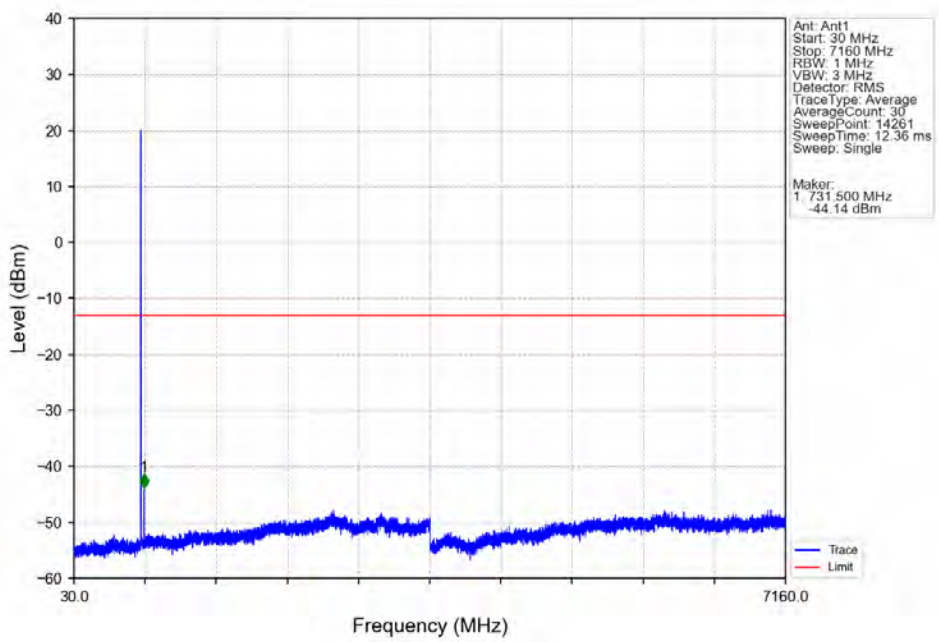
6.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

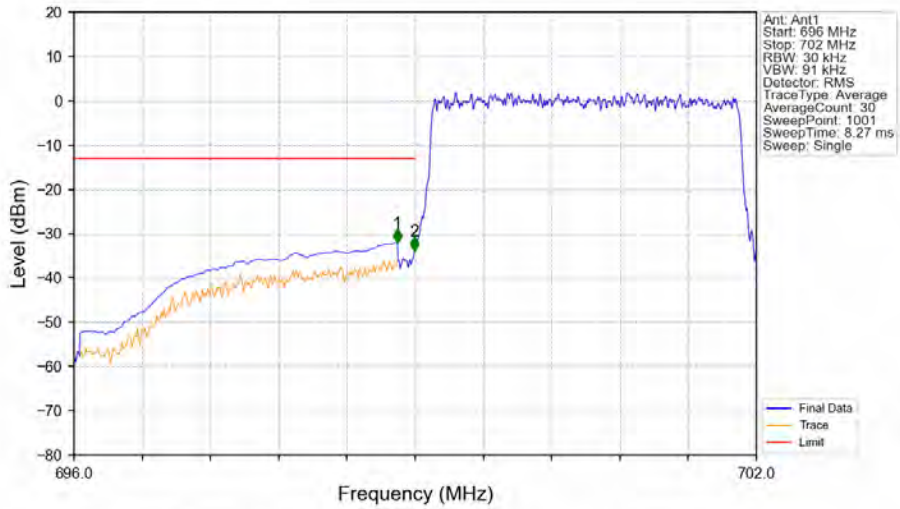


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-38.51	-13	Pass
698.9	699	0.03	/	2	698.994	-25.05	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

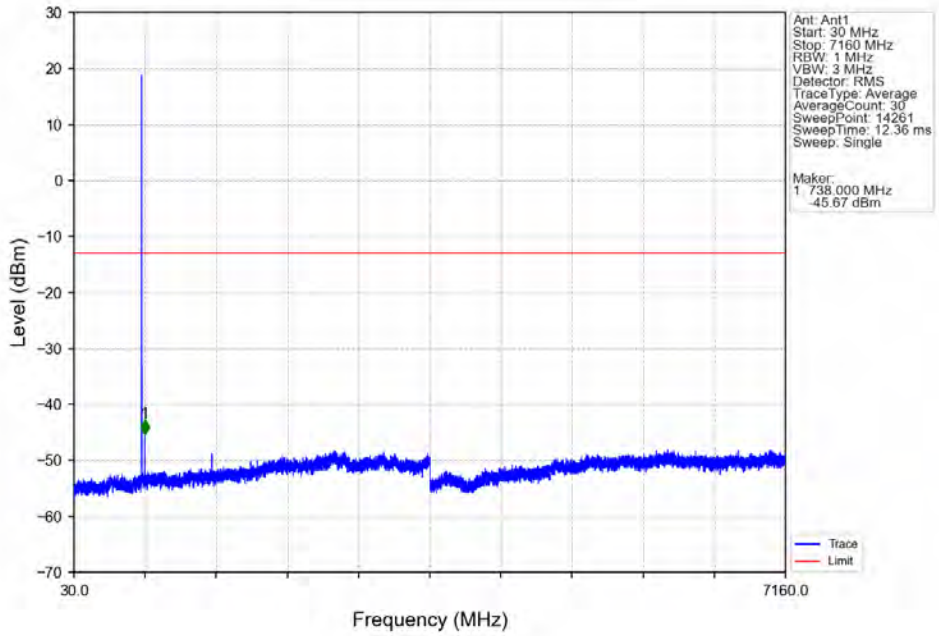


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

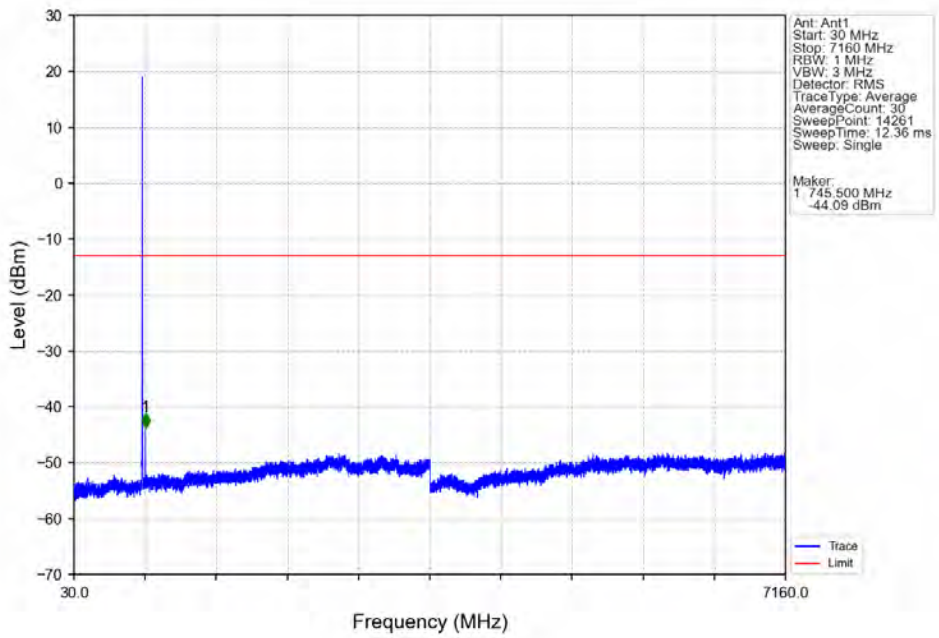


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.98	-13	Pass
698.9	699	0.03	/	2	698.994	-33.95	-13	Pass
699	702	0.03	/	/	/	/	/	/

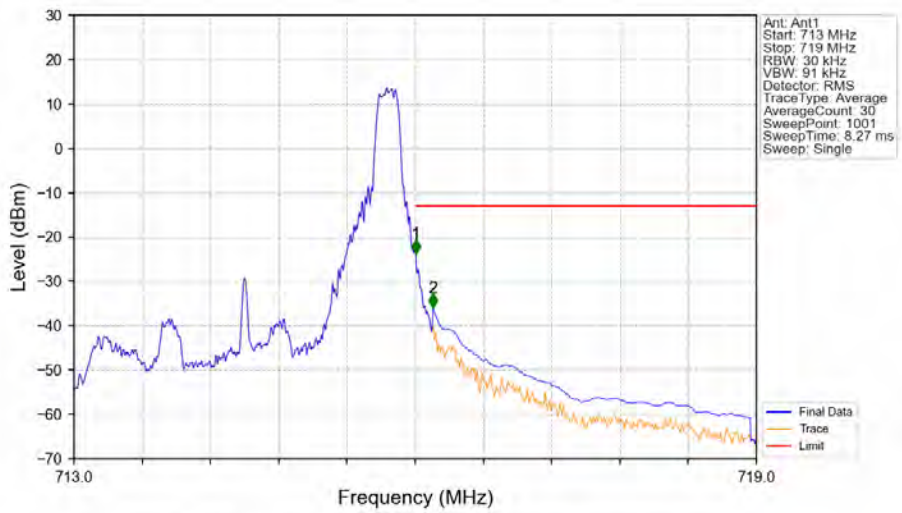
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

