

1. Effective (Isotropic) Radiated Power Output Data

1.1 B12_1.4MHz_ERP

1.1.1 Test Result

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	24.31	0.57	22.73	<=34.77	Pass
			2	24.43	0.57	22.85	<=34.77	Pass
			5	24.32	0.57	22.74	<=34.77	Pass
		3	0	24.39	0.57	22.81	<=34.77	Pass
			2	24.40	0.57	22.82	<=34.77	Pass
			3	24.38	0.57	22.80	<=34.77	Pass
		6	0	23.39	0.57	21.81	<=34.77	Pass
	707.5	1	0	24.40	0.57	22.82	<=34.77	Pass
			2	24.43	0.57	22.85	<=34.77	Pass
			5	24.33	0.57	22.75	<=34.77	Pass
		3	0	24.41	0.57	22.83	<=34.77	Pass
			2	24.44	0.57	22.86	<=34.77	Pass
			3	24.39	0.57	22.81	<=34.77	Pass
	6	0	23.44	0.57	21.86	<=34.77	Pass	
	715.3	1	0	24.48	0.57	22.90	<=34.77	Pass
			2	24.67	0.57	23.09	<=34.77	Pass
			5	24.55	0.57	22.97	<=34.77	Pass
		3	0	24.49	0.57	22.91	<=34.77	Pass
			2	24.51	0.57	22.93	<=34.77	Pass
			3	24.44	0.57	22.86	<=34.77	Pass
		6	0	23.58	0.57	22.00	<=34.77	Pass
16QAM	699.7	1	0	23.30	0.57	21.72	<=34.77	Pass
			2	23.44	0.57	21.86	<=34.77	Pass
			5	23.34	0.57	21.76	<=34.77	Pass
		3	0	23.41	0.57	21.83	<=34.77	Pass
			2	23.41	0.57	21.83	<=34.77	Pass
			3	23.40	0.57	21.82	<=34.77	Pass
		6	0	22.32	0.57	20.74	<=34.77	Pass
	707.5	1	0	23.32	0.57	21.74	<=34.77	Pass
			2	23.55	0.57	21.97	<=34.77	Pass
			5	23.48	0.57	21.90	<=34.77	Pass
		3	0	23.31	0.57	21.73	<=34.77	Pass
			2	23.34	0.57	21.76	<=34.77	Pass
			3	23.30	0.57	21.72	<=34.77	Pass
	6	0	22.40	0.57	20.82	<=34.77	Pass	
	715.3	1	0	23.39	0.57	21.81	<=34.77	Pass
			2	23.53	0.57	21.95	<=34.77	Pass
			5	23.44	0.57	21.86	<=34.77	Pass
		3	0	23.48	0.57	21.90	<=34.77	Pass
2			23.46	0.57	21.88	<=34.77	Pass	
3			23.43	0.57	21.85	<=34.77	Pass	
6		0	22.46	0.57	20.88	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B12_3MHz_ERP

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTVN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	700.5	1	0	24.06	0.57	22.48	<=34.77	Pass	
			7	24.54	0.57	22.96	<=34.77	Pass	
			14	24.45	0.57	22.87	<=34.77	Pass	
		8	0	23.40	0.57	21.82	<=34.77	Pass	
			4	23.45	0.57	21.87	<=34.77	Pass	
			7	23.38	0.57	21.80	<=34.77	Pass	
		15	0	23.37	0.57	21.79	<=34.77	Pass	
		707.5	1	0	24.37	0.57	22.79	<=34.77	Pass
				7	24.52	0.57	22.94	<=34.77	Pass
	14			24.34	0.57	22.76	<=34.77	Pass	
	8		0	23.37	0.57	21.79	<=34.77	Pass	
			4	23.44	0.57	21.86	<=34.77	Pass	
			7	23.38	0.57	21.80	<=34.77	Pass	
	15	0	23.34	0.57	21.76	<=34.77	Pass		
	714.5	1	0	24.51	0.57	22.93	<=34.77	Pass	
			7	24.67	0.57	23.09	<=34.77	Pass	
			14	24.62	0.57	23.04	<=34.77	Pass	
		8	0	23.52	0.57	21.94	<=34.77	Pass	
			4	23.57	0.57	21.99	<=34.77	Pass	
			7	23.59	0.57	22.01	<=34.77	Pass	
		15	0	23.50	0.57	21.92	<=34.77	Pass	
16QAM		700.5	1	0	23.36	0.57	21.78	<=34.77	Pass
				7	23.56	0.57	21.98	<=34.77	Pass
	14			23.42	0.57	21.84	<=34.77	Pass	
	8		0	22.46	0.57	20.88	<=34.77	Pass	
			4	22.45	0.57	20.87	<=34.77	Pass	
			7	22.40	0.57	20.82	<=34.77	Pass	
	15		0	22.39	0.57	20.81	<=34.77	Pass	
	707.5	1	0	23.81	0.57	22.23	<=34.77	Pass	
			7	23.96	0.57	22.38	<=34.77	Pass	
			14	23.88	0.57	22.30	<=34.77	Pass	
		8	0	22.45	0.57	20.87	<=34.77	Pass	
			4	22.54	0.57	20.96	<=34.77	Pass	
			7	22.52	0.57	20.94	<=34.77	Pass	
	15	0	22.38	0.57	20.80	<=34.77	Pass		
	714.5	1	0	23.46	0.57	21.88	<=34.77	Pass	
			7	23.57	0.57	21.99	<=34.77	Pass	
			14	23.52	0.57	21.94	<=34.77	Pass	
		8	0	22.36	0.57	20.78	<=34.77	Pass	
			4	22.38	0.57	20.80	<=34.77	Pass	
			7	22.40	0.57	20.82	<=34.77	Pass	
		15	0	22.31	0.57	20.73	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.3 B12_5MHz_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.49	0.57	21.91	<=34.77	Pass
			13	23.63	0.57	22.05	<=34.77	Pass
			24	23.50	0.57	21.92	<=34.77	Pass
		12	0	22.90	0.57	21.32	<=34.77	Pass
			6	23.13	0.57	21.55	<=34.77	Pass
			13	22.66	0.57	21.08	<=34.77	Pass
		25	0	23.12	0.57	21.54	<=34.77	Pass
	707.5	1	0	23.99	0.57	22.41	<=34.77	Pass
			13	24.10	0.57	22.52	<=34.77	Pass
			24	23.96	0.57	22.38	<=34.77	Pass
		12	0	22.90	0.57	21.32	<=34.77	Pass
			6	23.07	0.57	21.49	<=34.77	Pass
			13	22.91	0.57	21.33	<=34.77	Pass
		25	0	22.87	0.57	21.29	<=34.77	Pass
	713.5	1	0	23.98	0.57	22.40	<=34.77	Pass
			13	24.18	0.57	22.60	<=34.77	Pass
			24	23.98	0.57	22.40	<=34.77	Pass
		12	0	23.23	0.57	21.65	<=34.77	Pass
			6	23.01	0.57	21.43	<=34.77	Pass
			13	22.91	0.57	21.33	<=34.77	Pass
		25	0	22.85	0.57	21.27	<=34.77	Pass
16QAM	701.5	1	0	22.59	0.57	21.01	<=34.77	Pass
			13	22.97	0.57	21.39	<=34.77	Pass
			24	22.84	0.57	21.26	<=34.77	Pass
		12	0	22.15	0.57	20.57	<=34.77	Pass
			6	22.09	0.57	20.51	<=34.77	Pass
			13	22.07	0.57	20.49	<=34.77	Pass
		25	0	22.12	0.57	20.54	<=34.77	Pass
	707.5	1	0	23.16	0.57	21.58	<=34.77	Pass
			13	23.29	0.57	21.71	<=34.77	Pass
			24	23.20	0.57	21.62	<=34.77	Pass
		12	0	21.90	0.57	20.32	<=34.77	Pass
			6	22.07	0.57	20.49	<=34.77	Pass
			13	21.91	0.57	20.33	<=34.77	Pass
		25	0	21.85	0.57	20.27	<=34.77	Pass
	713.5	1	0	22.66	0.57	21.08	<=34.77	Pass
			13	22.54	0.57	20.96	<=34.77	Pass
			24	22.25	0.57	20.67	<=34.77	Pass
		12	0	21.42	0.57	19.84	<=34.77	Pass
			6	21.31	0.57	19.73	<=34.77	Pass
			13	21.39	0.57	19.81	<=34.77	Pass
		25	0	21.45	0.57	19.87	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.4 B12_10MHz_ERP

1.4.1 Test Result

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	23.54	0.57	21.96	<=34.77	Pass
			25	23.51	0.57	21.93	<=34.77	Pass
			49	23.18	0.57	21.60	<=34.77	Pass
		25	0	22.33	0.57	20.75	<=34.77	Pass
			13	22.33	0.57	20.75	<=34.77	Pass
			25	22.63	0.57	21.05	<=34.77	Pass
		50	0	22.57	0.57	20.99	<=34.77	Pass
	707.5	1	0	23.38	0.57	21.80	<=34.77	Pass
			25	23.44	0.57	21.86	<=34.77	Pass
			49	23.27	0.57	21.69	<=34.77	Pass
		25	0	21.83	0.57	20.25	<=34.77	Pass
			13	22.15	0.57	20.57	<=34.77	Pass
			25	21.94	0.57	20.36	<=34.77	Pass
		50	0	22.15	0.57	20.57	<=34.77	Pass
	711	1	0	23.61	0.57	22.03	<=34.77	Pass
			25	23.69	0.57	22.11	<=34.77	Pass
			49	23.41	0.57	21.83	<=34.77	Pass
		25	0	22.43	0.57	20.85	<=34.77	Pass
			13	22.23	0.57	20.65	<=34.77	Pass
			25	22.17	0.57	20.59	<=34.77	Pass
		50	0	22.39	0.57	20.81	<=34.77	Pass
16QAM	704	1	0	22.61	0.57	21.03	<=34.77	Pass
			25	22.81	0.57	21.23	<=34.77	Pass
			49	22.70	0.57	21.12	<=34.77	Pass
		25	0	21.39	0.57	19.81	<=34.77	Pass
			13	21.36	0.57	19.78	<=34.77	Pass
			25	21.71	0.57	20.13	<=34.77	Pass
		50	0	21.66	0.57	20.08	<=34.77	Pass
	707.5	1	0	22.33	0.57	20.75	<=34.77	Pass
			25	22.46	0.57	20.88	<=34.77	Pass
			49	22.33	0.57	20.75	<=34.77	Pass
		25	0	20.90	0.57	19.32	<=34.77	Pass
			13	21.22	0.57	19.64	<=34.77	Pass
			25	21.08	0.57	19.50	<=34.77	Pass
		50	0	21.19	0.57	19.61	<=34.77	Pass
	711	1	0	22.10	0.57	20.52	<=34.77	Pass
			25	22.33	0.57	20.75	<=34.77	Pass
			49	22.14	0.57	20.56	<=34.77	Pass
		25	0	21.48	0.57	19.90	<=34.77	Pass
			13	21.33	0.57	19.75	<=34.77	Pass
			25	21.23	0.57	19.65	<=34.77	Pass
		50	0	21.36	0.57	19.78	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B12_1.4MHz

2.1.1 Test Result

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	-3.605	-0.0052	-2.5 to 2.5	Pass
					3.85	-7.496	-0.0107	-2.5 to 2.5	Pass
					4.43	-5.336	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-4.678	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-8.454	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-5.536	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-5.693	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-3.576	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-3.047	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-7.124	-0.0102	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-2.260	-0.0032	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
					4.43	-8.054	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.475	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-6.166	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-1.087	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-7.882	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-5.908	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-6.380	-0.0089	-2.5 to 2.5	Pass
					3.85	-9.513	-0.0133	-2.5 to 2.5	Pass
					4.43	-5.221	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-3.748	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-5.608	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-4.091	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-4.292	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-6.394	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-4.292	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-5.550	-0.0078	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-5.479	-0.0078	-2.5 to 2.5	Pass
					3.85	-11.058	-0.0158	-2.5 to 2.5	Pass
					4.43	-6.909	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-9.956	-0.0142	-2.5 to 2.5	Pass
				-10	3.85	-9.069	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-6.537	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-2.189	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-7.582	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-8.526	-0.0122	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-6.237	-0.0088	-2.5 to 2.5	Pass
					3.85	-3.777	-0.0053	-2.5 to 2.5	Pass
					4.43	-2.131	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-10.529	-0.0149	-2.5 to 2.5	Pass
				-20	3.85	-3.290	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-1.817	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-5.836	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0055	-2.5 to 2.5	Pass

				30	3.85	-7.668	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-6.495	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-6.766	-0.0096	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-9.127	-0.0128	-2.5 to 2.5	Pass
					3.85	-8.640	-0.0121	-2.5 to 2.5	Pass
					4.43	1.159	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.292	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-5.794	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-7.811	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-6.037	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-6.266	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-8.411	-0.0118	-2.5 to 2.5	Pass

2.2 B12_3MHz

2.2.1 Test Result

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	-5.994	-0.0086	-2.5 to 2.5	Pass
					3.85	-4.964	-0.0071	-2.5 to 2.5	Pass
					4.43	-2.475	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-5.050	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-8.183	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-3.462	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-3.591	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-6.695	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-10.600	-0.0151	-2.5 to 2.5	Pass
				50	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-9.127	-0.0129	-2.5 to 2.5	Pass
					3.85	-5.379	-0.0076	-2.5 to 2.5	Pass
					4.43	-6.180	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-7.467	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-4.549	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-9.642	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-5.136	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-8.669	-0.0123	-2.5 to 2.5	Pass
				50	3.85	-7.510	-0.0106	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-2.747	-0.0038	-2.5 to 2.5	Pass
					3.85	-10.529	-0.0147	-2.5 to 2.5	Pass
					4.43	-10.285	-0.0144	-2.5 to 2.5	Pass
				-30	3.85	-4.277	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-2.632	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-7.267	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-10.929	-0.0153	-2.5 to 2.5	Pass
				10	3.85	-13.504	-0.0189	-2.5 to 2.5	Pass

				30	3.85	-6.595	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-8.411	-0.0118	-2.5 to 2.5	Pass
				50	3.85	-8.454	-0.0118	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-4.177	-0.0060	-2.5 to 2.5	Pass
					3.85	-6.022	-0.0086	-2.5 to 2.5	Pass
					4.43	-9.012	-0.0129	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-7.238	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-3.533	-0.0050	-2.5 to 2.5	Pass
				0	3.85	0.944	0.0013	-2.5 to 2.5	Pass
				10	3.85	-7.296	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-3.991	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-6.266	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-3.934	-0.0056	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-6.123	-0.0087	-2.5 to 2.5	Pass
					3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
					4.43	-6.866	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-5.150	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-6.251	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-5.836	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-8.569	-0.0121	-2.5 to 2.5	Pass
				10	3.85	-7.267	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-5.822	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-6.266	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0080	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-4.878	-0.0068	-2.5 to 2.5	Pass
					3.85	-8.240	-0.0115	-2.5 to 2.5	Pass
					4.43	-7.796	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-9.942	-0.0139	-2.5 to 2.5	Pass
				-20	3.85	-2.317	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-6.423	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-11.430	-0.0160	-2.5 to 2.5	Pass
				10	3.85	-11.458	-0.0160	-2.5 to 2.5	Pass
				30	3.85	-7.753	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-5.436	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-10.214	-0.0143	-2.5 to 2.5	Pass

2.3 B12_5MHz

2.3.1 Test Result

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	-12.159	-0.0173	-2.5 to 2.5	Pass
					3.85	-6.809	-0.0097	-2.5 to 2.5	Pass
					4.43	-2.131	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-8.841	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-5.279	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-6.881	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-8.712	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-4.191	-0.0060	-2.5 to 2.5	Pass

				30	3.85	-9.255	-0.0132	-2.5 to 2.5	Pass
				40	3.85	-7.367	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-7.925	-0.0113	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-4.320	-0.0061	-2.5 to 2.5	Pass
					3.85	-8.497	-0.0120	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-10.657	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-7.396	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-7.524	-0.0106	-2.5 to 2.5	Pass
				0	3.85	-5.536	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-11.244	-0.0159	-2.5 to 2.5	Pass
				30	3.85	-3.948	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-9.727	-0.0137	-2.5 to 2.5	Pass
				50	3.85	-9.856	-0.0139	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-7.482	-0.0105	-2.5 to 2.5	Pass
					3.85	-8.283	-0.0116	-2.5 to 2.5	Pass
					4.43	-5.693	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-8.583	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-8.283	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-8.440	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-7.839	-0.0110	-2.5 to 2.5	Pass
				10	3.85	-5.865	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-8.984	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-10.672	-0.0150	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-7.768	-0.0111	-2.5 to 2.5	Pass
					3.85	-6.595	-0.0094	-2.5 to 2.5	Pass
					4.43	-7.410	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-4.406	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-4.992	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-7.639	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-5.879	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-4.220	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-8.669	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-9.527	-0.0136	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.323	-0.0089	-2.5 to 2.5	Pass
					3.85	-8.798	-0.0124	-2.5 to 2.5	Pass
					4.43	-4.020	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-4.792	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-6.723	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-5.207	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-3.877	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-6.323	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-2.460	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-8.869	-0.0125	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-8.869	-0.0124	-2.5 to 2.5	Pass
					3.85	-7.911	-0.0111	-2.5 to 2.5	Pass
					4.43	-4.992	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-7.939	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-6.137	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-2.918	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-5.636	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-8.082	-0.0113	-2.5 to 2.5	Pass

				30	3.85	-7.968	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-6.309	-0.0088	-2.5 to 2.5	Pass

2.4 B12_10MHz

2.4.1 Test Result

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	-3.777	-0.0054	-2.5 to 2.5	Pass
					3.85	-5.980	-0.0085	-2.5 to 2.5	Pass
					4.43	-6.523	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-10.314	-0.0147	-2.5 to 2.5	Pass
				-20	3.85	-6.194	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-2.275	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-5.836	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-9.985	-0.0142	-2.5 to 2.5	Pass
				40	3.85	-4.649	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-3.762	-0.0053	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-3.204	-0.0045	-2.5 to 2.5	Pass
					3.85	-8.698	-0.0123	-2.5 to 2.5	Pass
					4.43	-9.313	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-7.195	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-4.950	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-3.991	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-3.676	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-7.095	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-7.854	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-4.935	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-8.311	-0.0117	-2.5 to 2.5	Pass
					3.85	-4.535	-0.0064	-2.5 to 2.5	Pass
					4.43	-3.977	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-7.639	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-5.736	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-8.111	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-6.824	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-9.155	-0.0129	-2.5 to 2.5	Pass
				40	3.85	-7.796	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-4.864	-0.0068	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-4.077	-0.0058	-2.5 to 2.5	Pass
					3.85	-5.693	-0.0081	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-5.136	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-5.236	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-5.579	-0.0079	-2.5 to 2.5	Pass

				30	3.85	-7.410	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-4.005	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-3.691	-0.0052	-2.5 to 2.5	Pass
					3.85	-8.955	-0.0127	-2.5 to 2.5	Pass
					4.43	-8.583	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-6.437	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-6.838	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-6.452	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-7.696	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-6.938	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-2.518	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-7.825	-0.0111	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-1.616	-0.0023	-2.5 to 2.5	Pass
					3.85	-5.193	-0.0073	-2.5 to 2.5	Pass
					4.43	-3.991	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-7.381	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-5.894	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-5.550	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-8.168	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-7.195	-0.0101	-2.5 to 2.5	Pass
				50	3.85	-7.811	-0.0110	-2.5 to 2.5	Pass

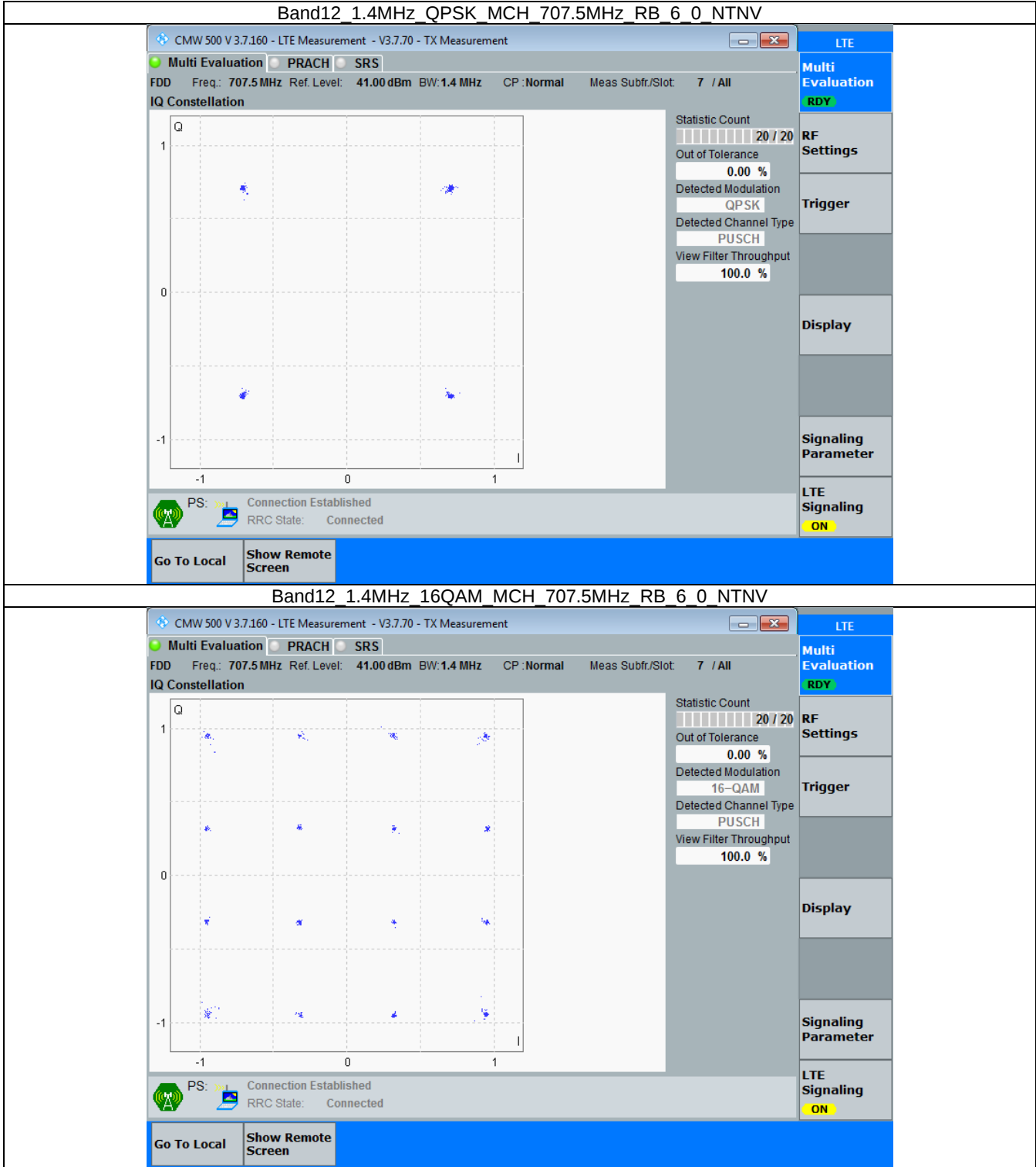
3. Modulation Characteristics

3.1 B12_1.4MHz

3.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTV						
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 Test Graph

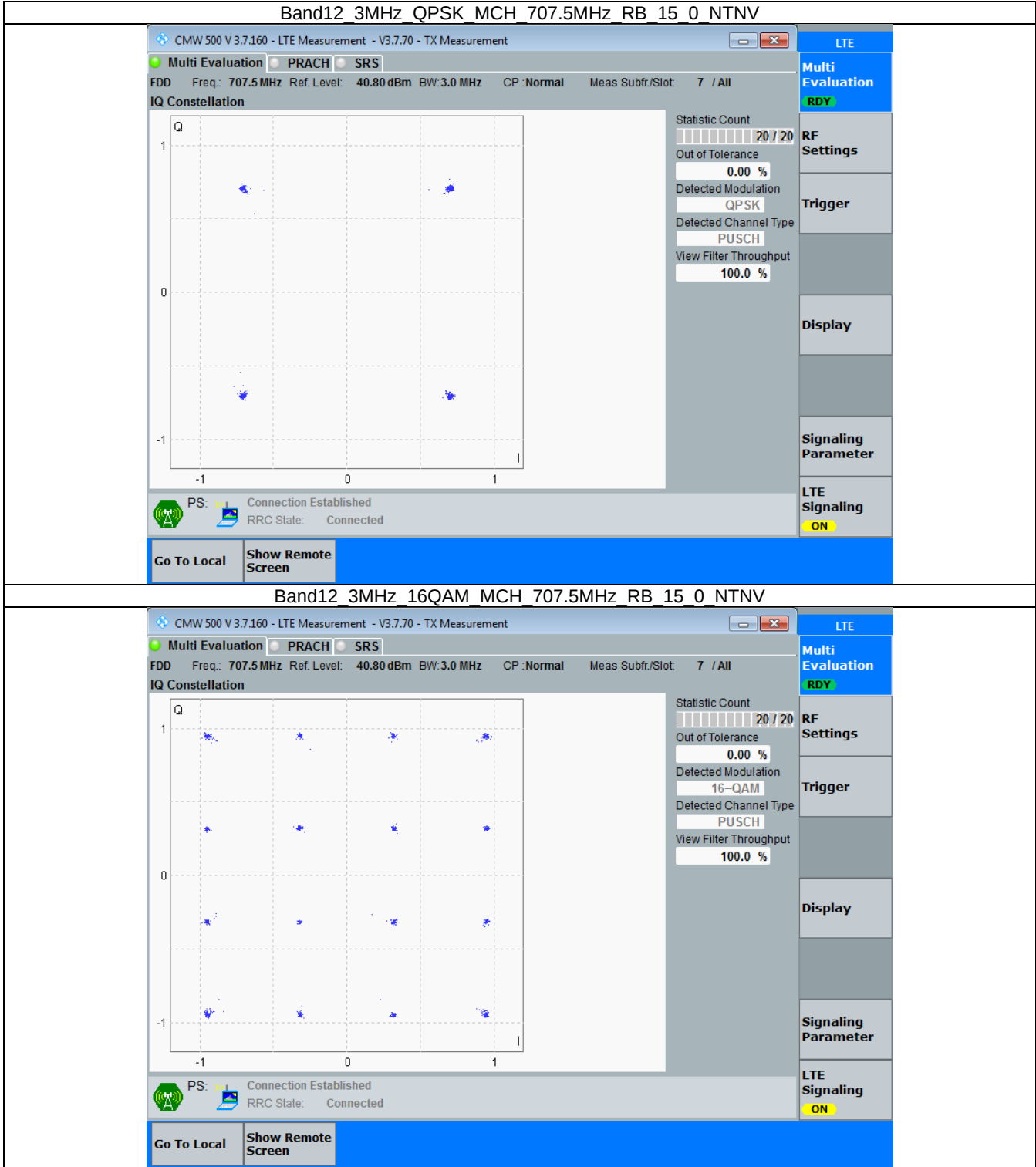


3.2 B12_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph

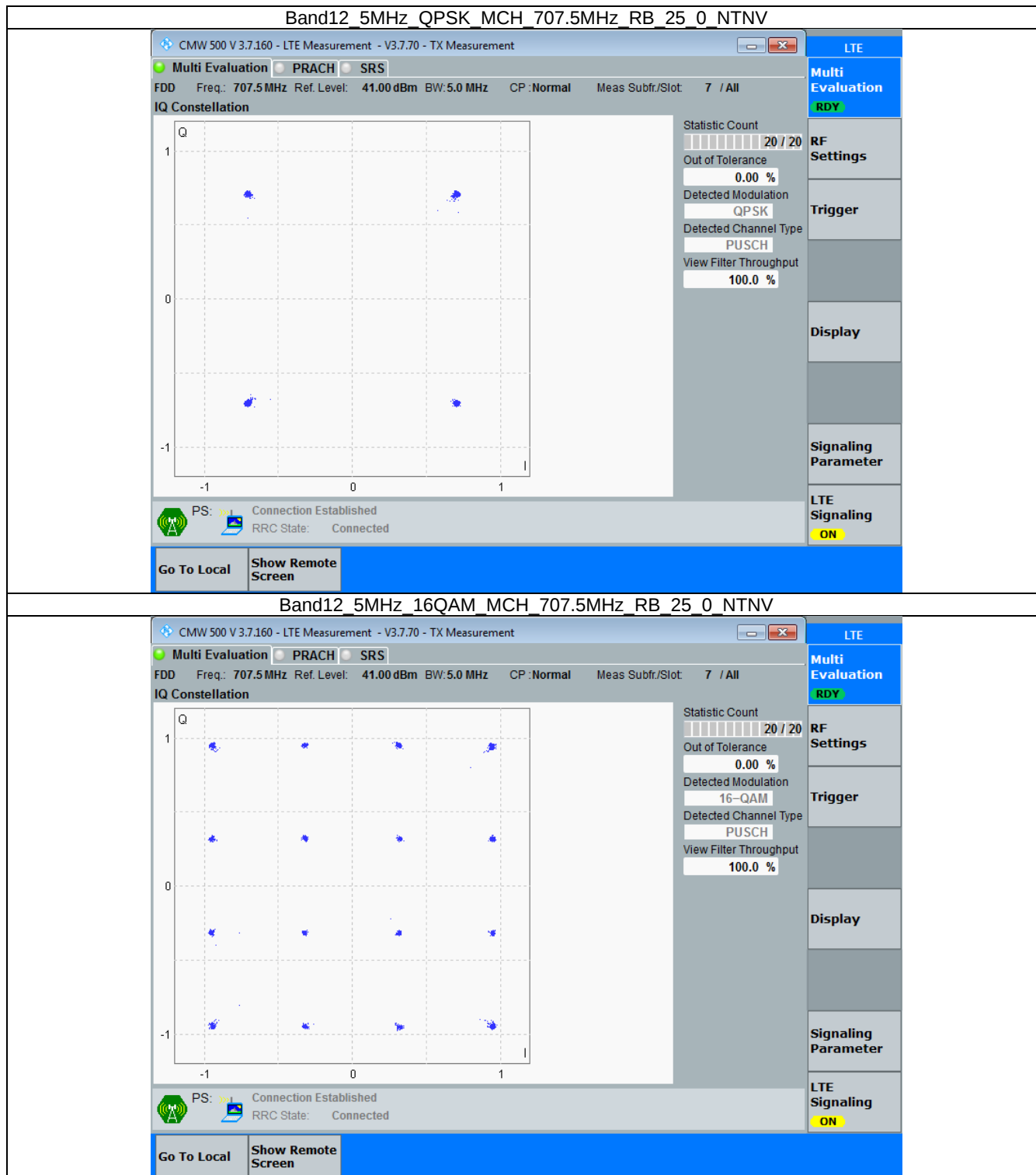


3.3 B12_5MHz

3.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTV						
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

3.3.2 Test Graph

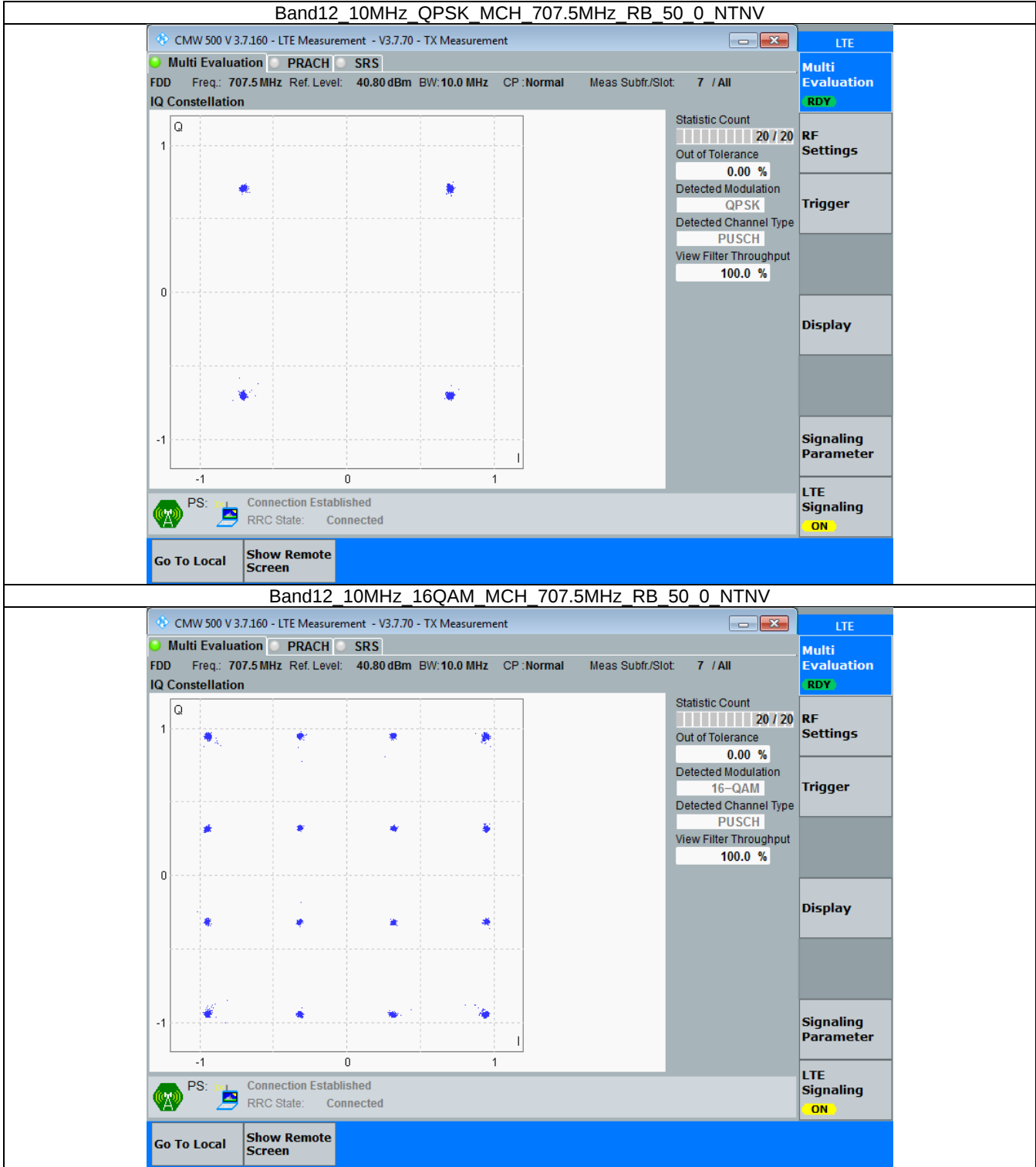


3.4 B12_10MHz

3.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTV						
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