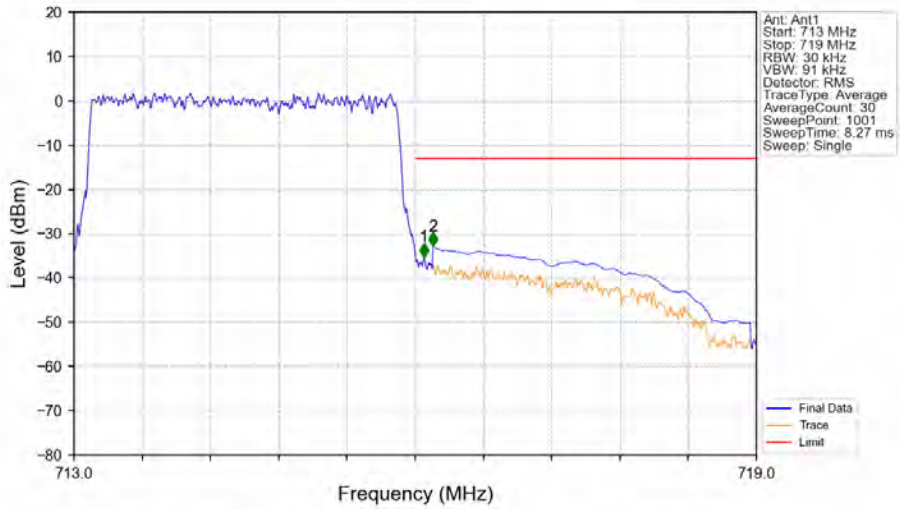


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



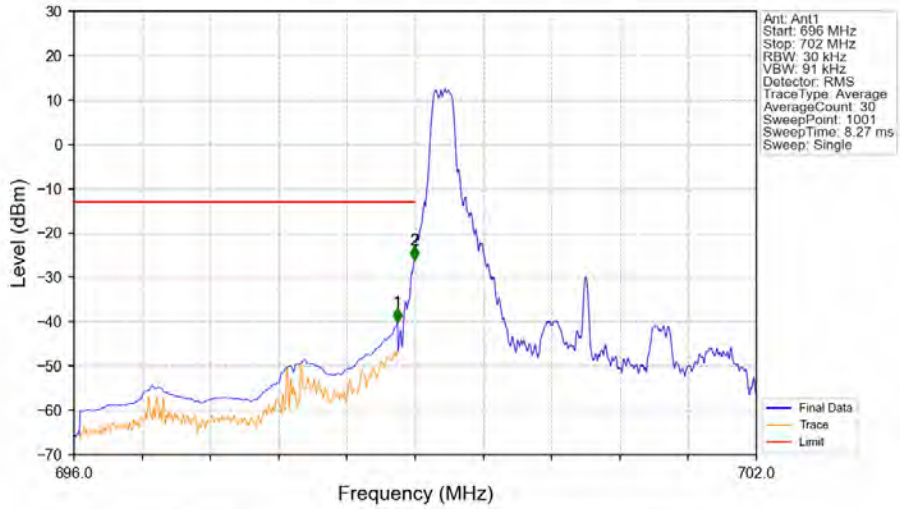
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-23.74	-13	Pass
716.1	719	0.1	CHP	2	716.156	-35.92	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



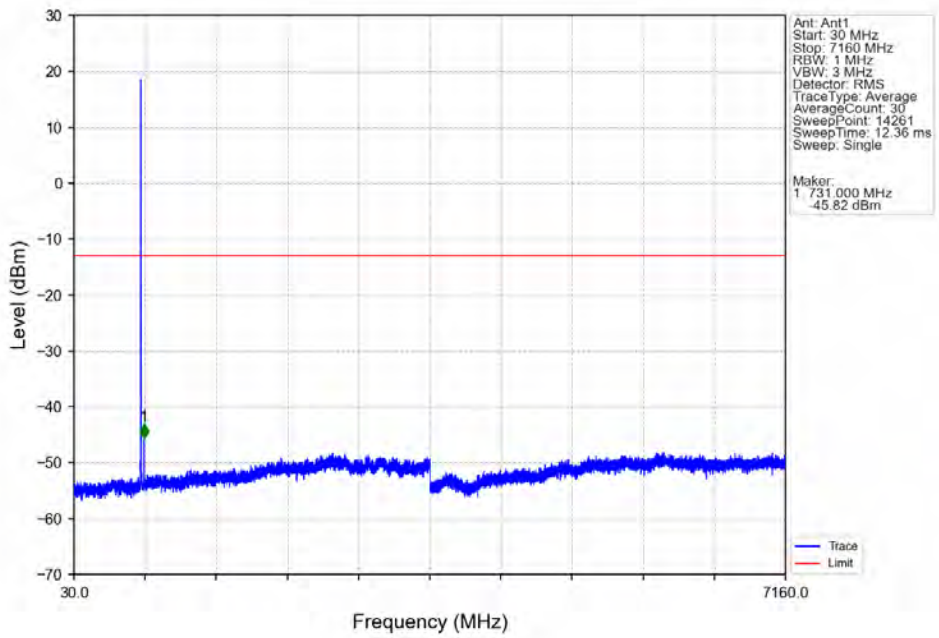
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.078	-35.22	-13	Pass
716.1	719	0.1	CHP	2	716.156	-32.80	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

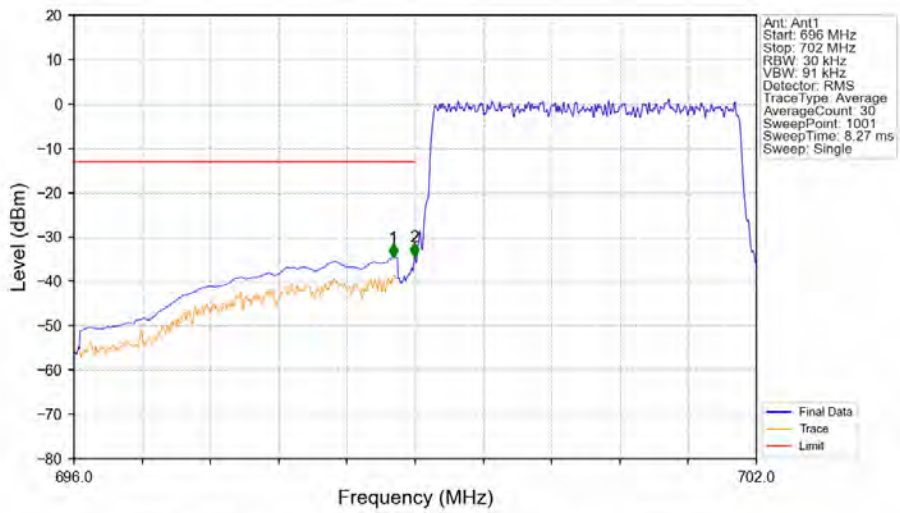


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-40.08	-13	Pass
698.9	699	0.03	/	2	698.994	-26.02	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

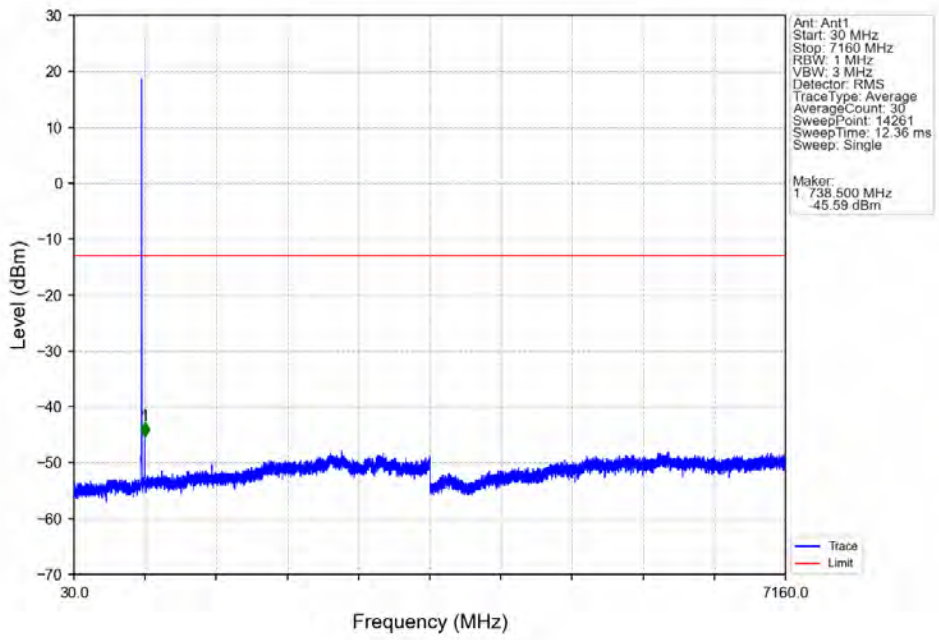


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

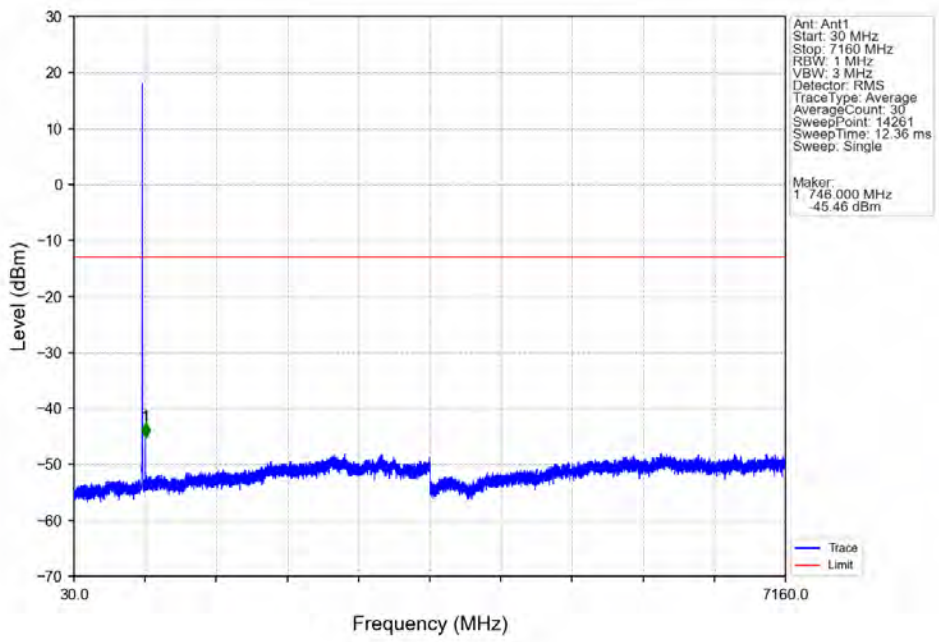


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.808	-34.58	-13	Pass
698.9	699	0.03	/	2	698.994	-34.48	-13	Pass
699	702	0.03	/	/	/	/	/	/

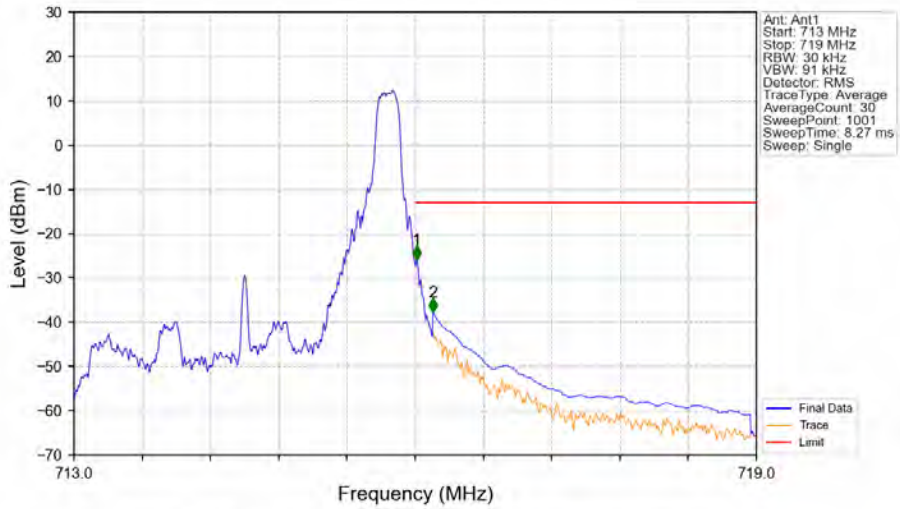
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

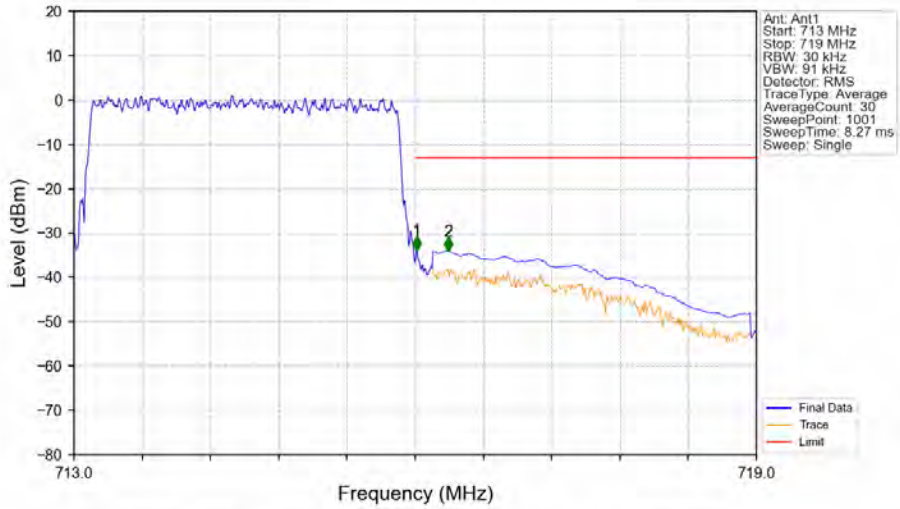


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-25.95	-13	Pass
716.1	719	0.1	CHP	2	716.156	-37.65	-13	Pass

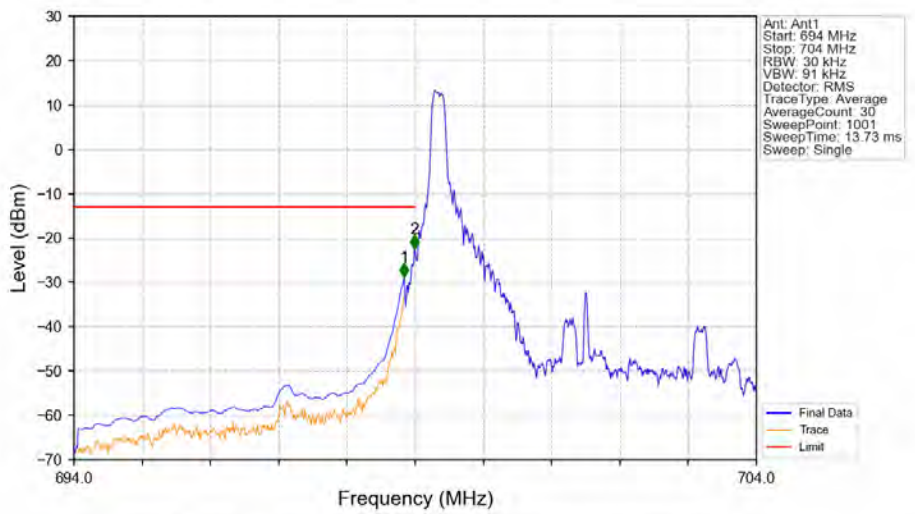
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-33.80	-13	Pass
716.1	719	0.1	CHP	2	716.294	-33.96	-13	Pass

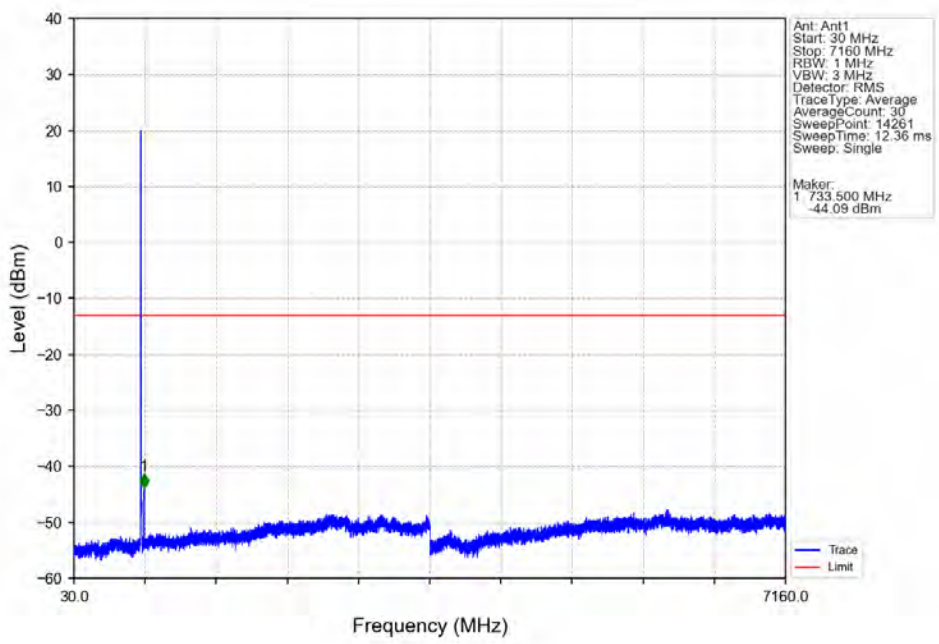
6.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