3.4.2 Test Graph



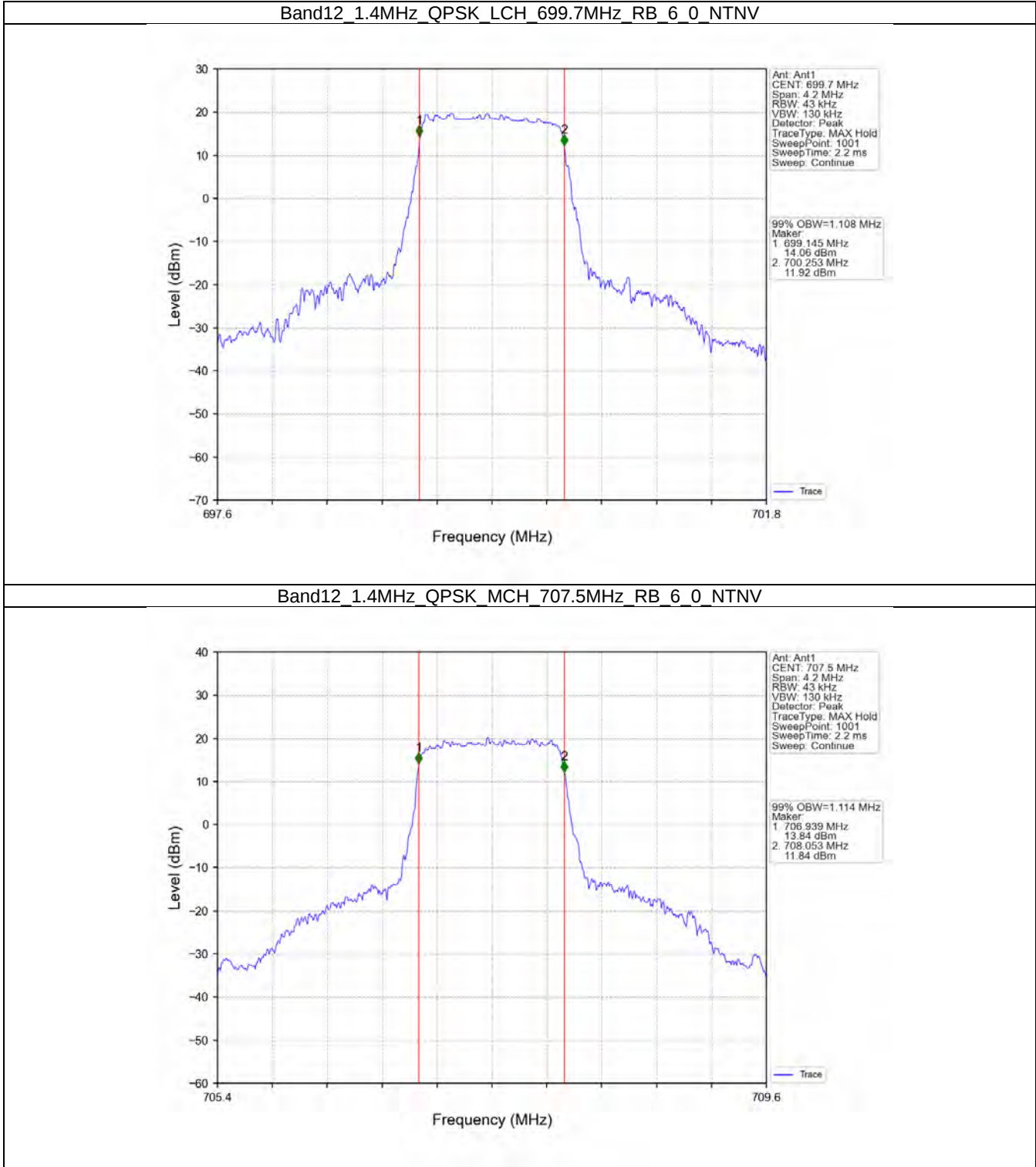
4. 99% & 26dB Bandwidth

4.1 Band12_OBW

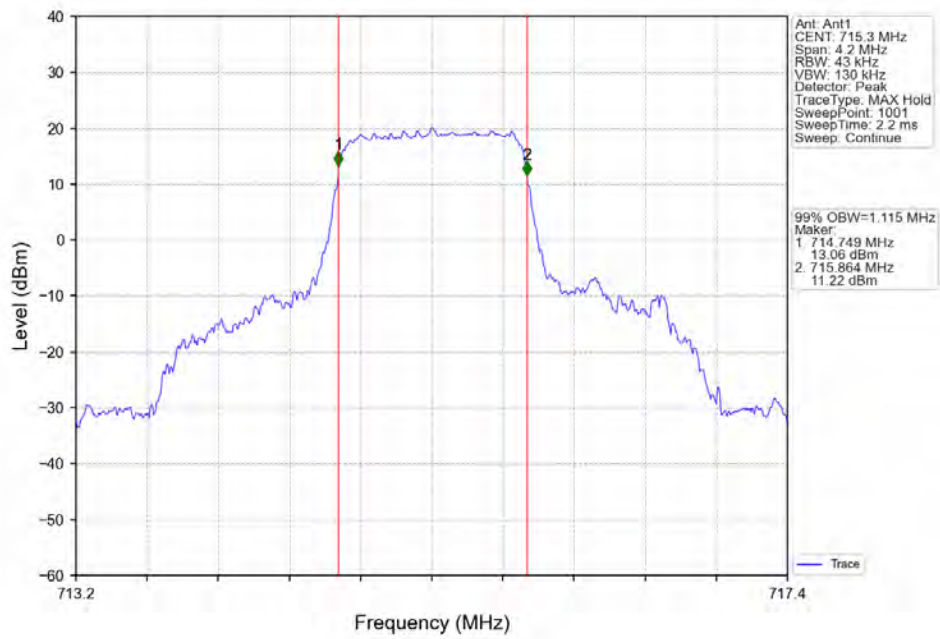
4.1.1 Test Result

Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.108	Pass
		707.5	6	0	1.114	Pass
		715.3	6	0	1.115	Pass
	16QAM	699.7	6	0	1.101	Pass
		707.5	6	0	1.108	Pass
		715.3	6	0	1.107	Pass
3	QPSK	700.5	15	0	2.727	Pass
		707.5	15	0	2.724	Pass
		714.5	15	0	2.737	Pass
	16QAM	700.5	15	0	2.725	Pass
		707.5	15	0	2.720	Pass
		714.5	15	0	2.726	Pass
5	QPSK	701.5	25	0	4.581	Pass
		707.5	25	0	4.568	Pass
		713.5	25	0	4.590	Pass
	16QAM	701.5	25	0	4.615	Pass
		707.5	25	0	4.540	Pass
		713.5	25	0	4.612	Pass
10	QPSK	704	50	0	9.103	Pass
		707.5	50	0	8.974	Pass
		711	50	0	9.050	Pass
	16QAM	704	50	0	9.140	Pass
		707.5	50	0	8.963	Pass
		711	50	0	9.055	Pass

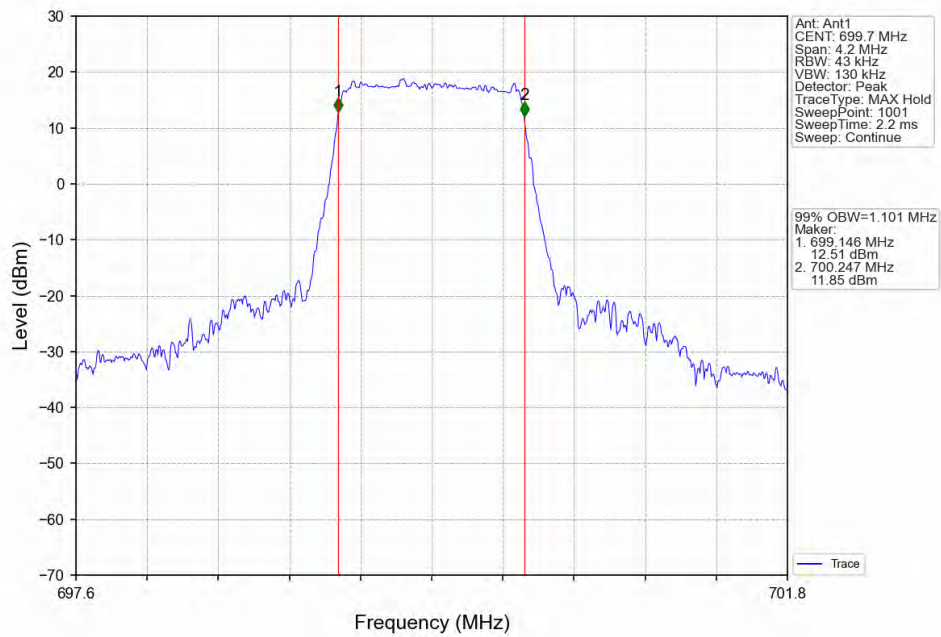
4.1.2 Test Graph



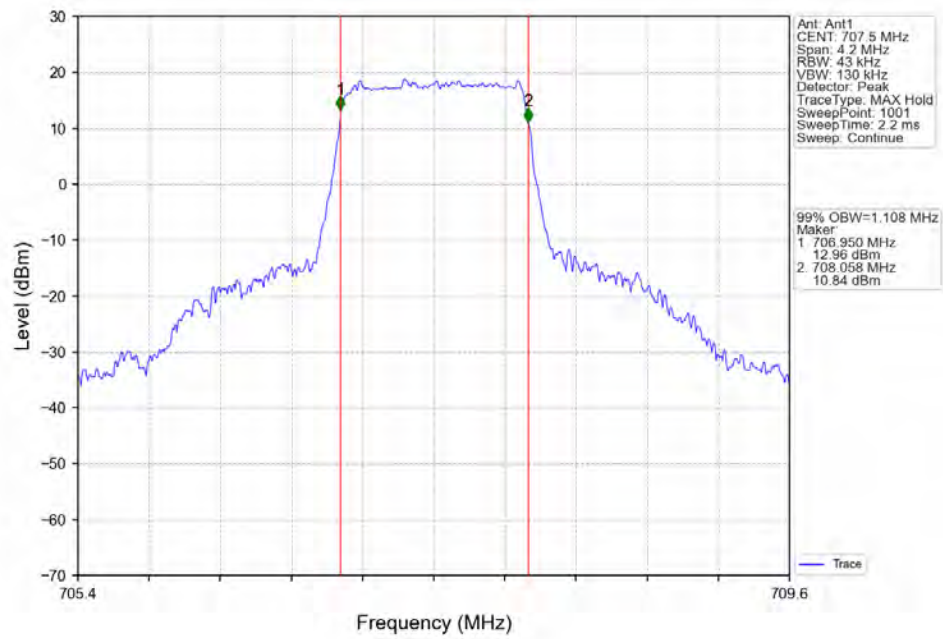
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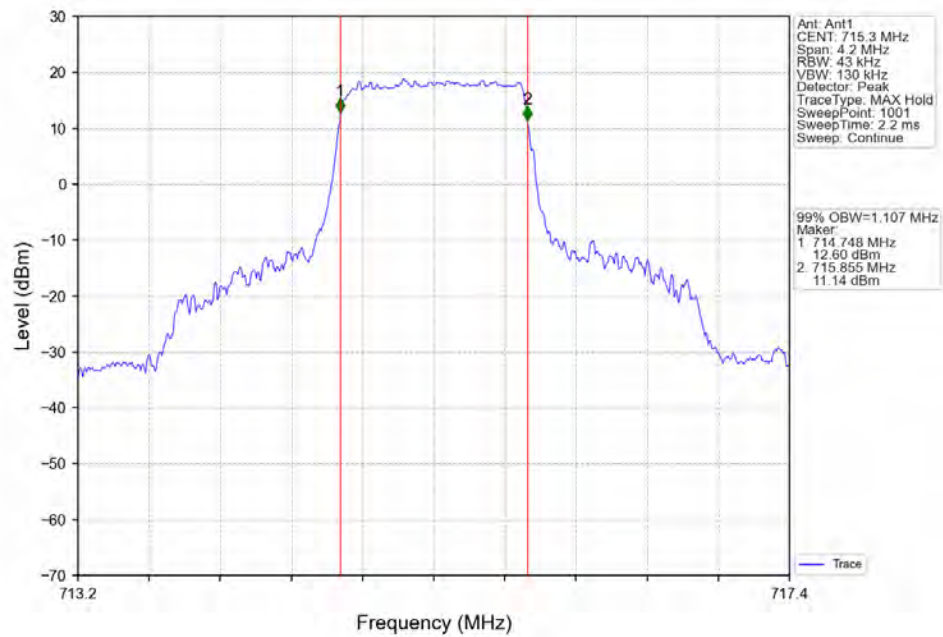
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



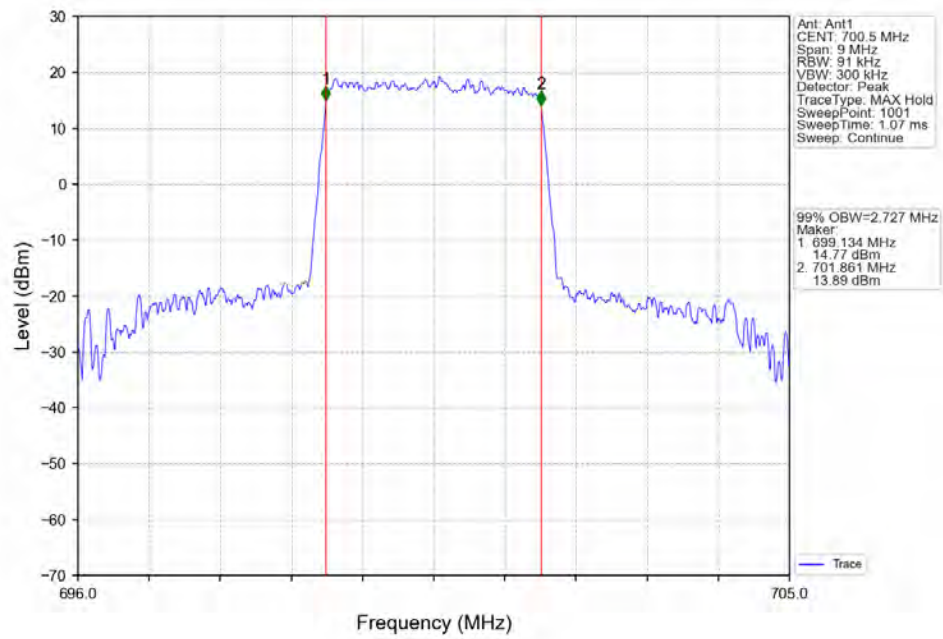
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



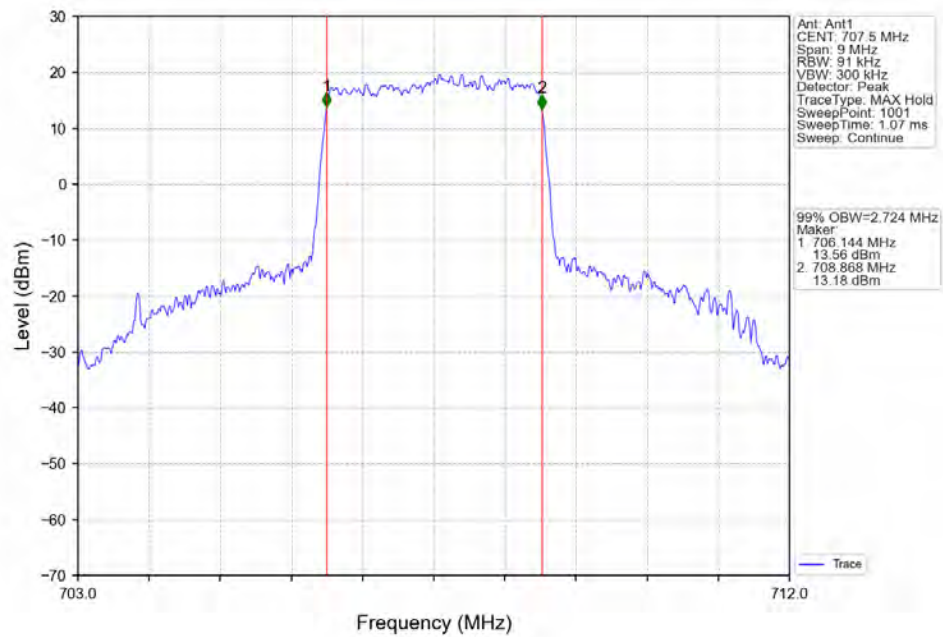
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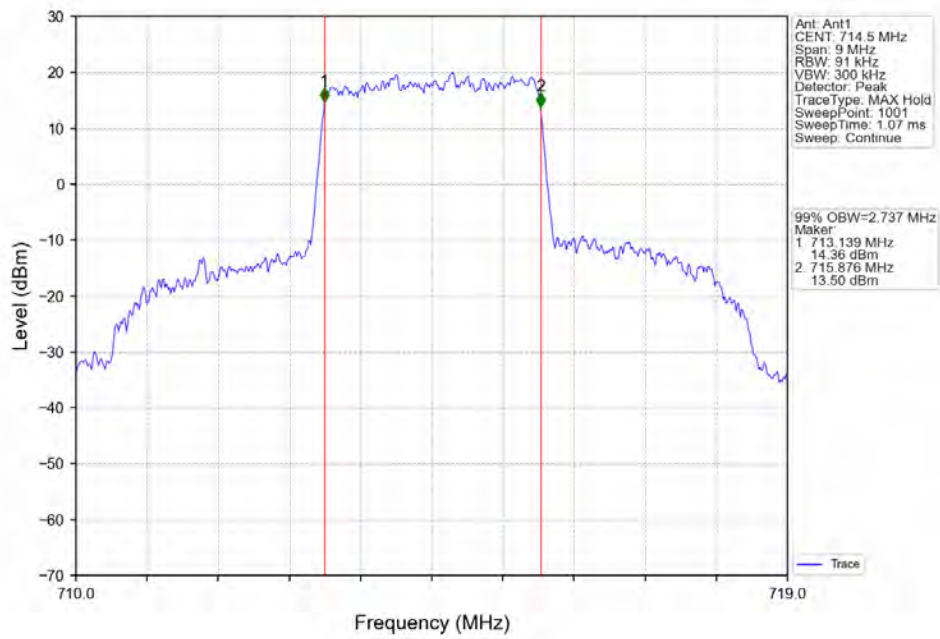
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



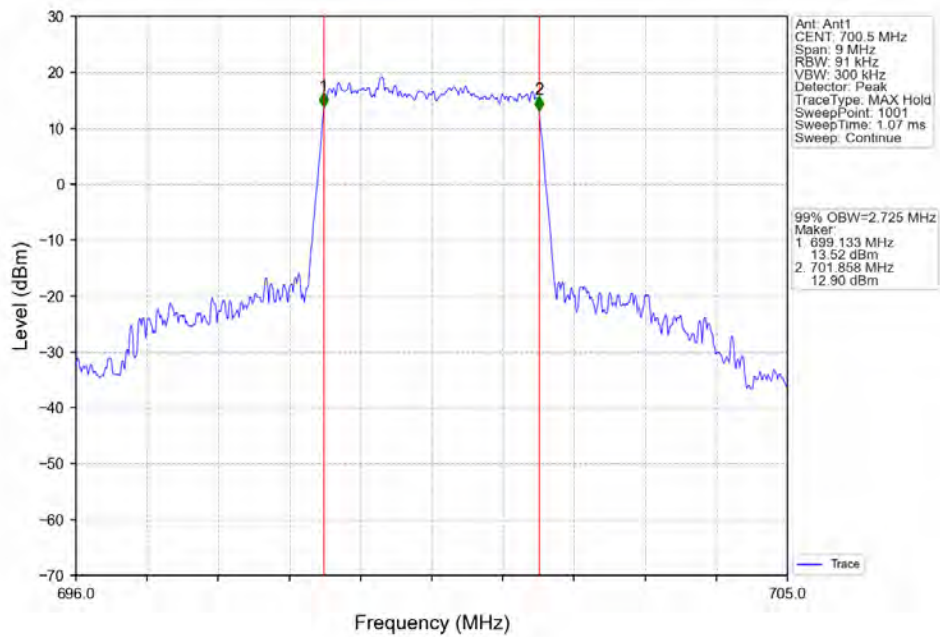
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



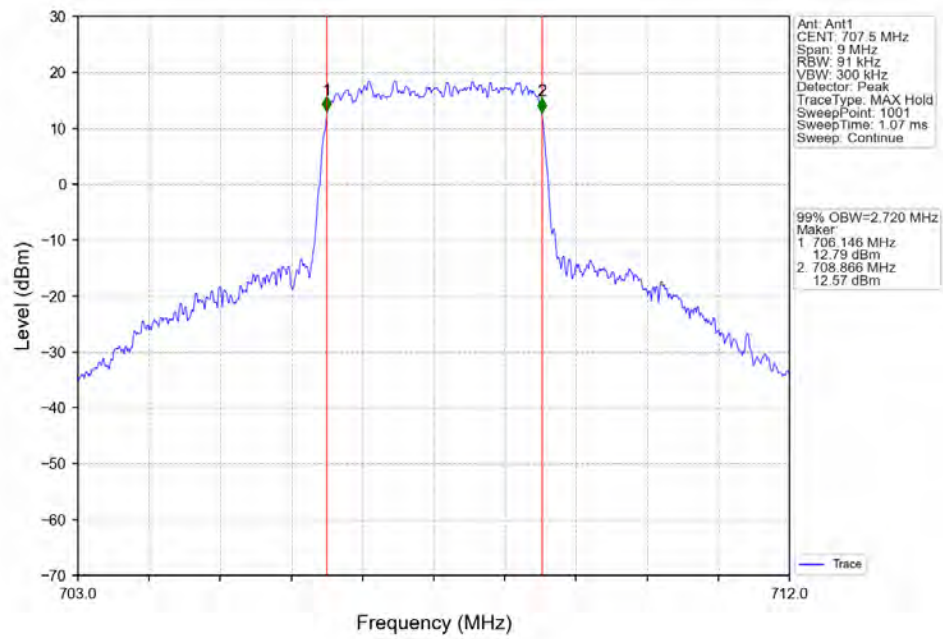
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