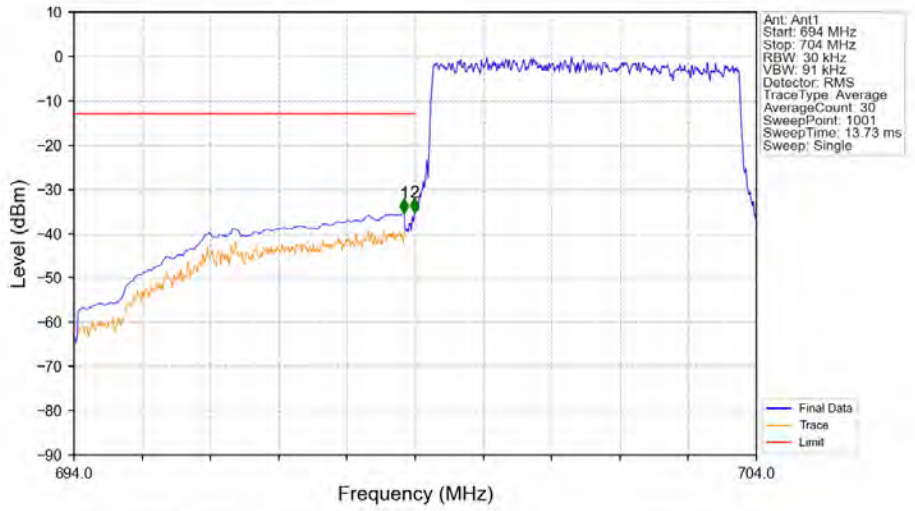


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-28.85	-13	Pass
698.9	699	0.03	/	2	698.990	-22.49	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

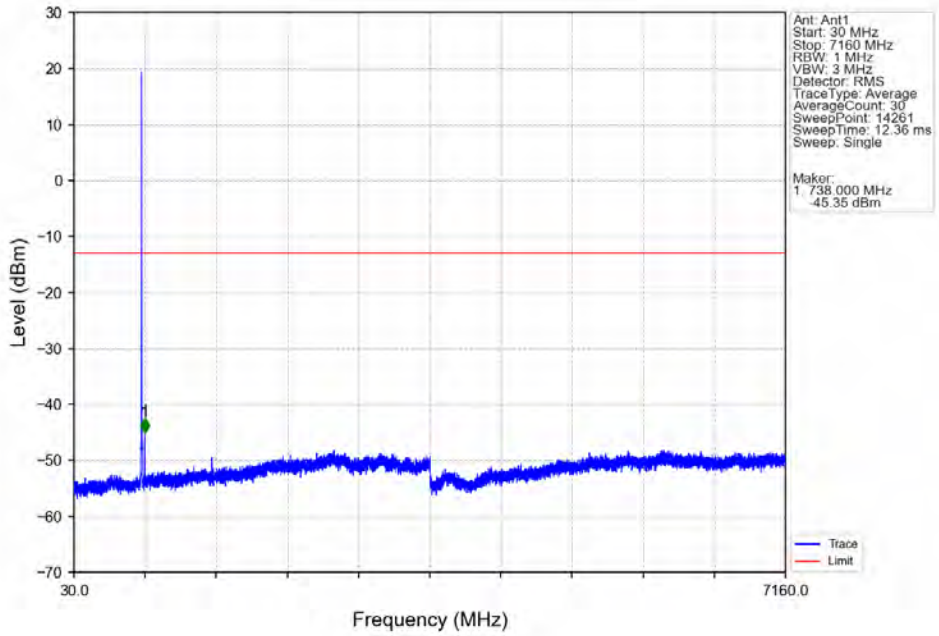


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

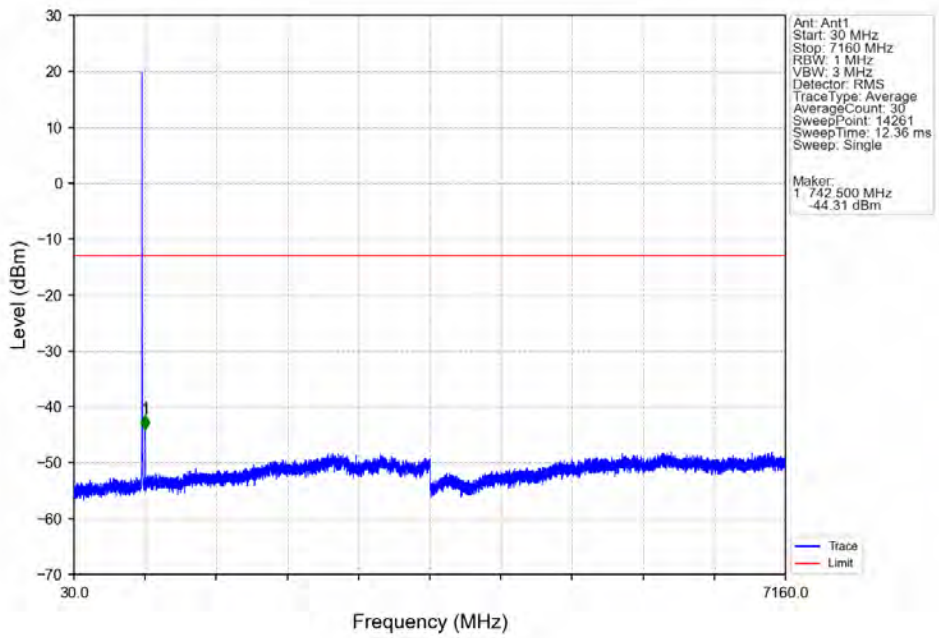


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-35.25	-13	Pass
698.9	699	0.03	/	2	698.990	-35.07	-13	Pass
699	704	0.03	/	/	/	/	/	/

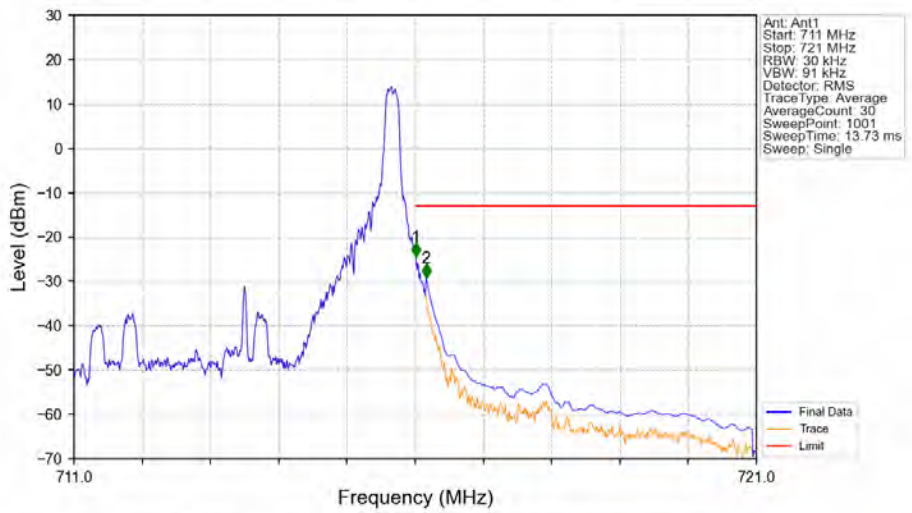
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

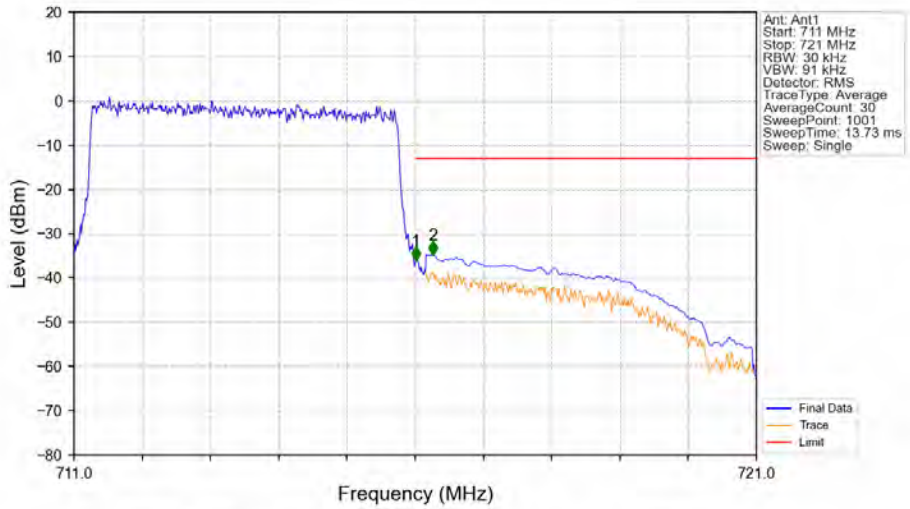


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



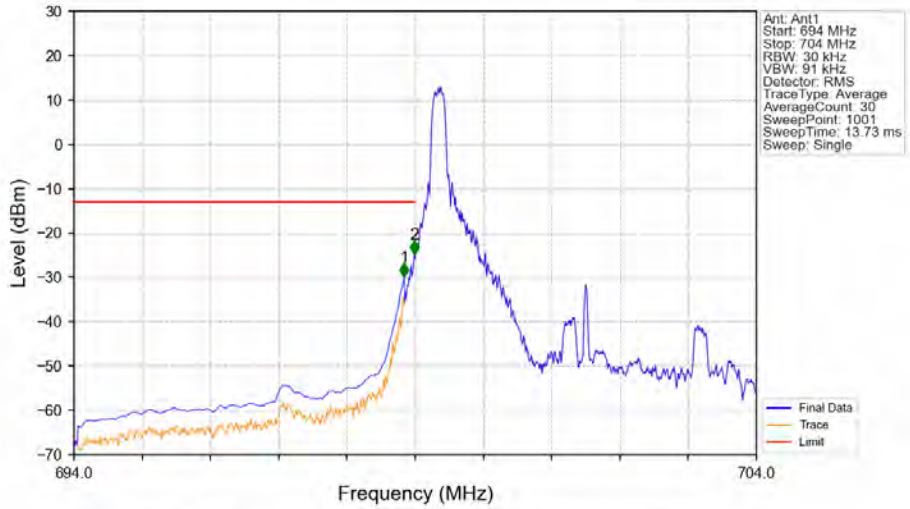
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-24.43	-13	Pass
716.1	721	0.1	CHP	2	716.160	-29.06	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



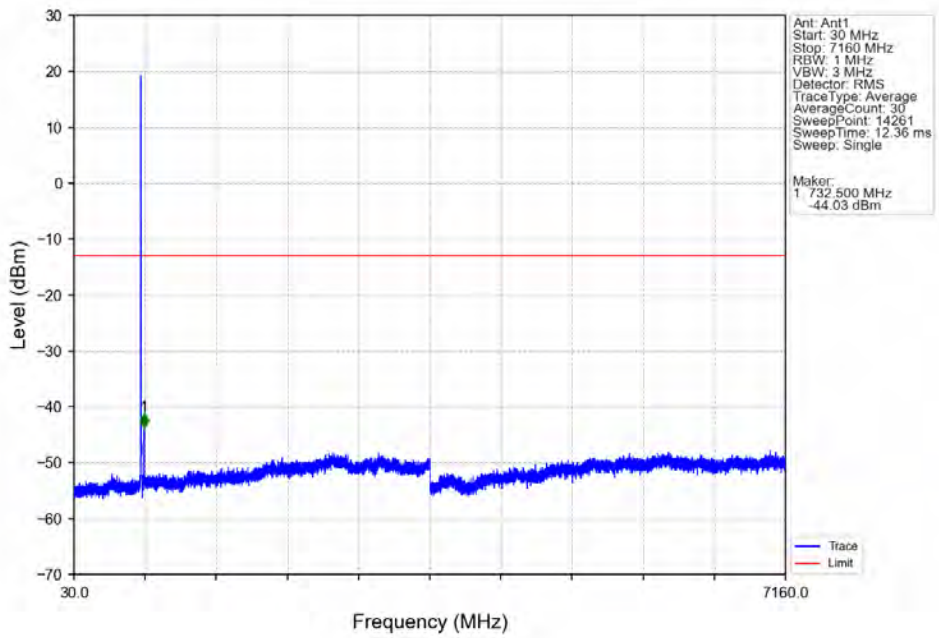
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-35.99	-13	Pass
716.1	721	0.1	CHP	2	716.260	-34.72	-13	Pass

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

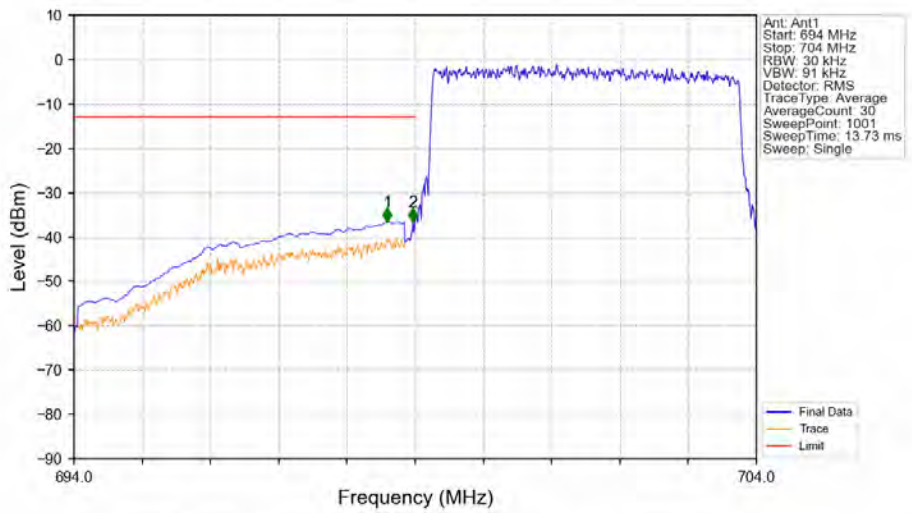


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-29.92	-13	Pass
698.9	699	0.03	/	2	698.990	-24.78	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

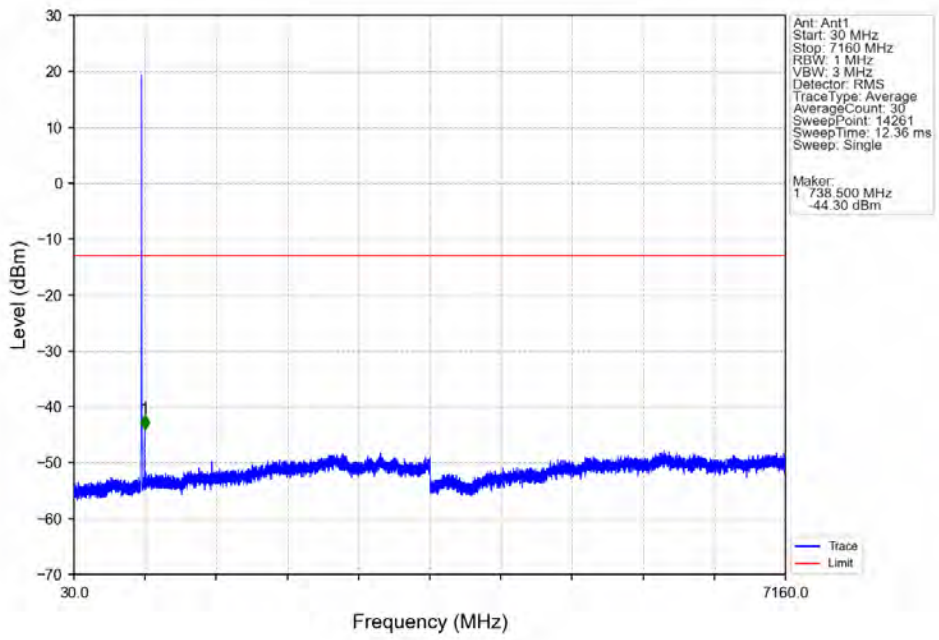


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

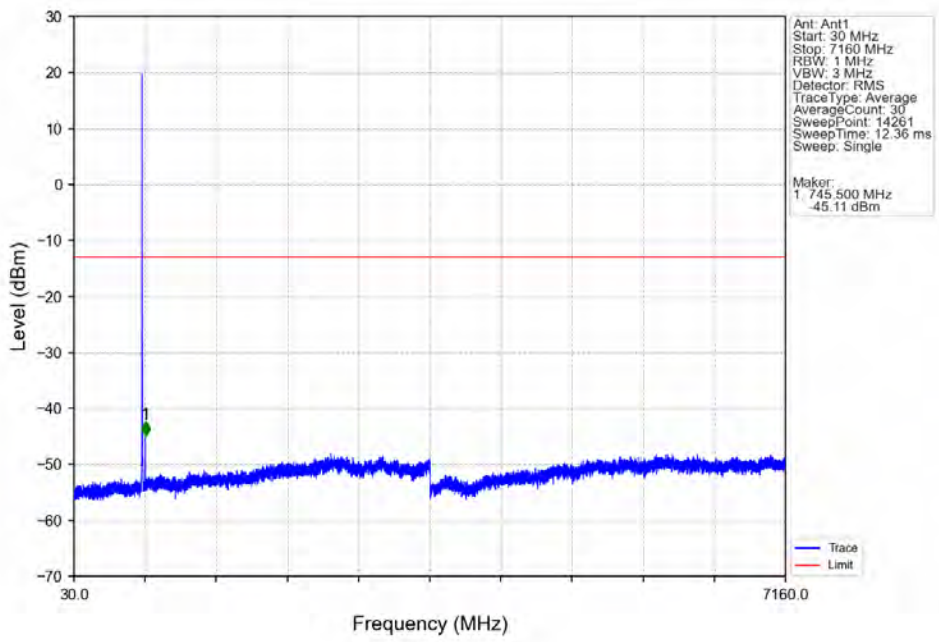


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.590	-36.49	-13	Pass
698.9	699	0.03	/	2	698.970	-36.50	-13	Pass
699	704	0.03	/	/	/	/	/	/