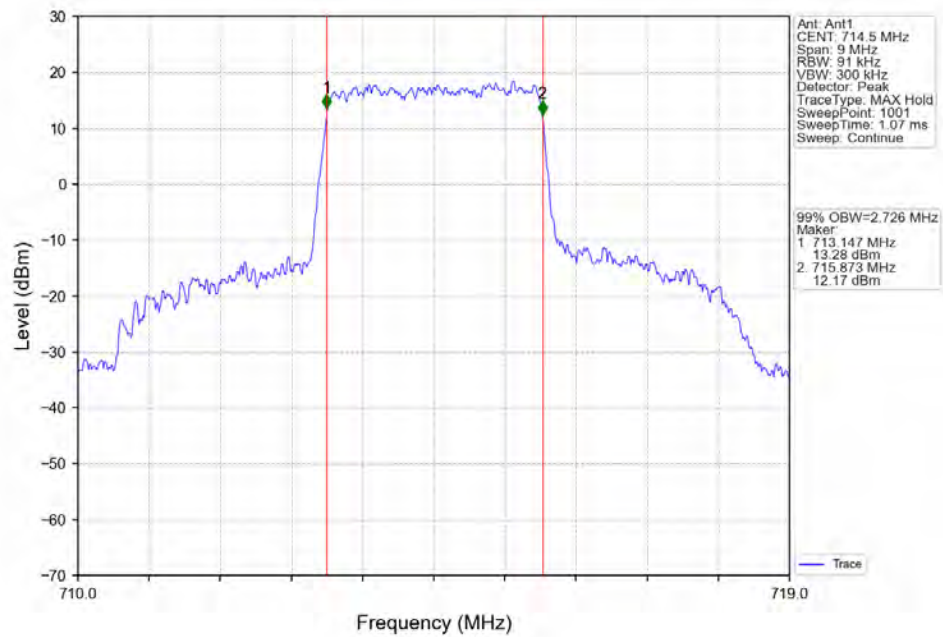
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



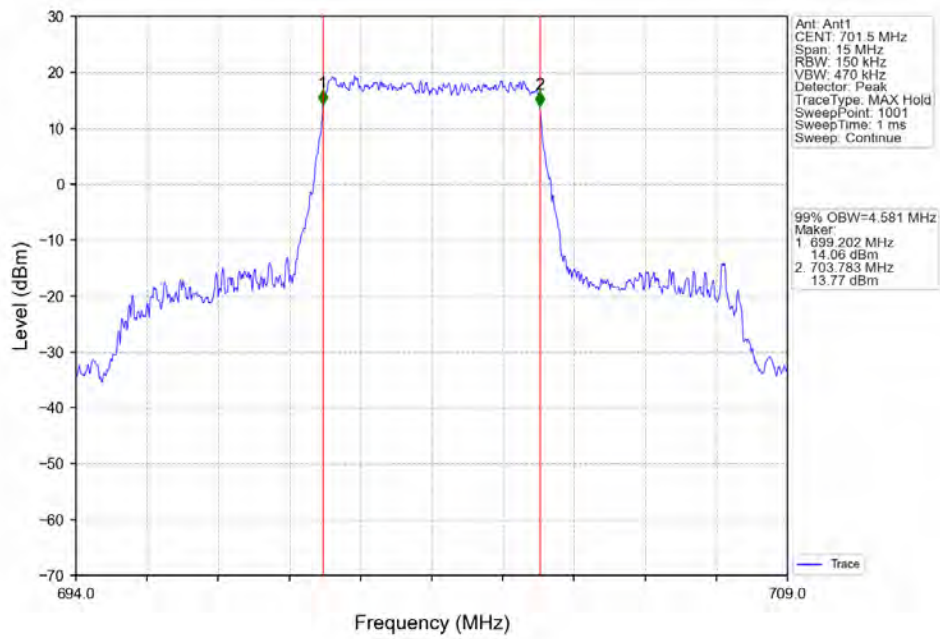
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



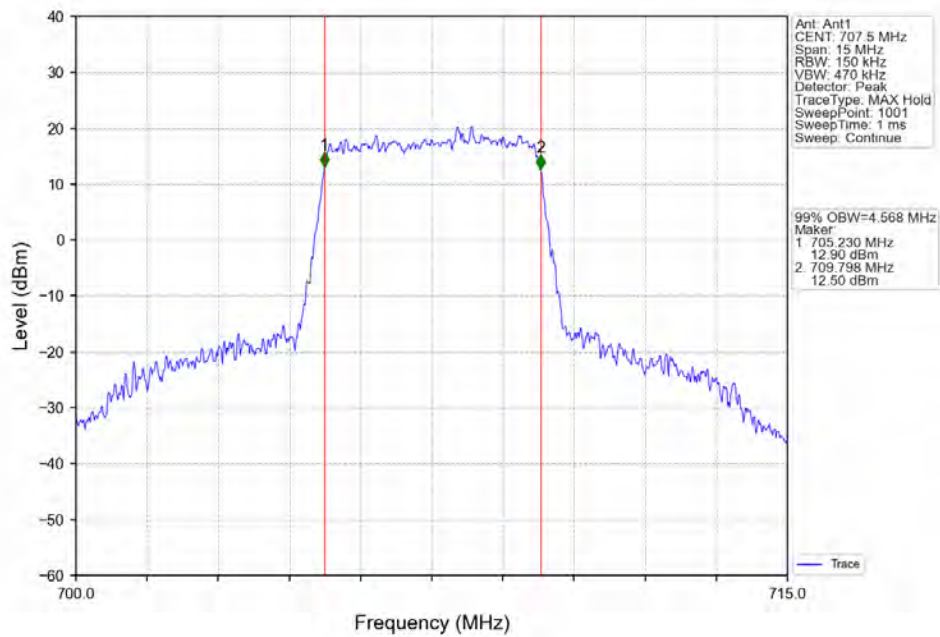
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



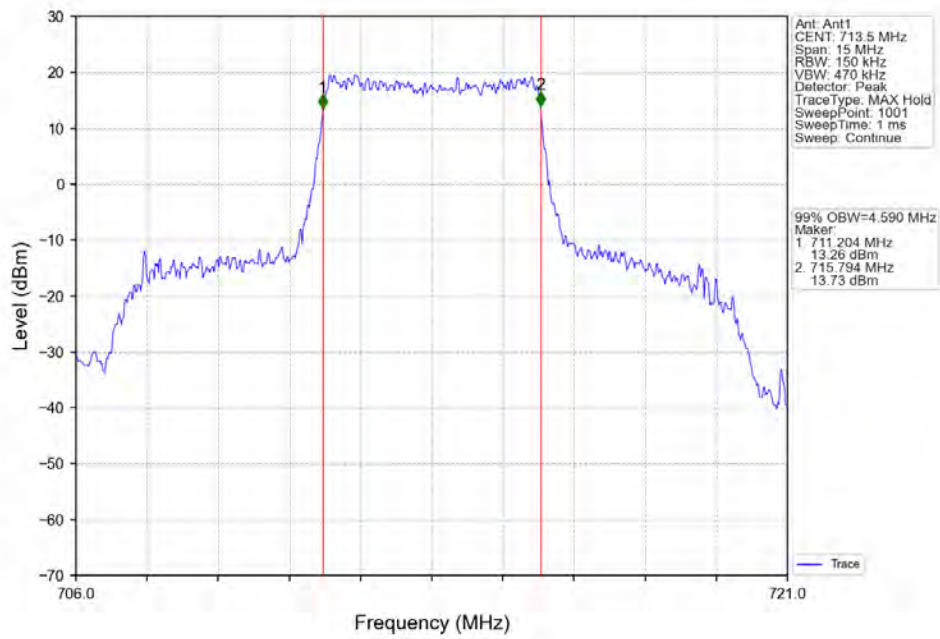
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



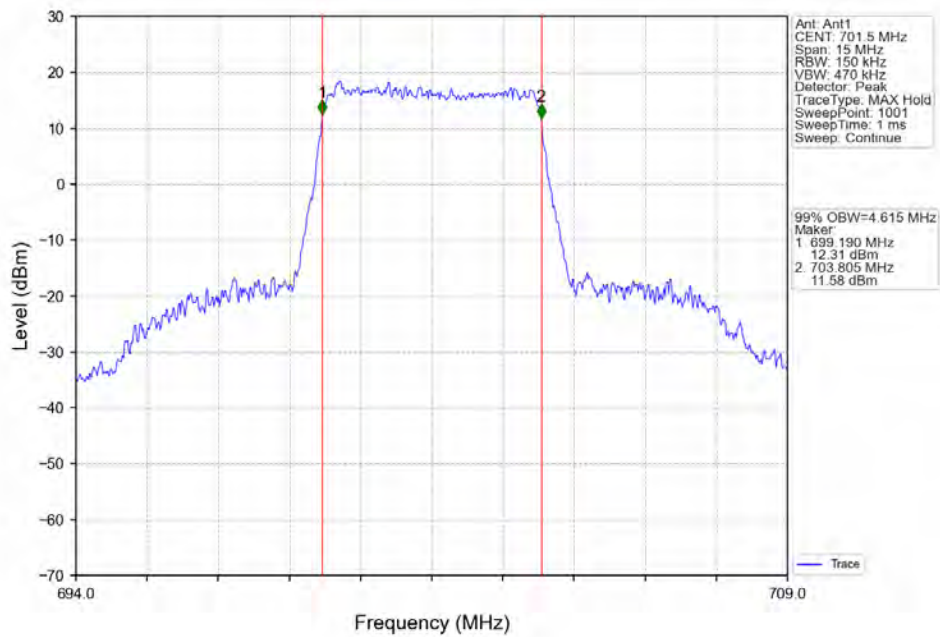
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



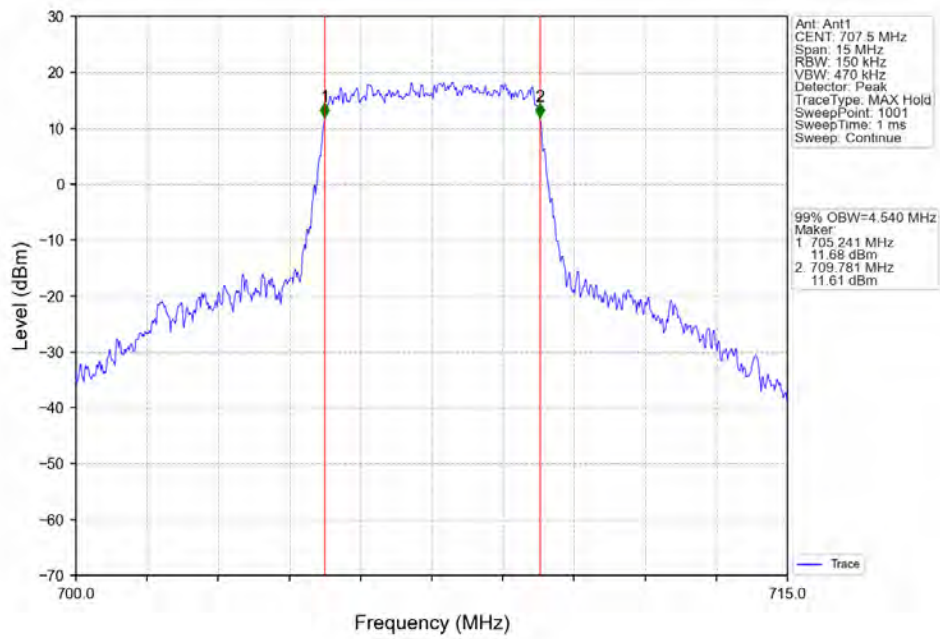
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



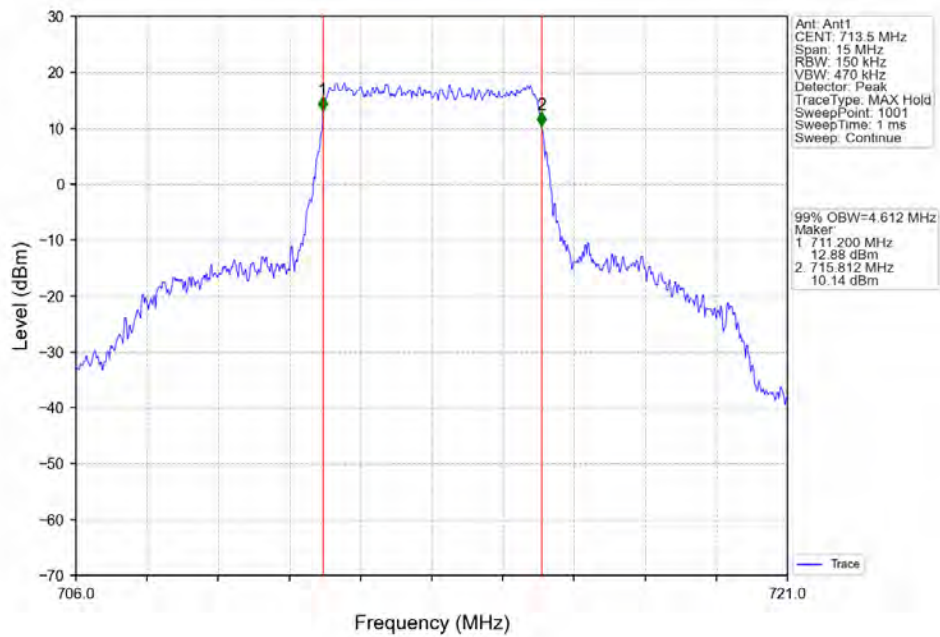
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



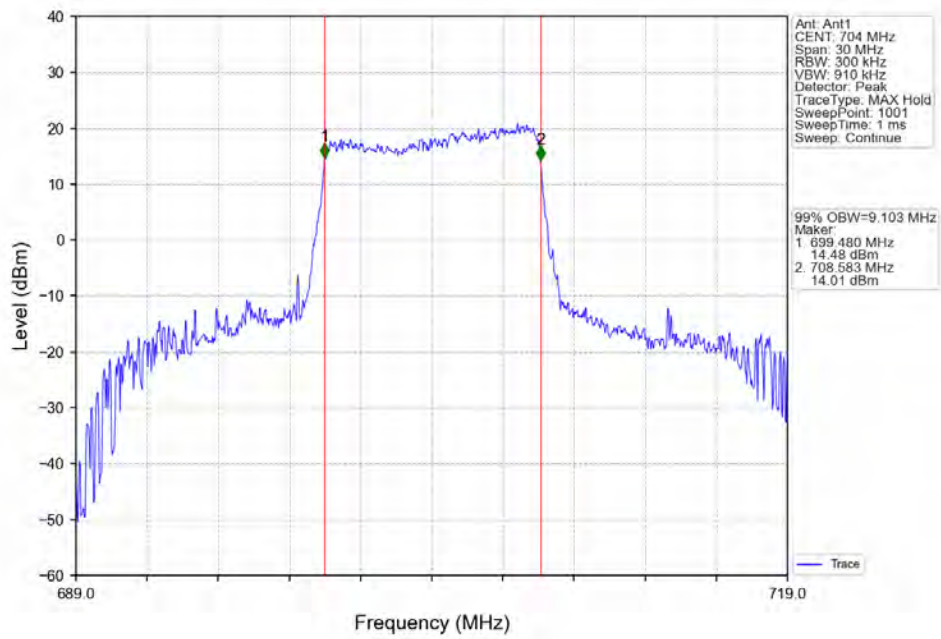
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



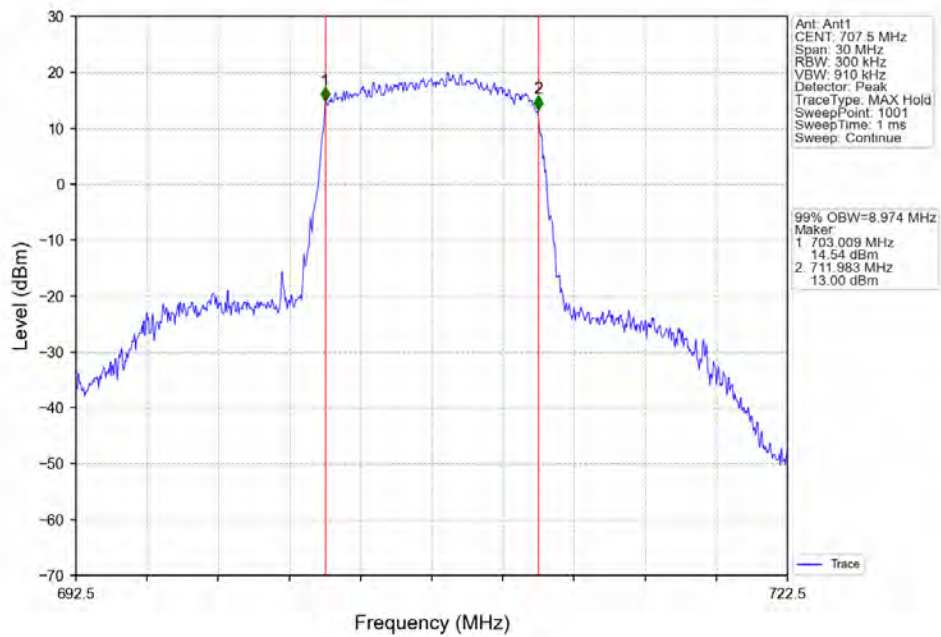
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



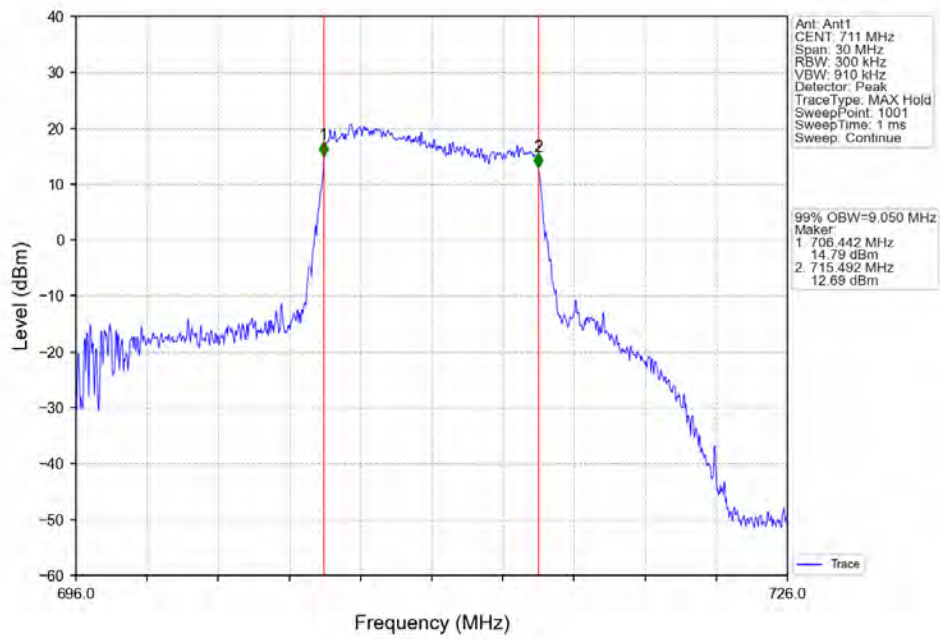
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