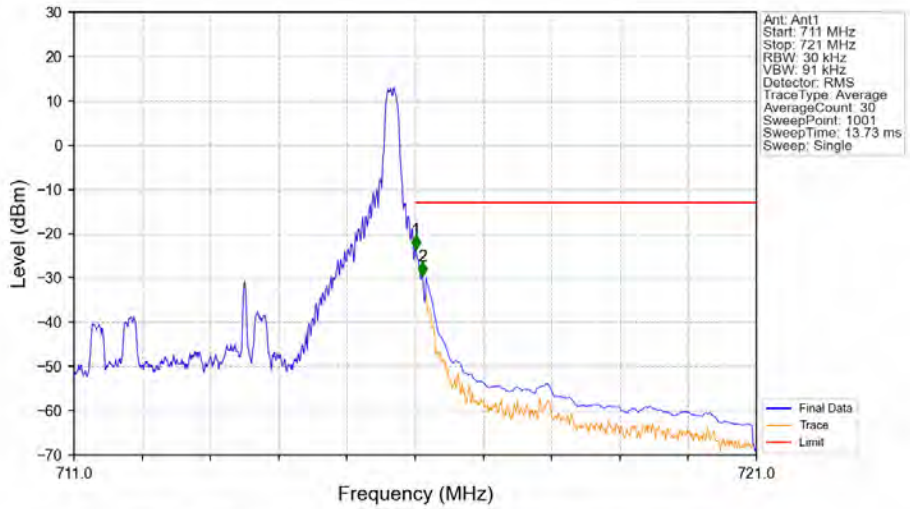
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

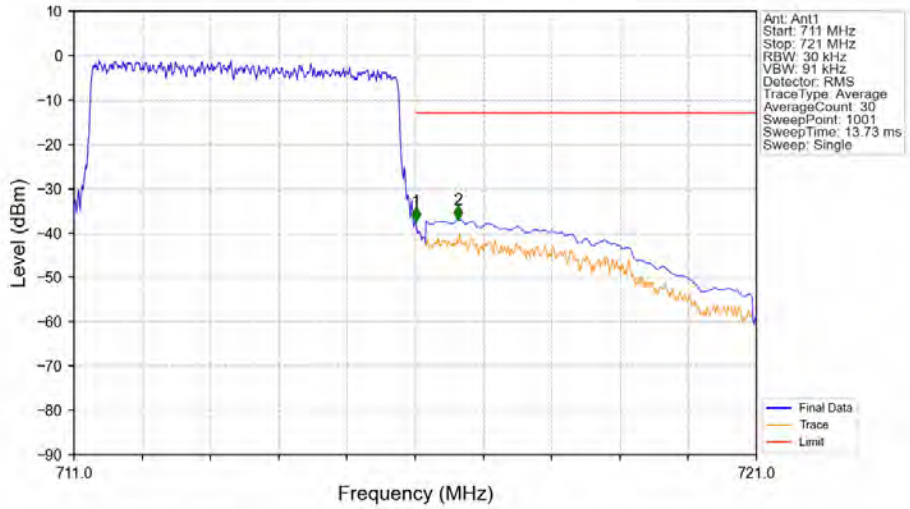


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-23.41	-13	Pass
716.1	721	0.1	CHP	2	716.110	-29.47	-13	Pass

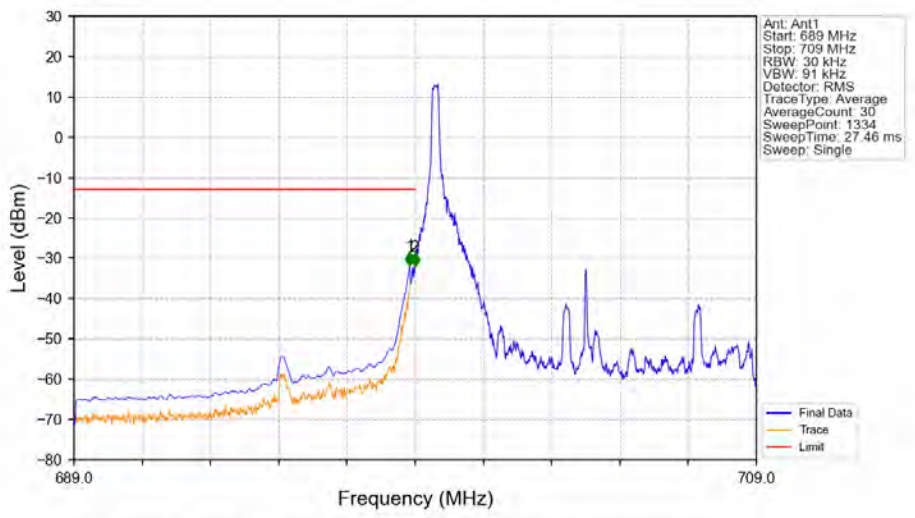
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-37.29	-13	Pass
716.1	721	0.1	CHP	2	716.630	-36.99	-13	Pass

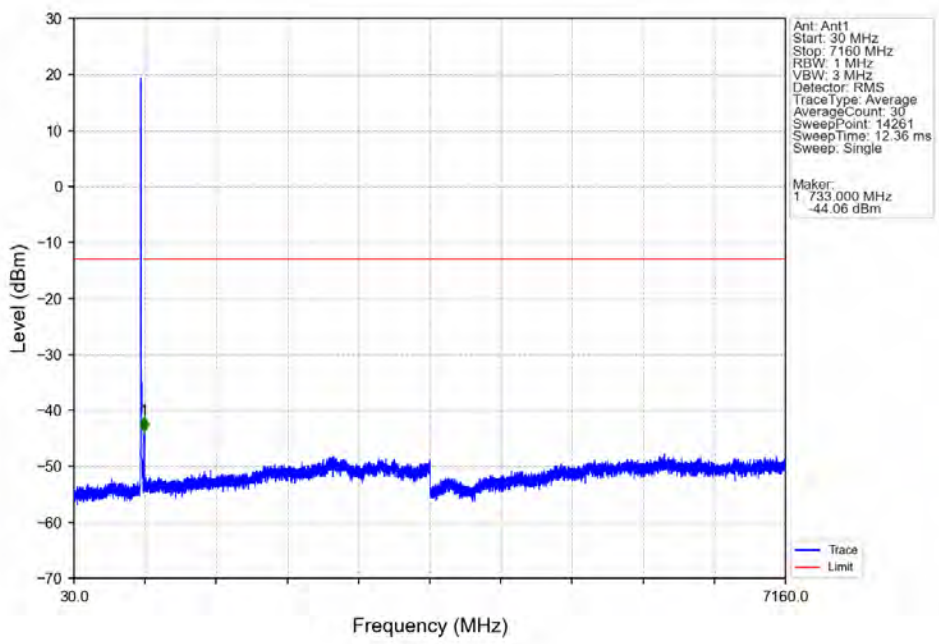
6.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

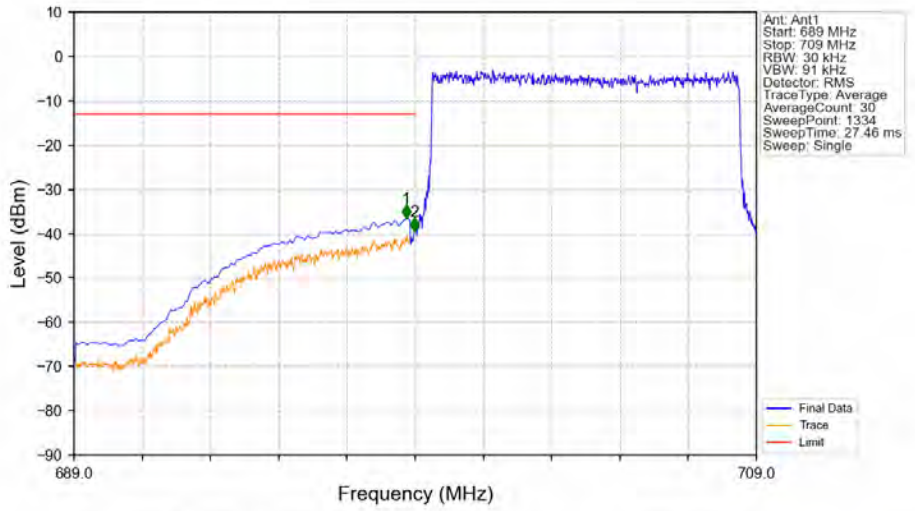


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-31.88	-13	Pass
698.9	699	0.03	/	2	698.992	-32.04	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