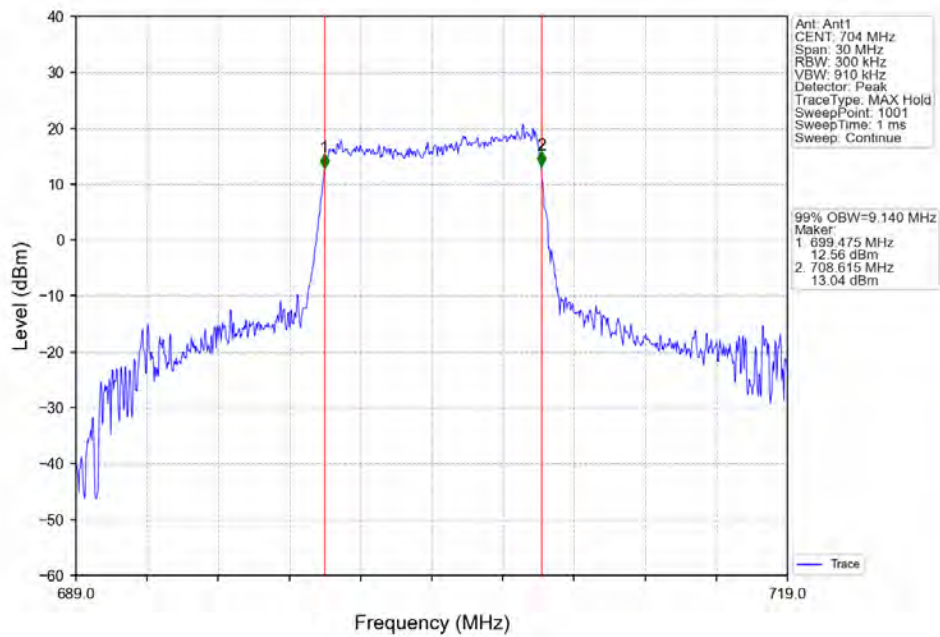
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



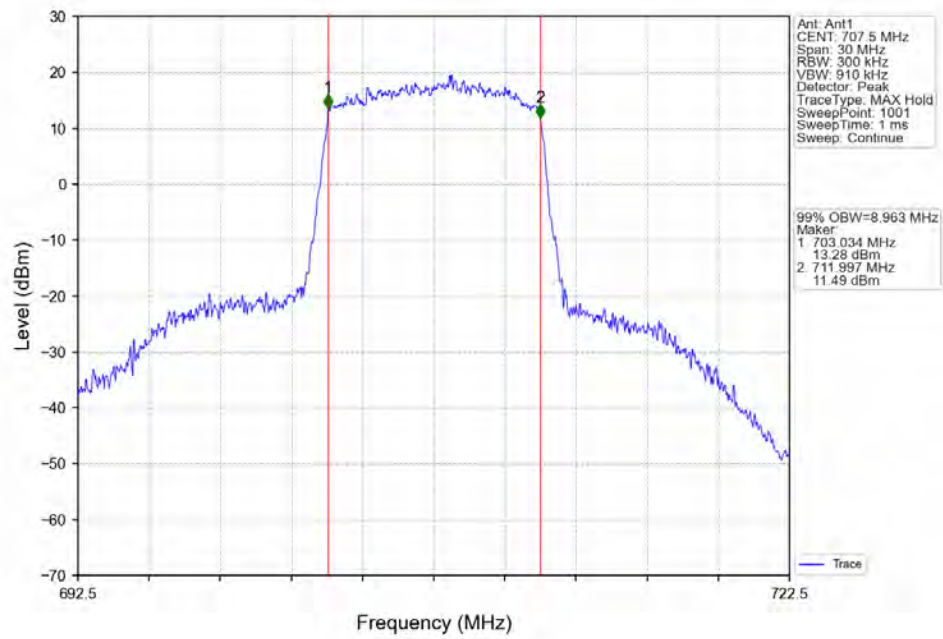
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



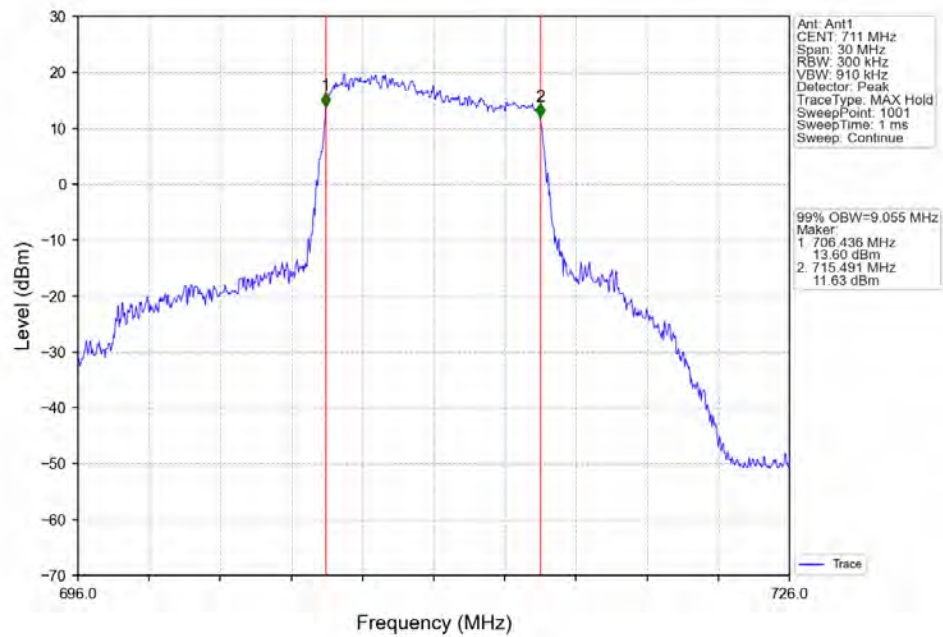
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

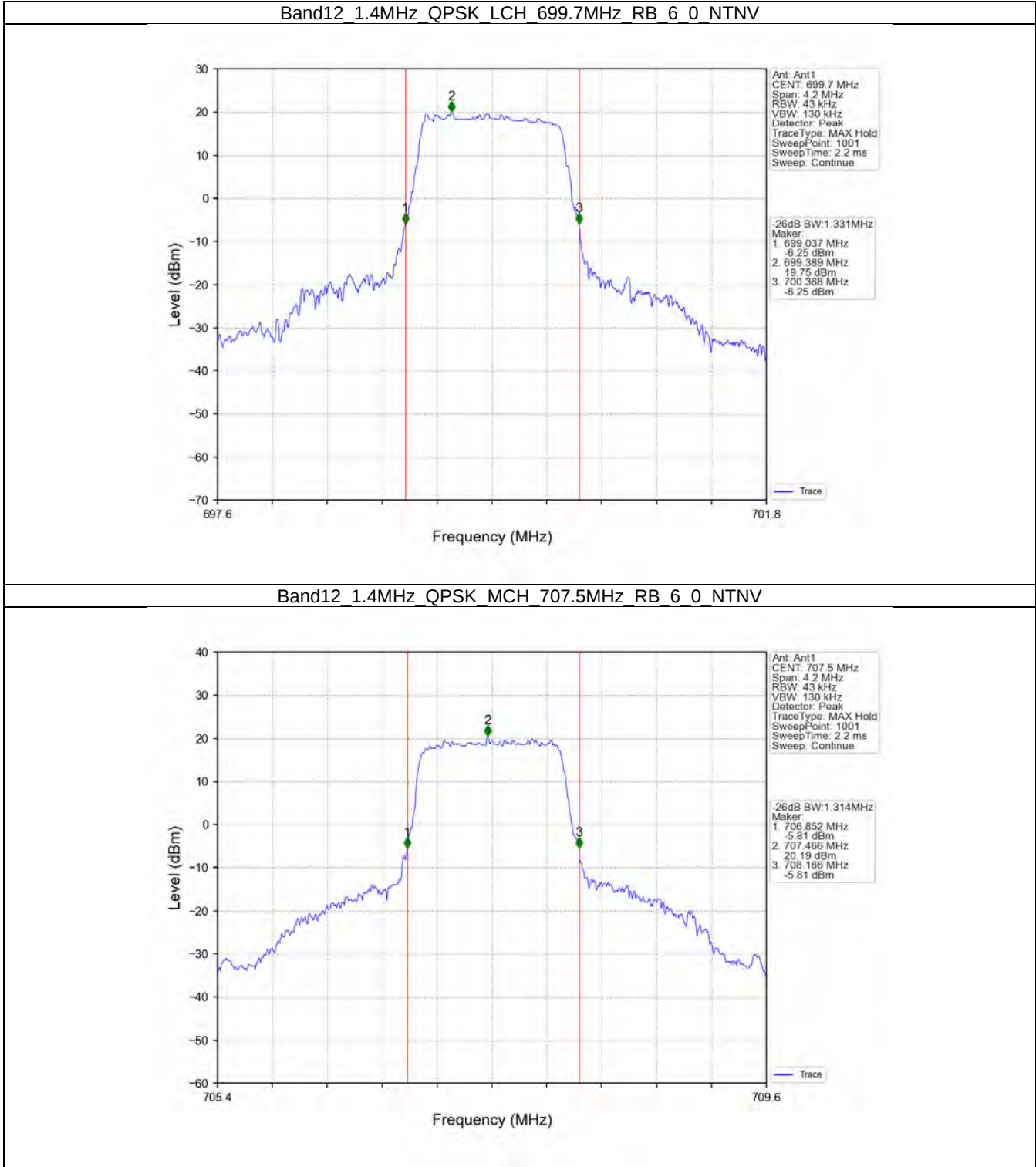


4.2 Band12_XDB

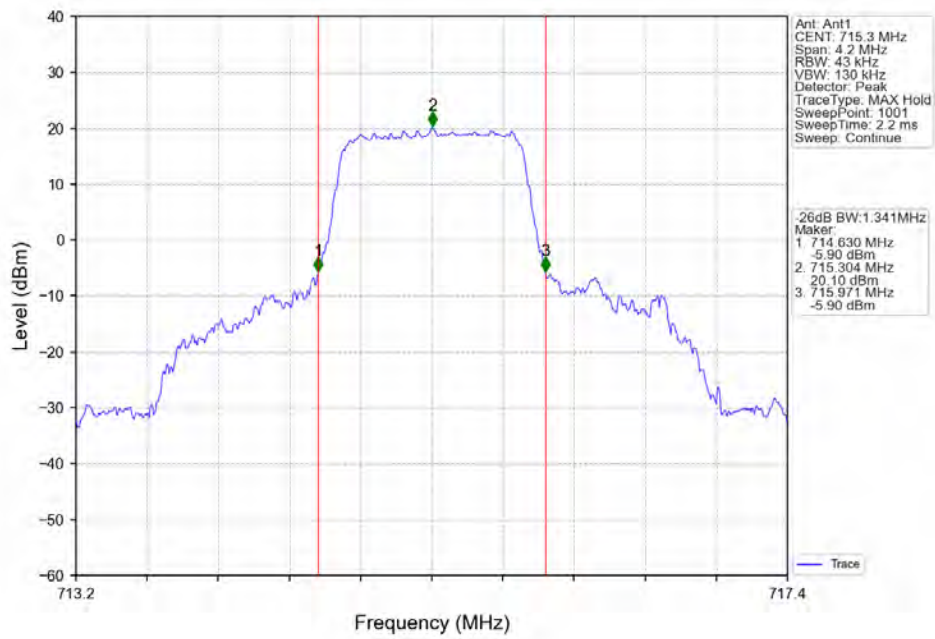
4.2.1 Test Result

Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.331	Pass
		707.5	6	0	1.314	Pass
		715.3	6	0	1.341	Pass
	16QAM	699.7	6	0	1.307	Pass
		707.5	6	0	1.306	Pass
		715.3	6	0	1.309	Pass
3	QPSK	700.5	15	0	3.003	Pass
		707.5	15	0	2.978	Pass
		714.5	15	0	3.006	Pass
	16QAM	700.5	15	0	2.986	Pass
		707.5	15	0	2.975	Pass
		714.5	15	0	3.037	Pass
5	QPSK	701.5	25	0	5.314	Pass
		707.5	25	0	5.169	Pass
		713.5	25	0	5.359	Pass
	16QAM	701.5	25	0	5.331	Pass
		707.5	25	0	5.177	Pass
		713.5	25	0	5.363	Pass
10	QPSK	704	50	0	10.225	Pass
		707.5	50	0	10.059	Pass
		711	50	0	10.253	Pass
	16QAM	704	50	0	10.206	Pass
		707.5	50	0	9.959	Pass
		711	50	0	10.062	Pass

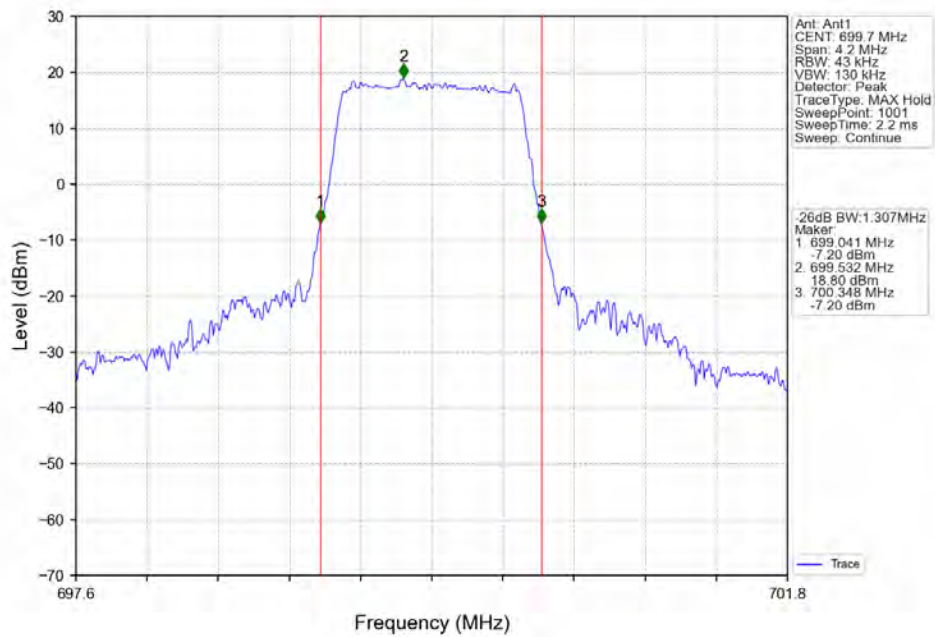
4.2.2 Test Graph



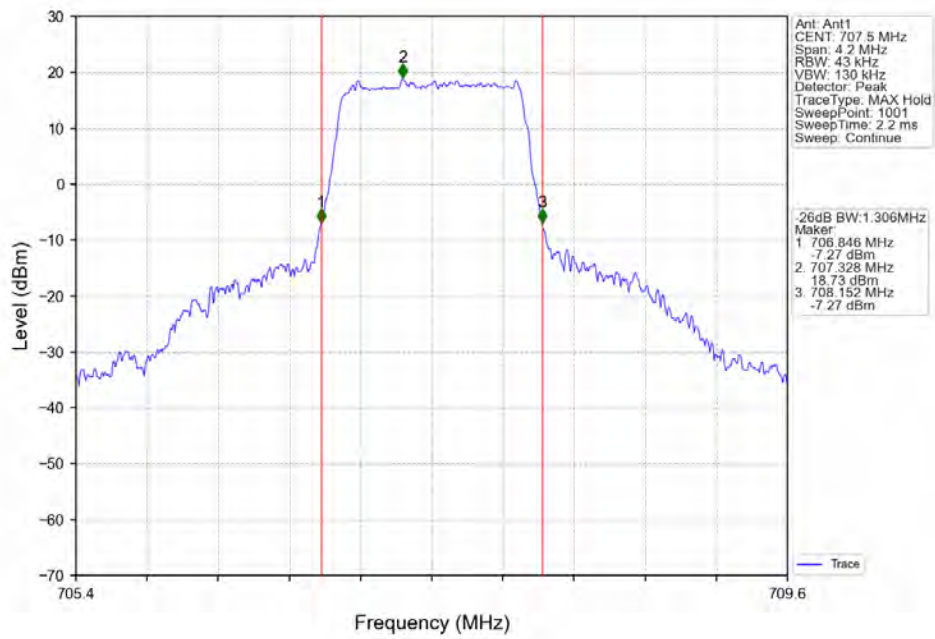
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



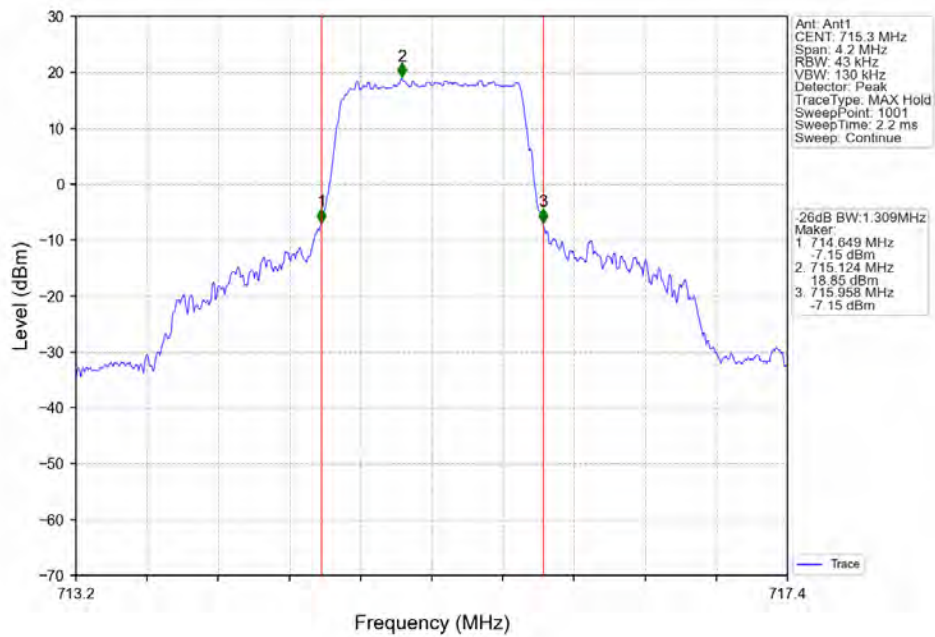
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