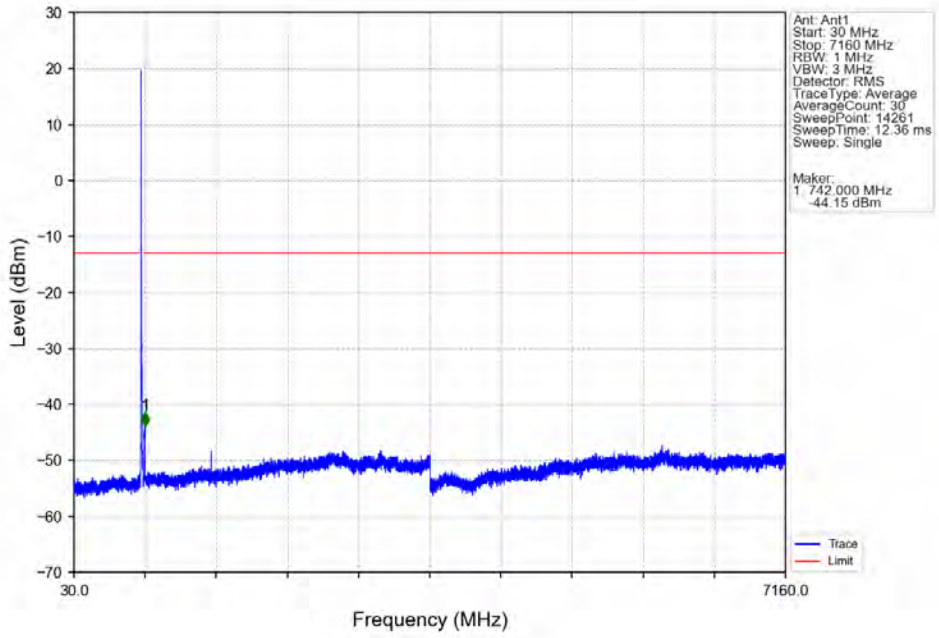


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

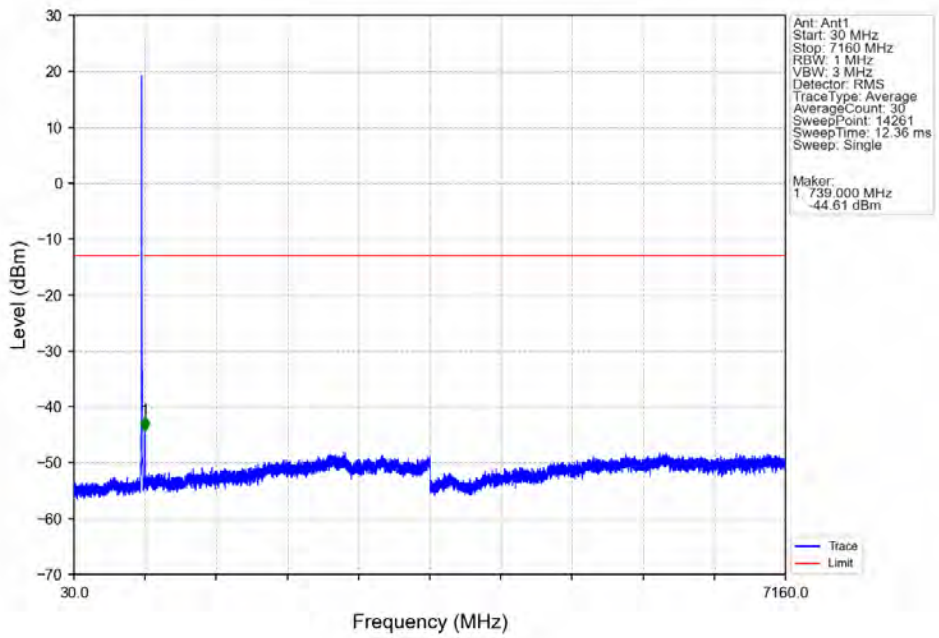


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.737	-36.53	-13	Pass
698.9	699	0.03	/	2	698.977	-39.47	-13	Pass
699	709	0.03	/	/	/	/	/	/

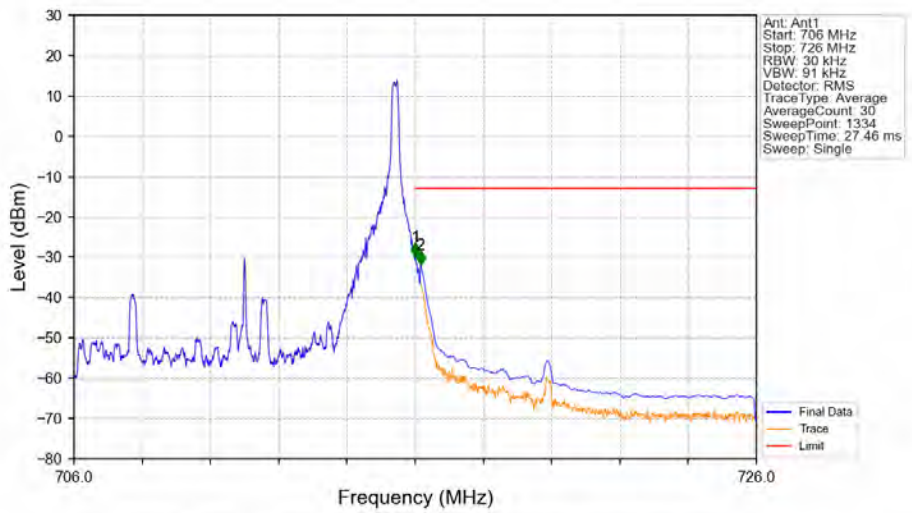
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

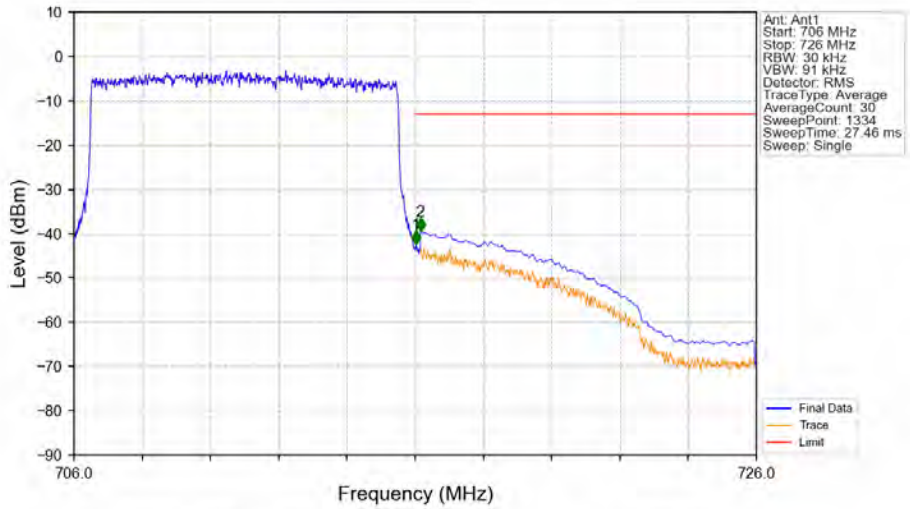


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



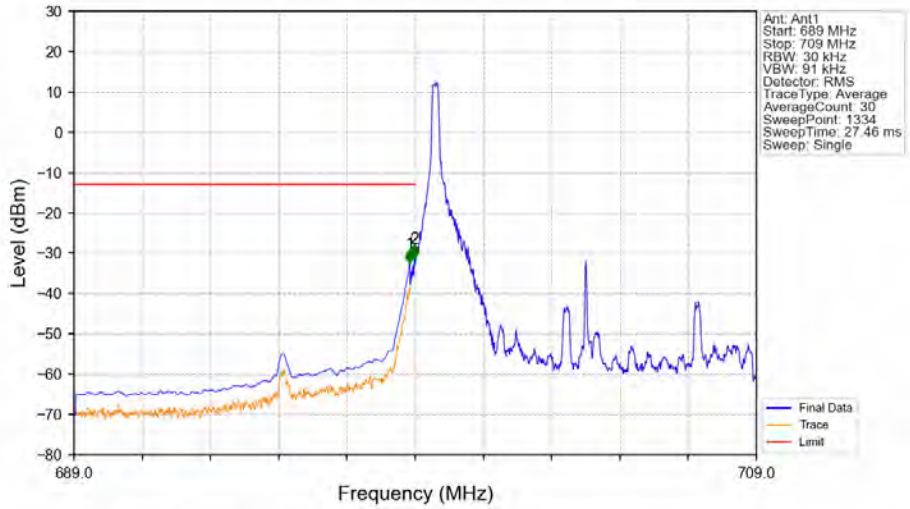
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-29.88	-13	Pass
716.1	726	0.1	CHP	2	716.158	-31.77	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



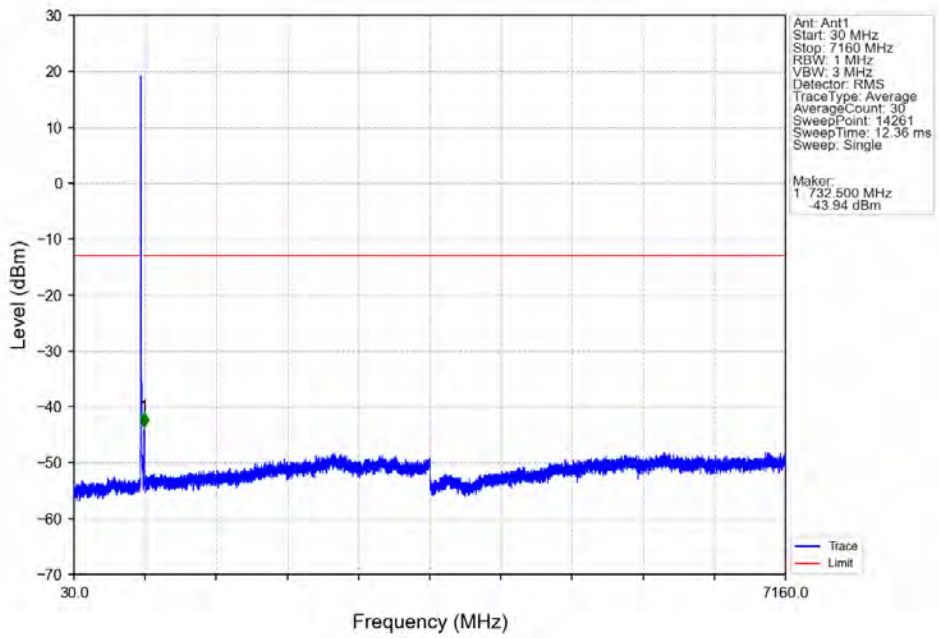
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-42.45	-13	Pass
716.1	726	0.1	CHP	2	716.158	-39.53	-13	Pass