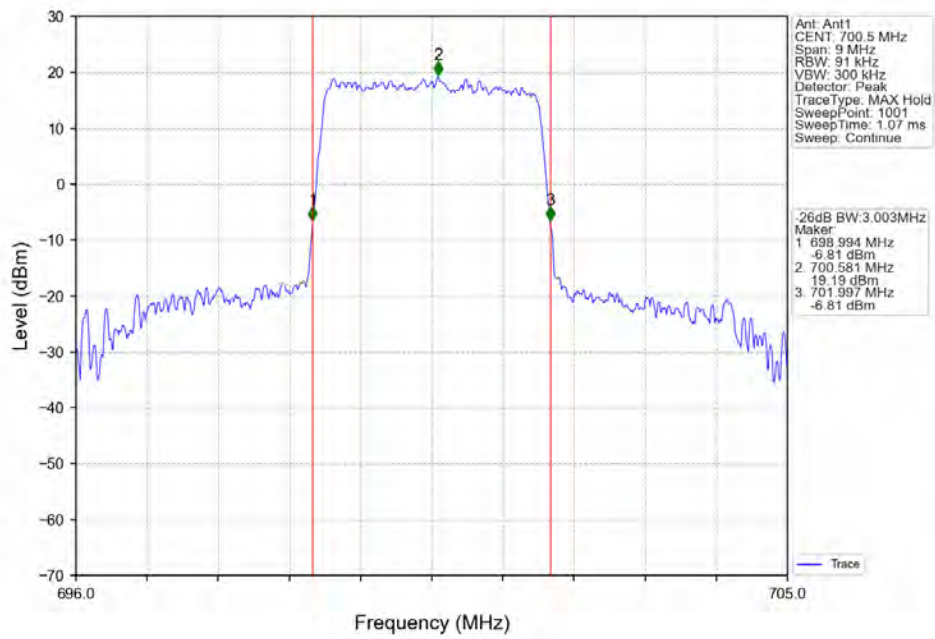
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



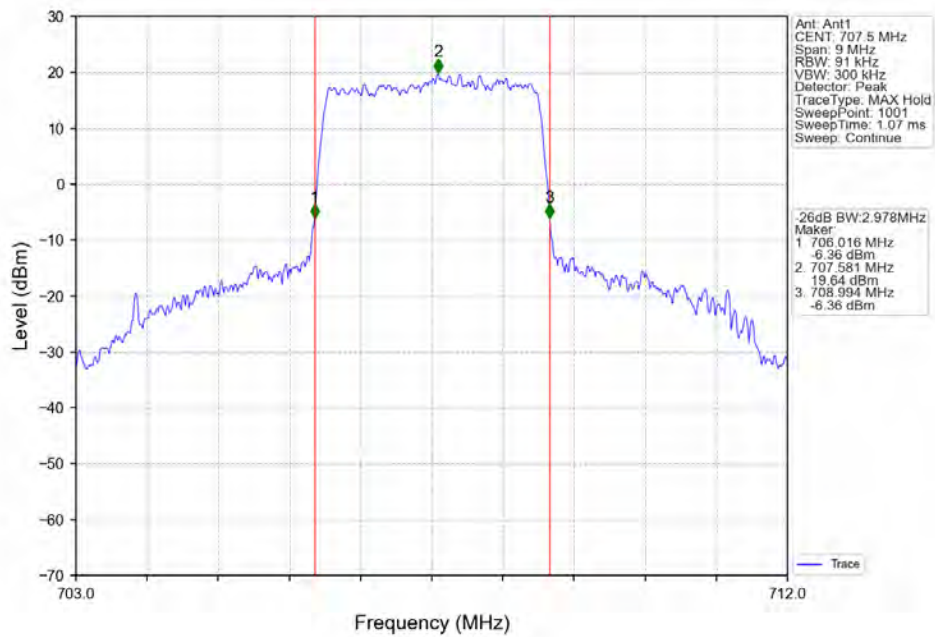
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



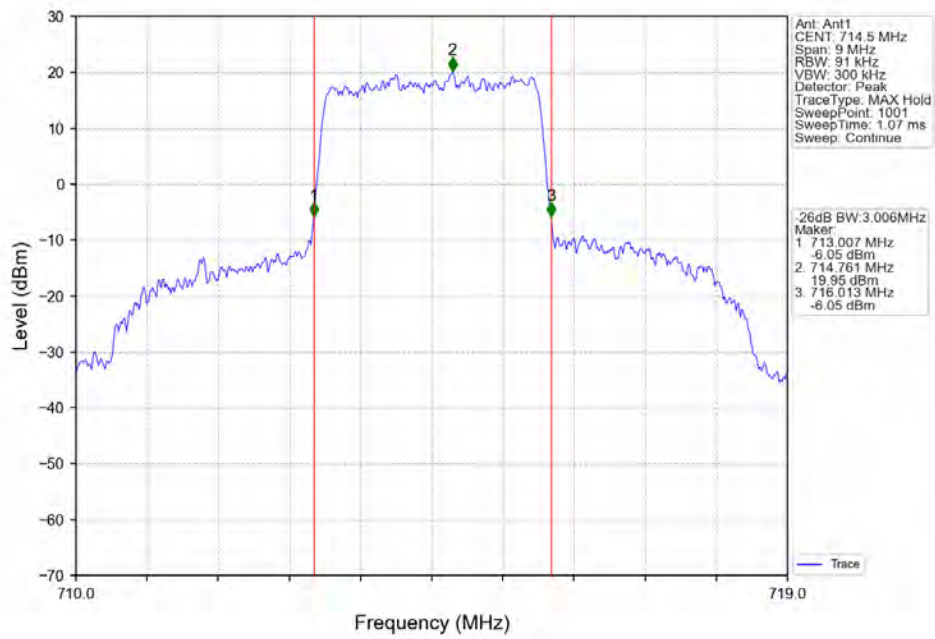
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



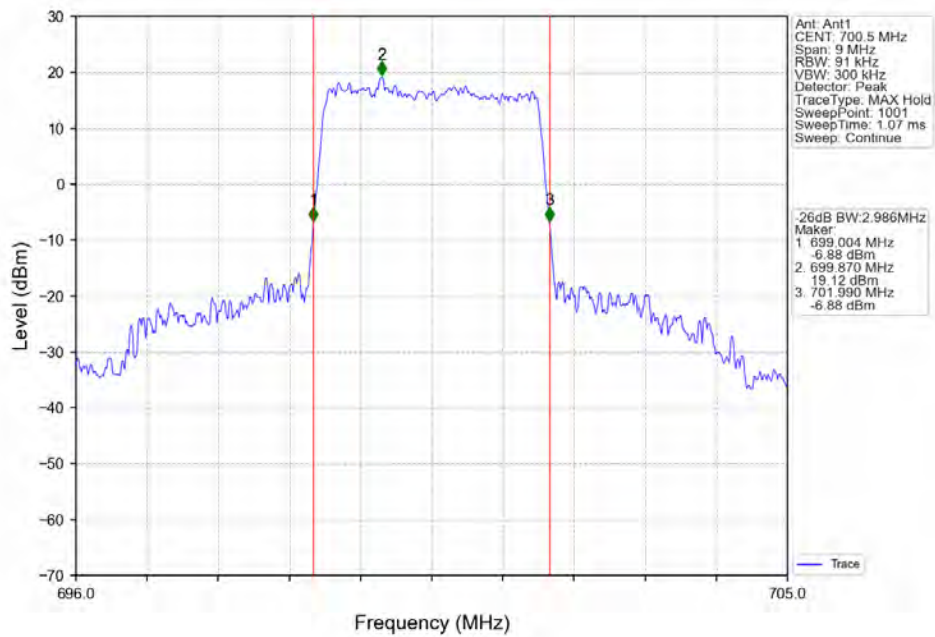
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



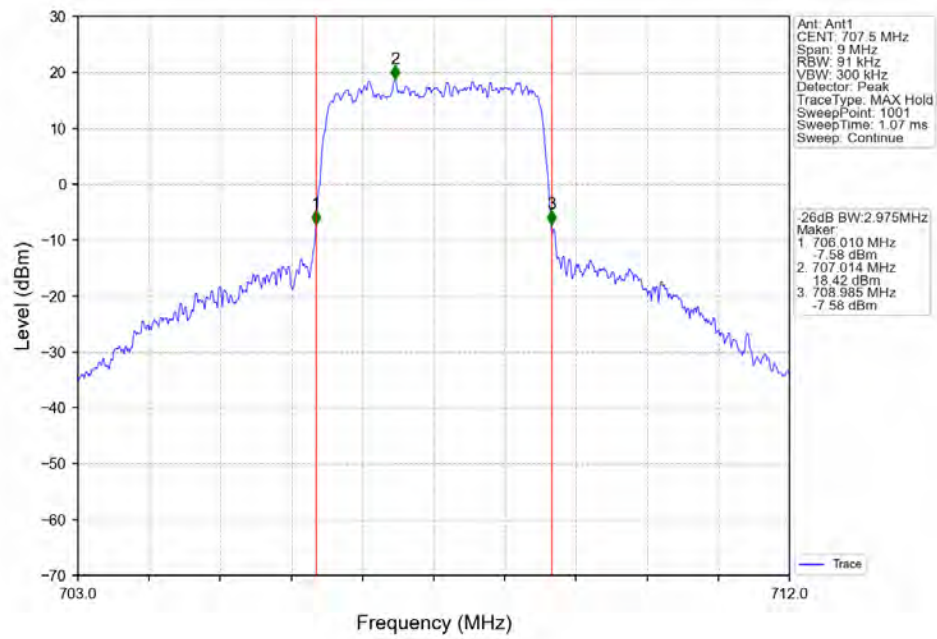
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



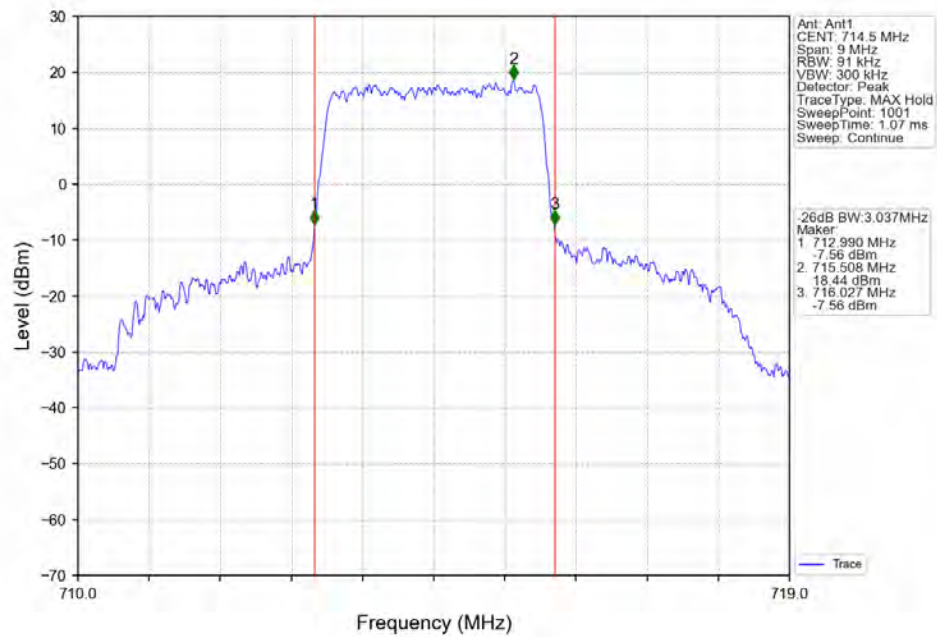
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



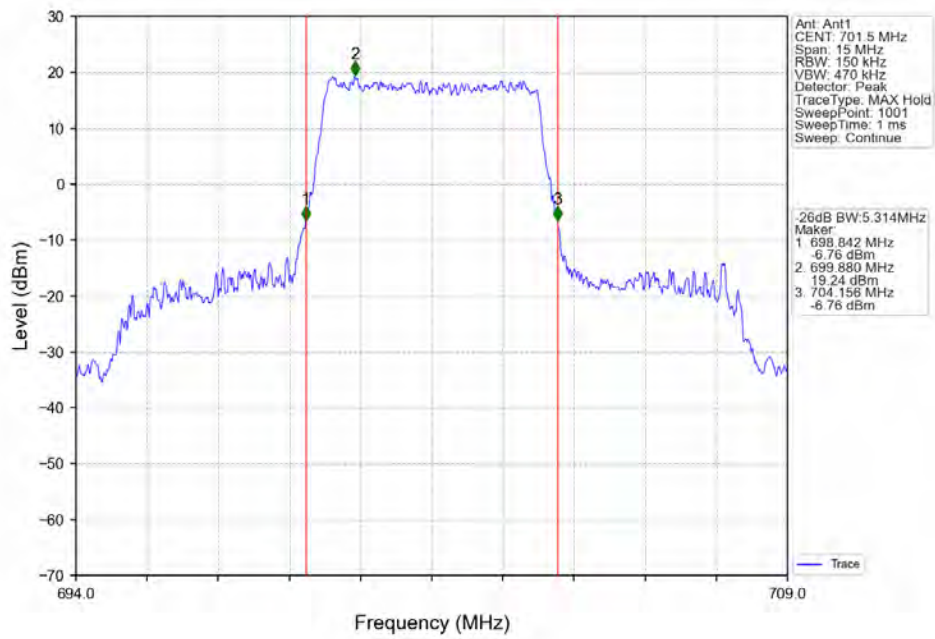
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



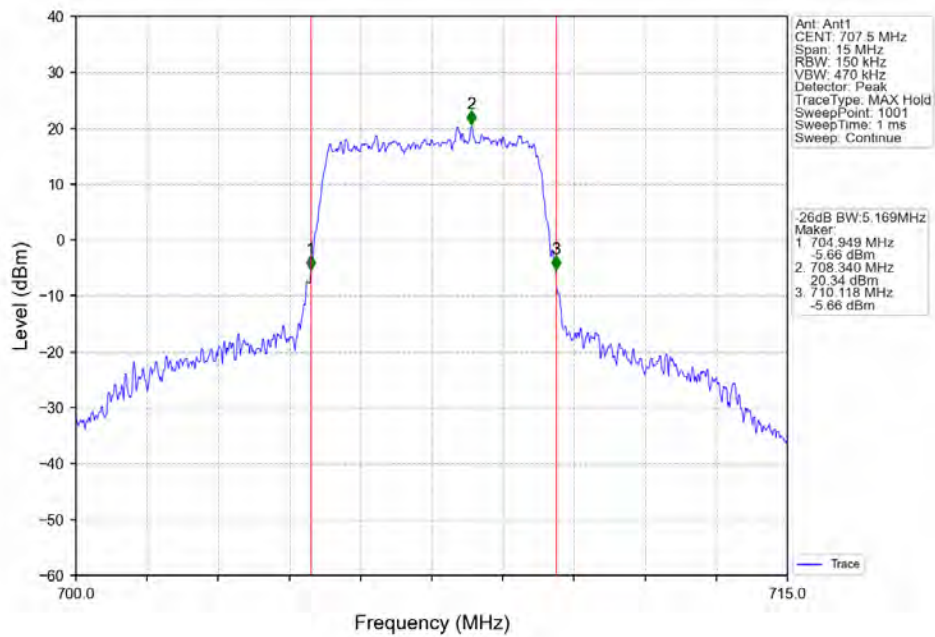
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



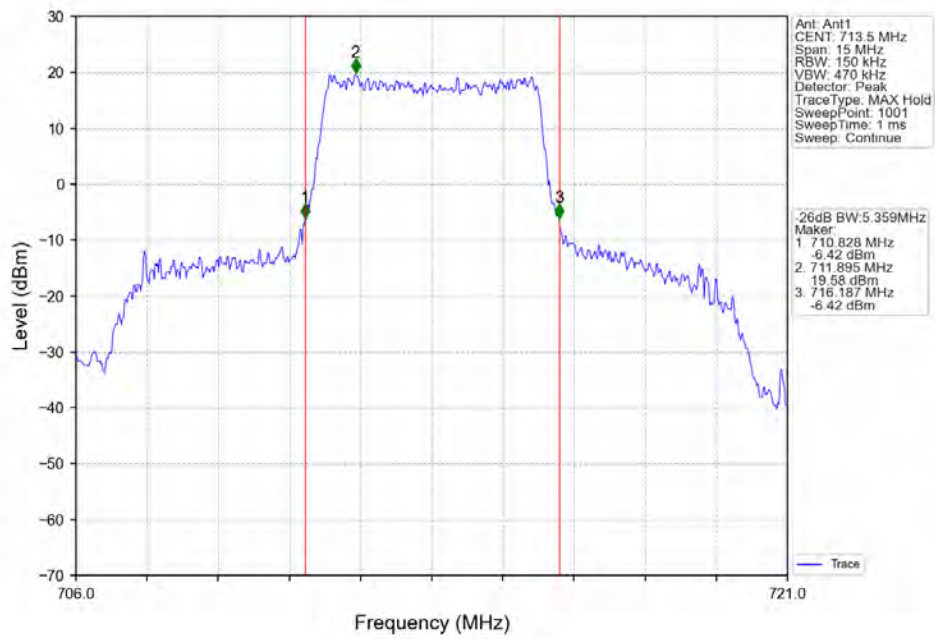
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



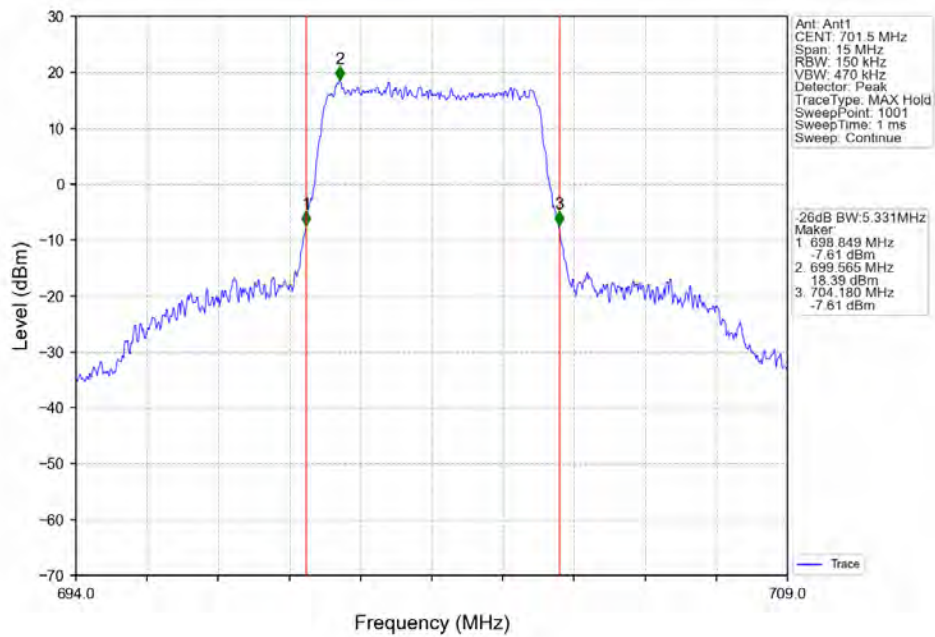
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



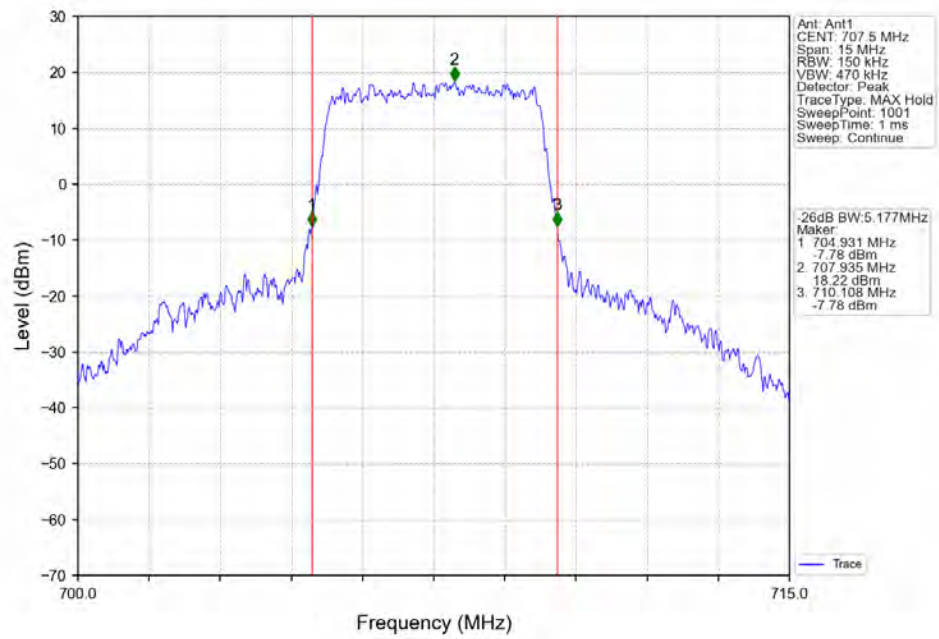
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



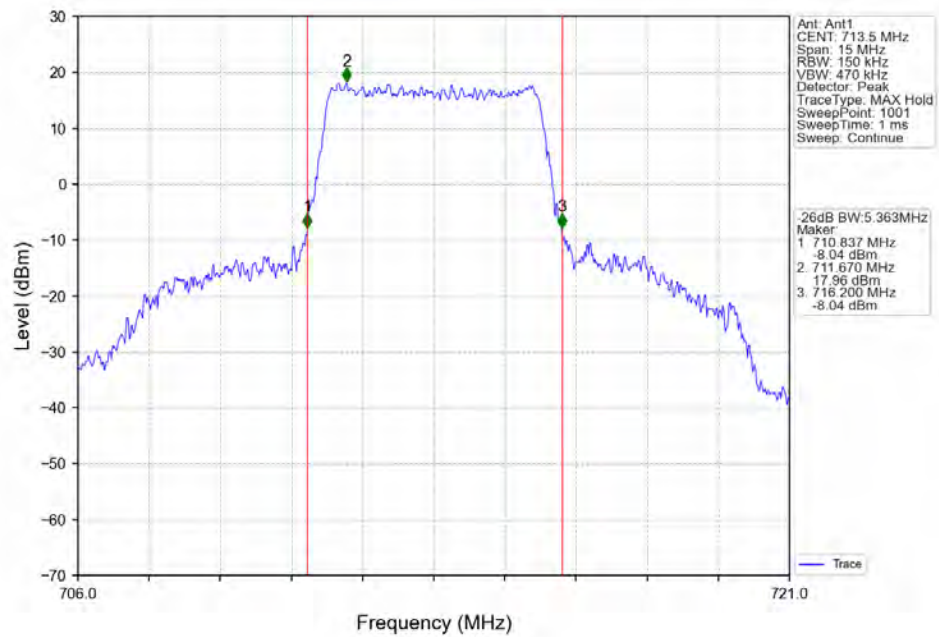
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



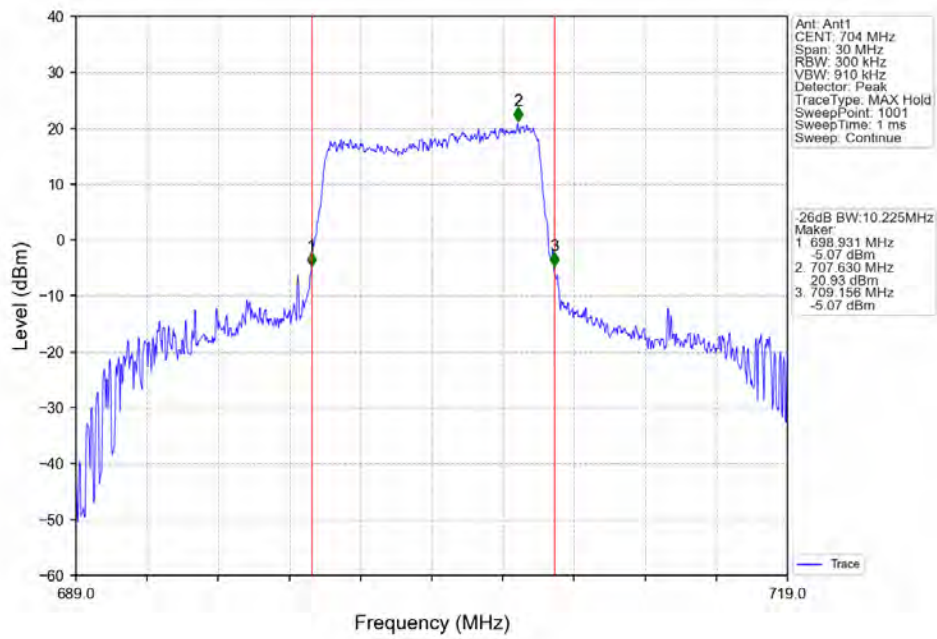
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



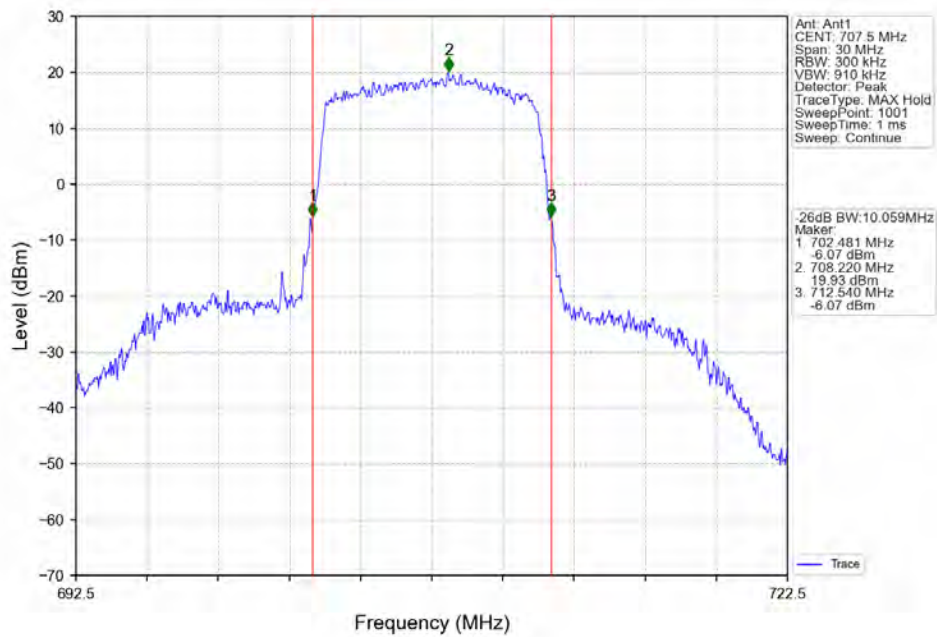
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



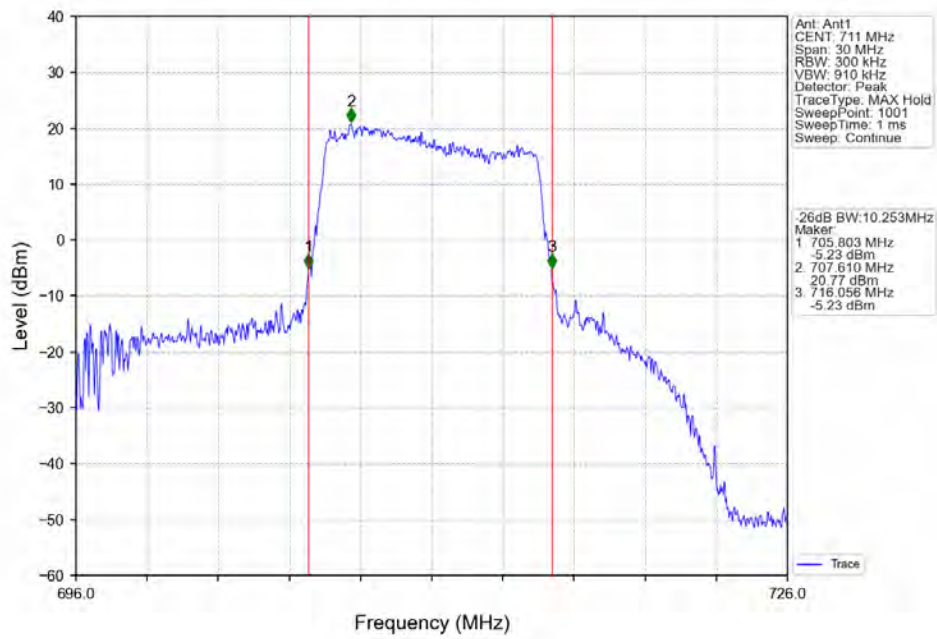
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



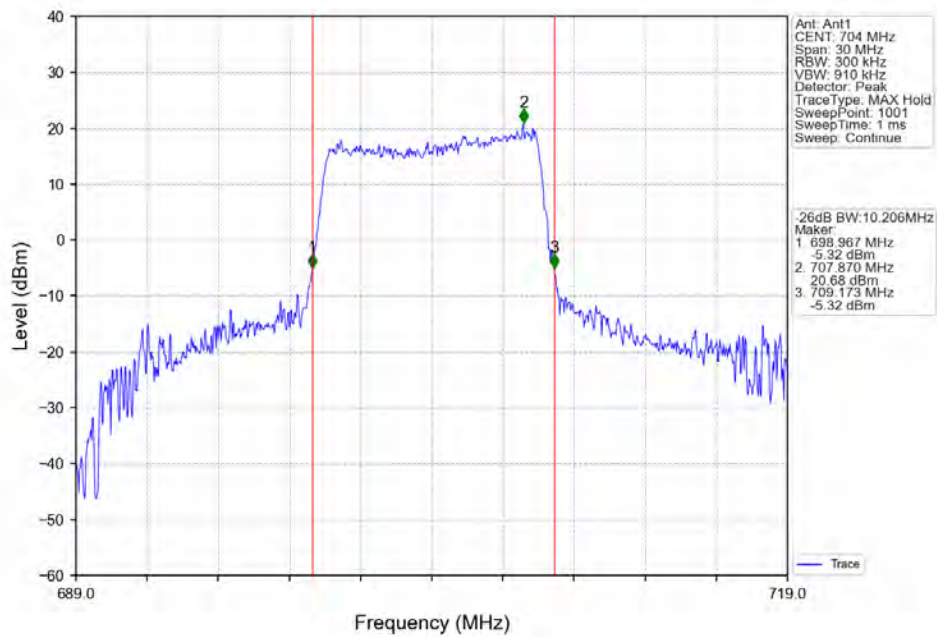
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



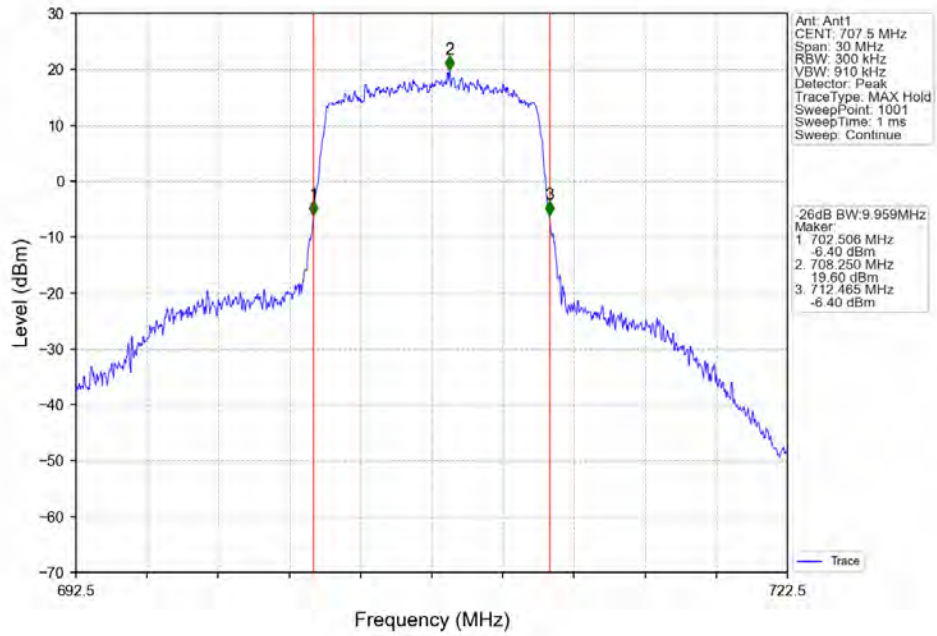
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



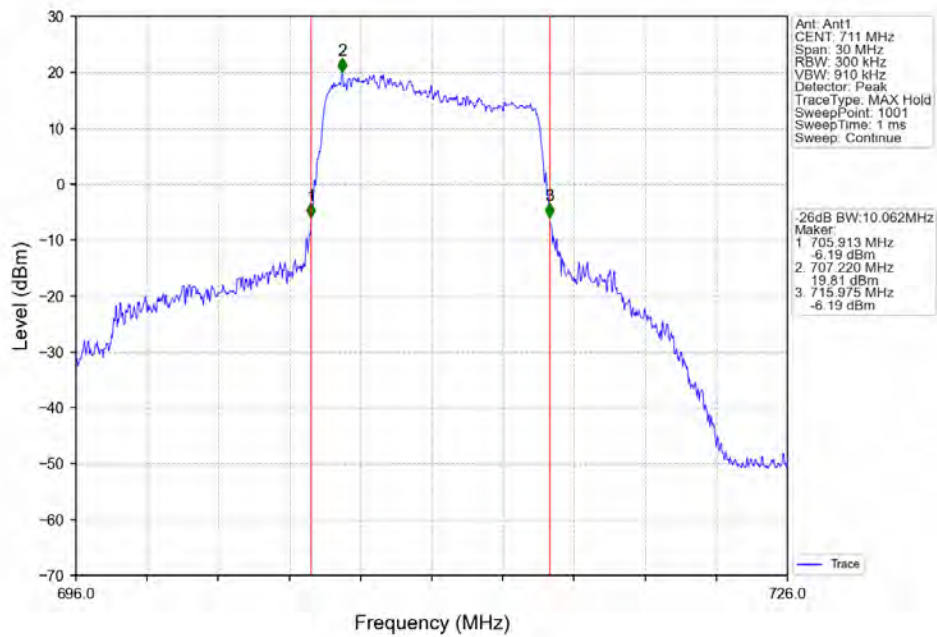
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



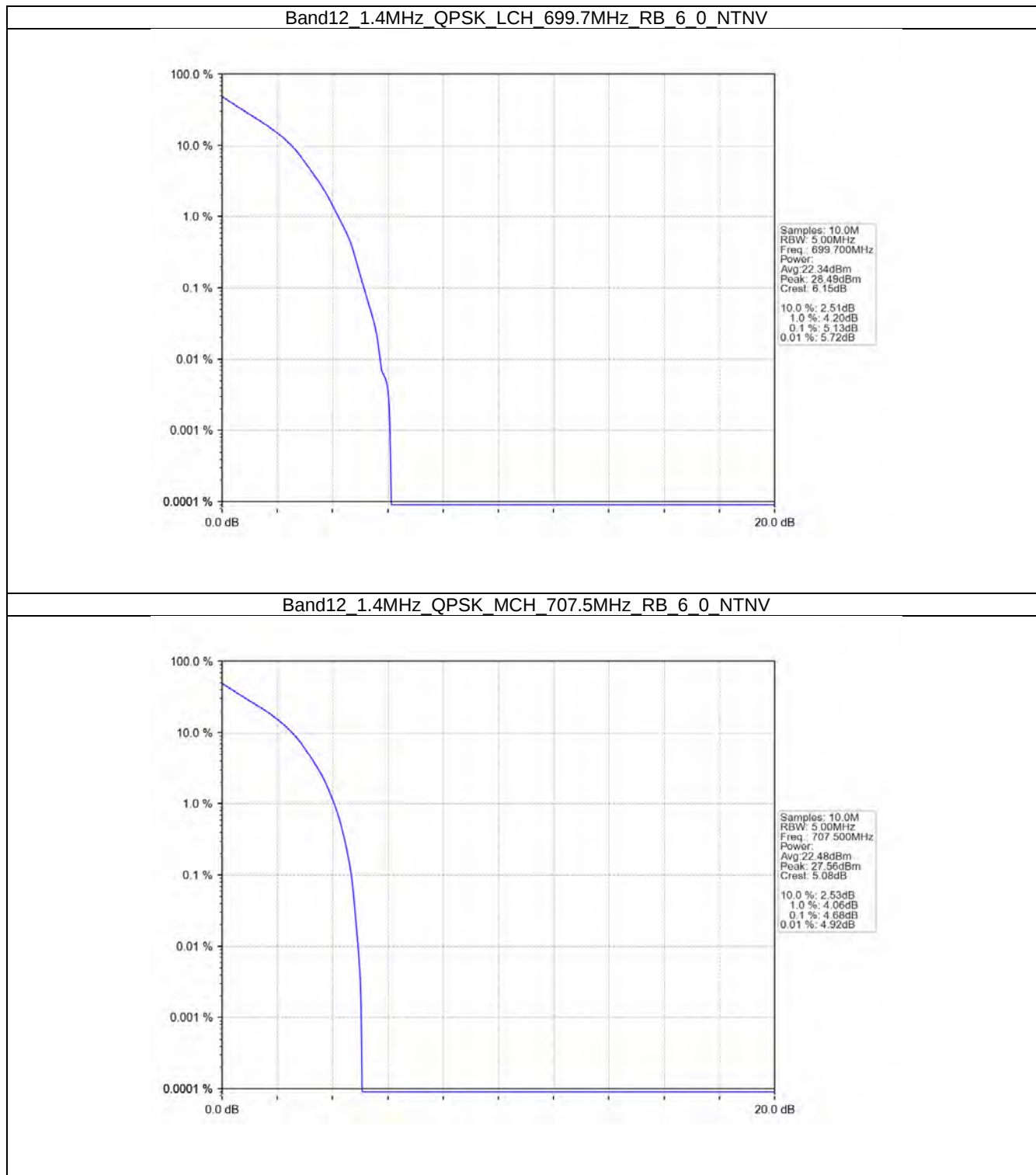
5. Peak-Average Ratio

5.1 B12_1.4MHz

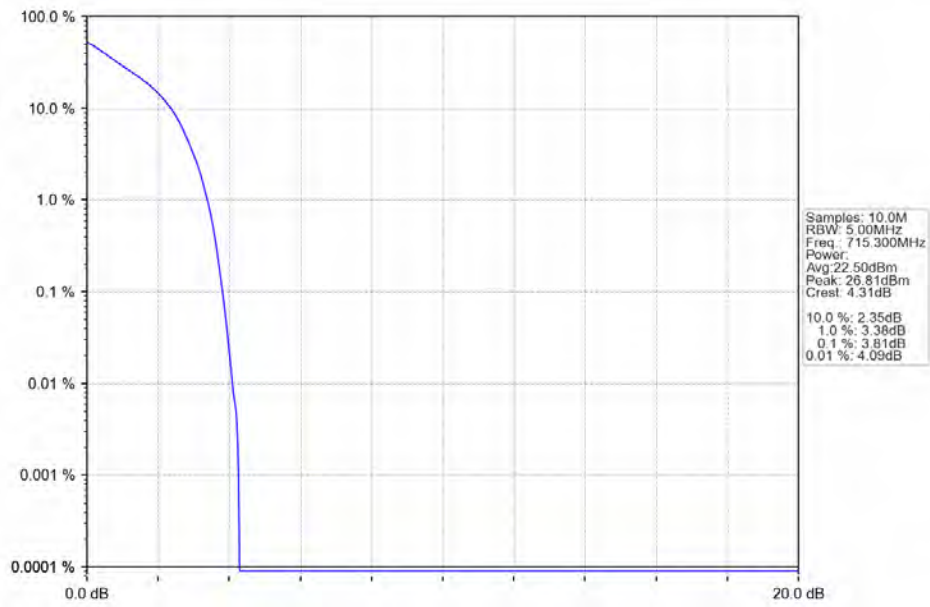
5.1.1 Test Result

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	5.13	<=13	Pass
	707.5	6	0	4.68	<=13	Pass
	715.3	6	0	3.81	<=13	Pass
16QAM	699.7	6	0	6.01	<=13	Pass
	707.5	6	0	5.51	<=13	Pass
	715.3	6	0	4.77	<=13	Pass