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

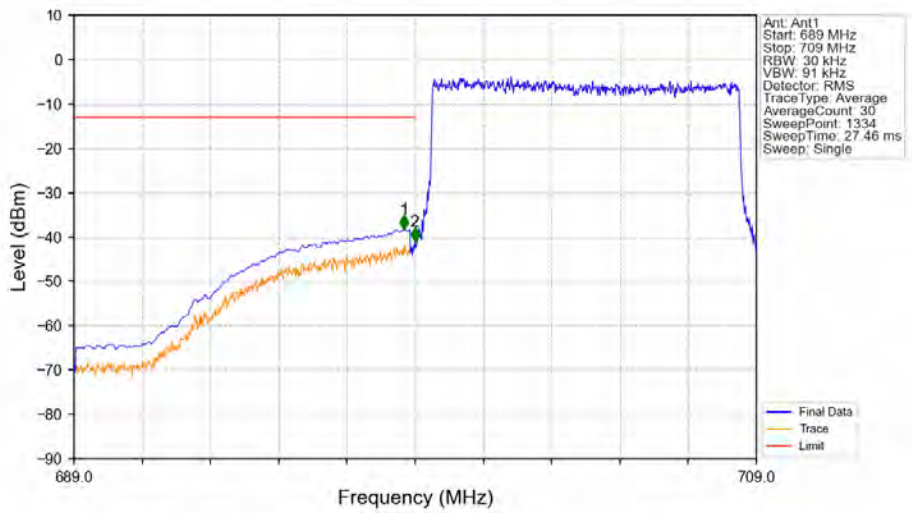


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-32.55	-13	Pass
698.9	699	0.03	/	2	698.977	-31.28	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

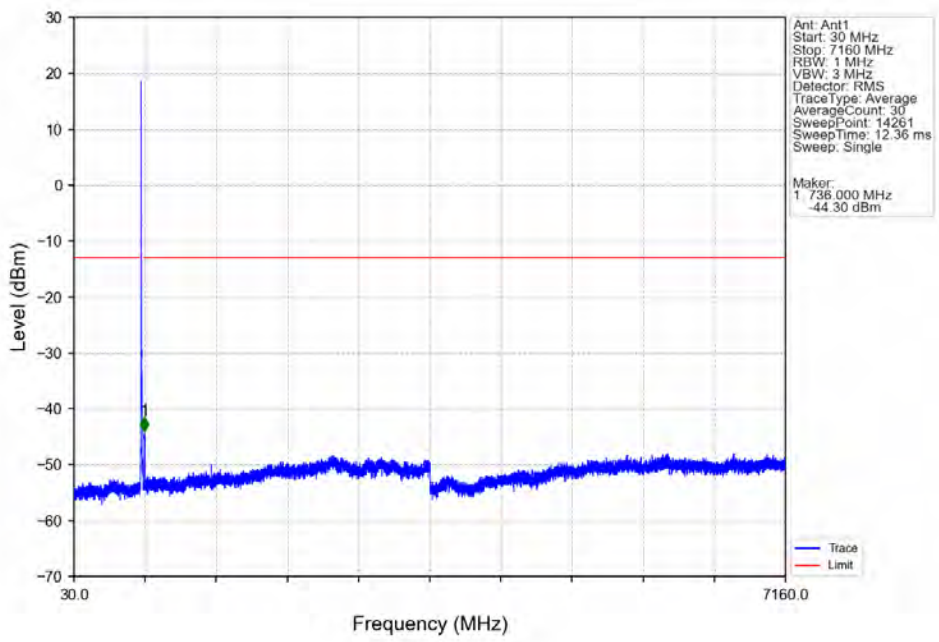


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

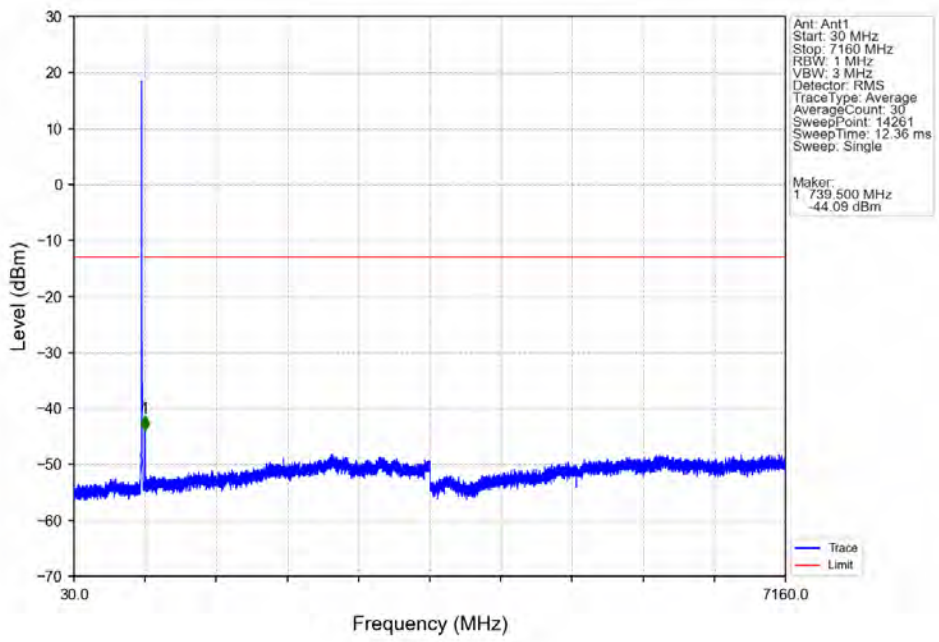


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.677	-38.29	-13	Pass
698.9	699	0.03	/	2	698.992	-41.02	-13	Pass
699	709	0.03	/	/	/	/	/	/

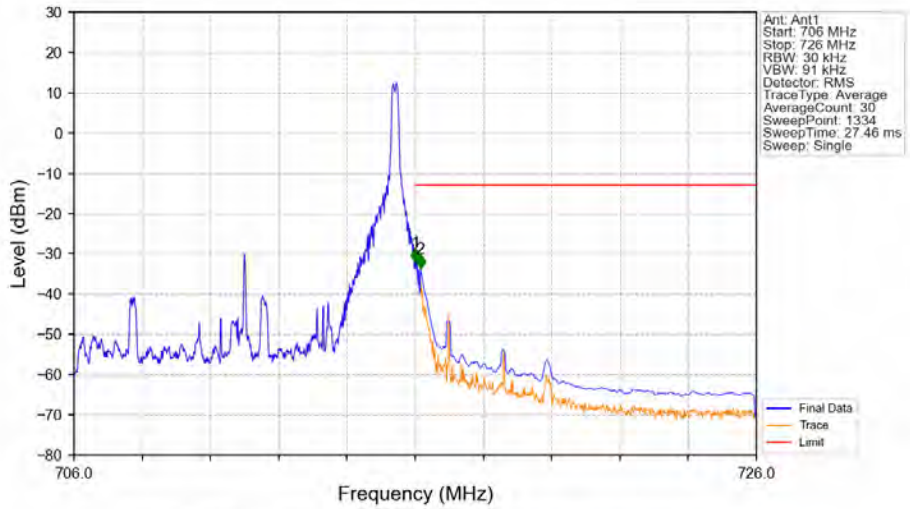
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

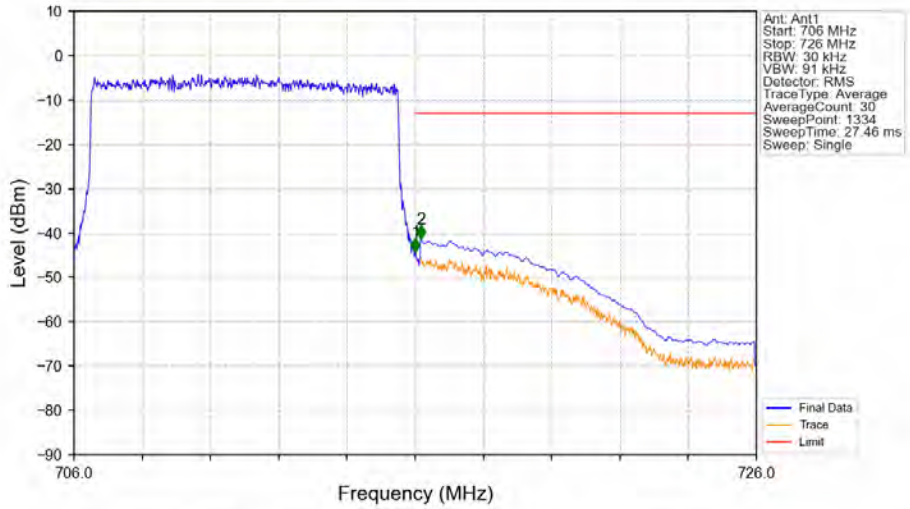


Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-31.99	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.72	-13	Pass

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-44.21	-13	Pass
716.1	726	0.1	CHP	2	716.173	-41.34	-13	Pass