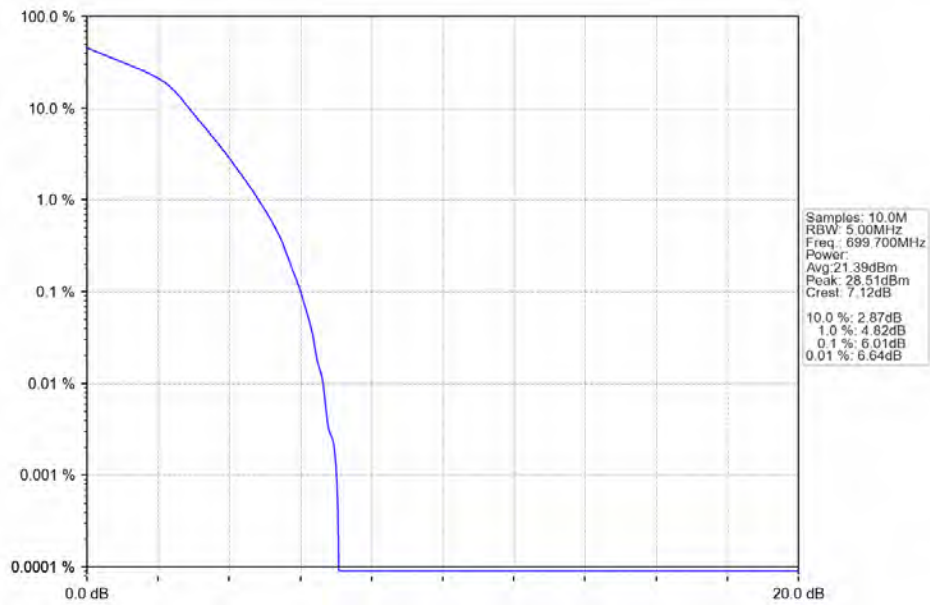
5.1.2 Test Graph



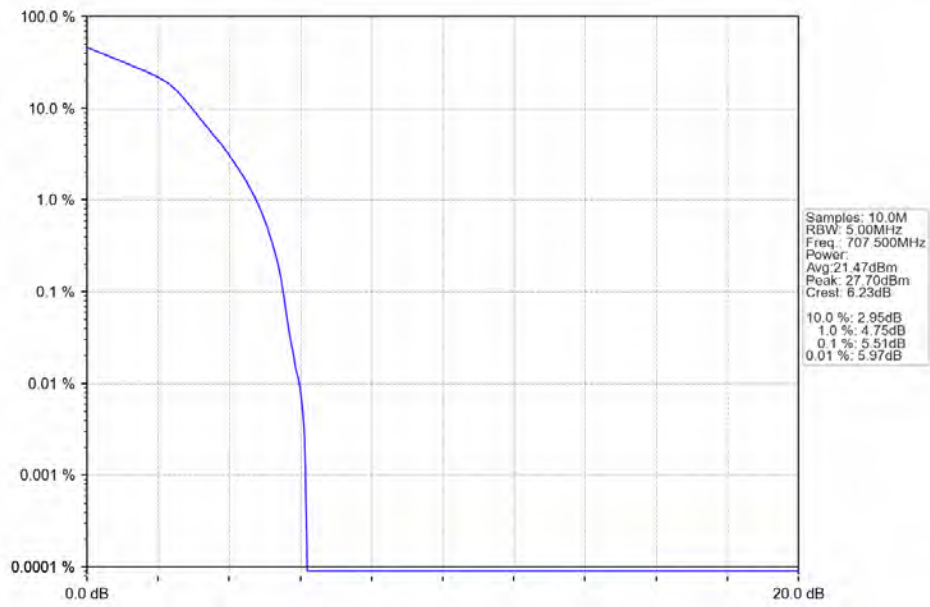
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



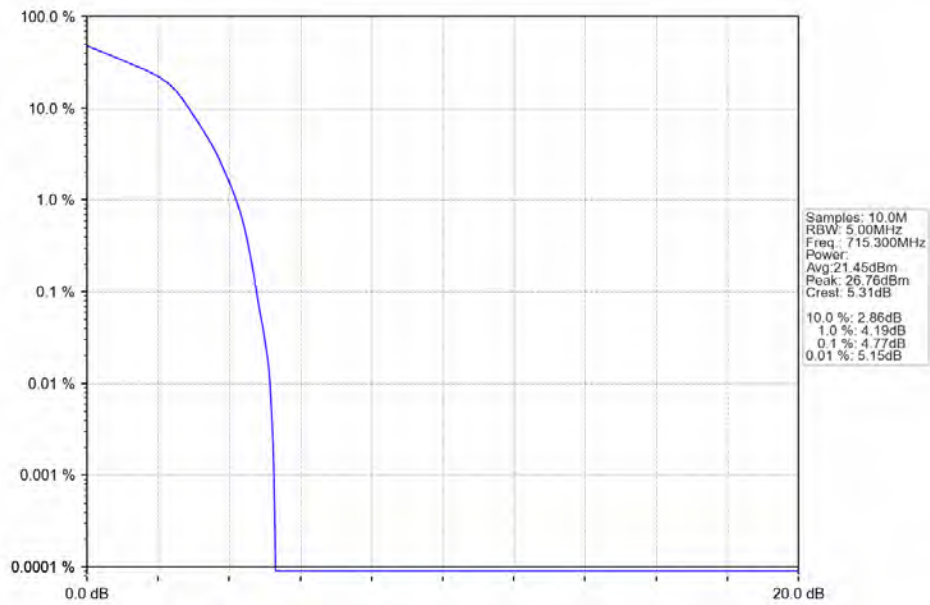
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV

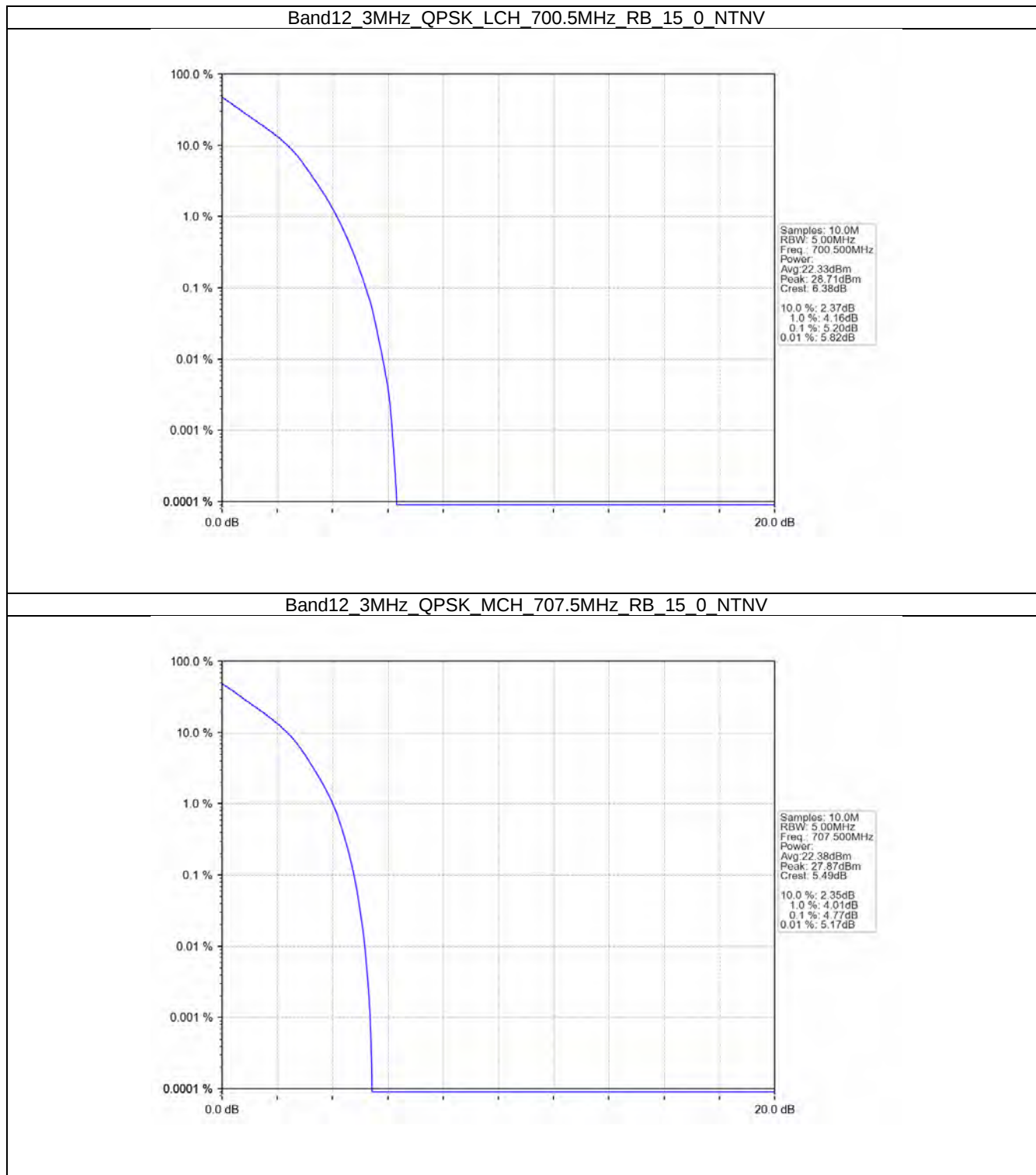


5.2 B12_3MHz

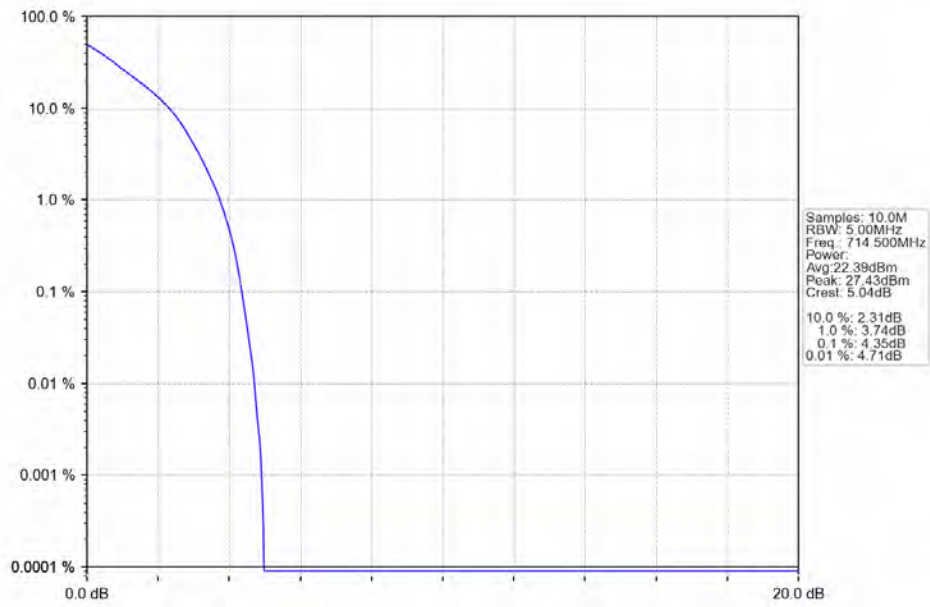
5.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.20	<=13	Pass
	707.5	15	0	4.77	<=13	Pass
	714.5	15	0	4.35	<=13	Pass
16QAM	700.5	15	0	6.01	<=13	Pass
	707.5	15	0	5.65	<=13	Pass
	714.5	15	0	5.25	<=13	Pass

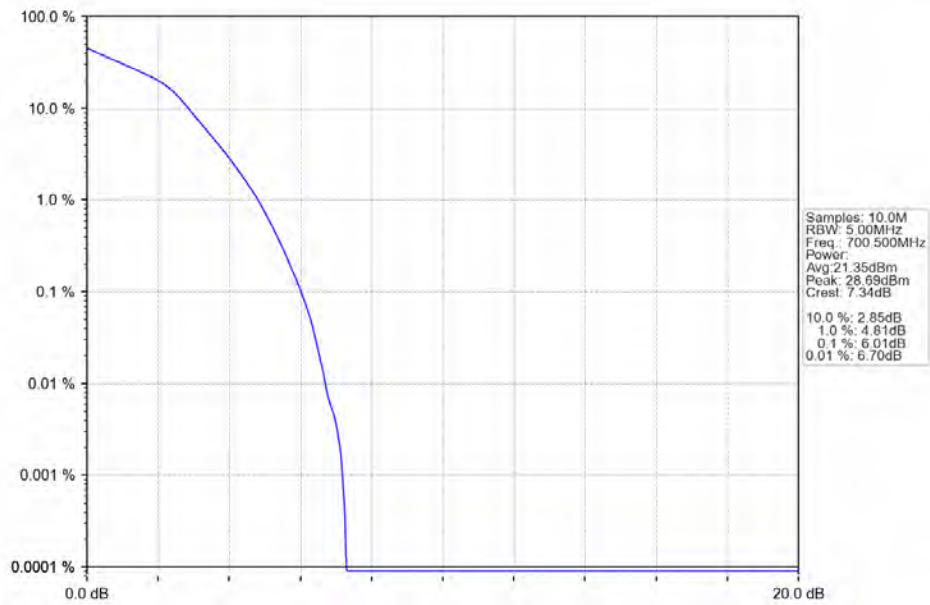
5.2.2 Test Graph



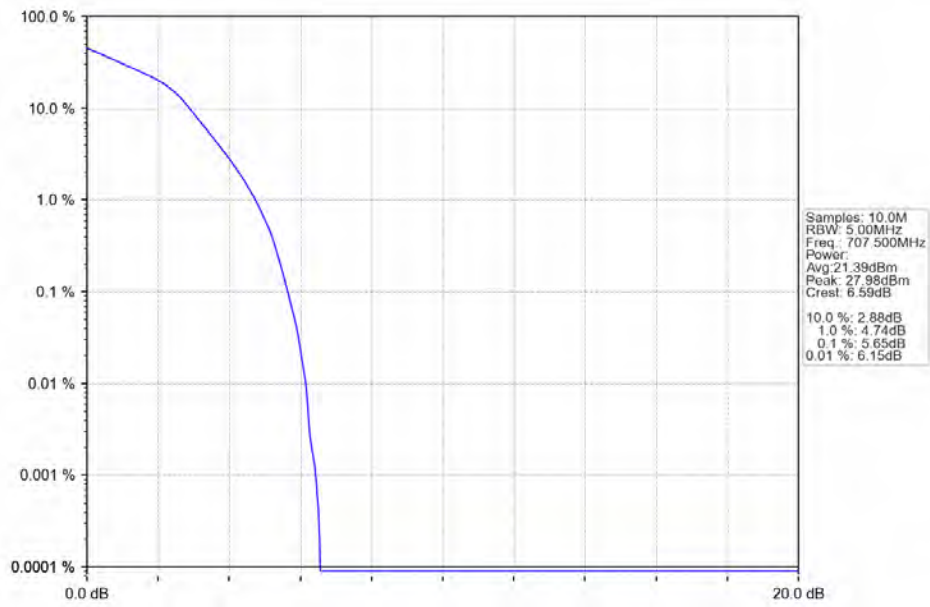
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



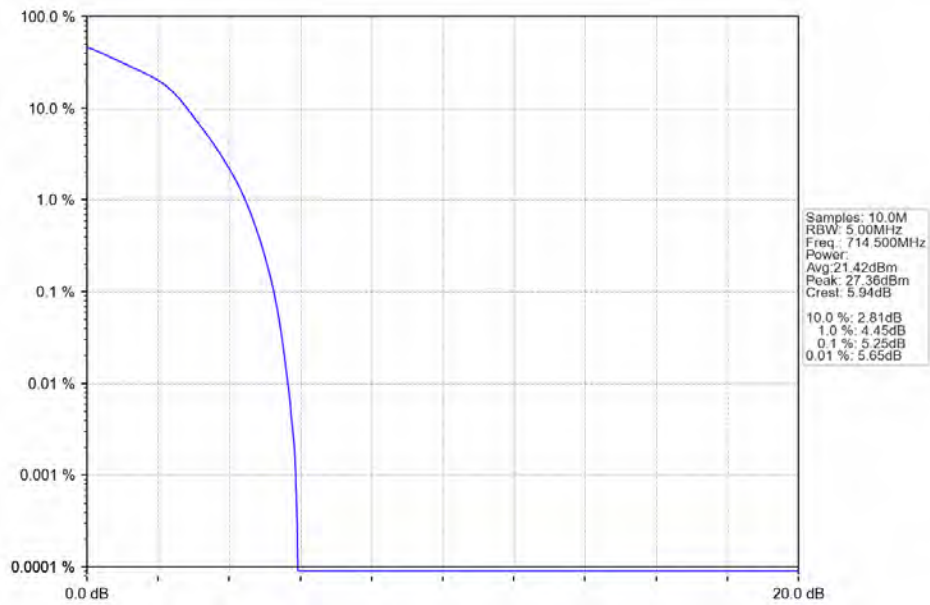
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

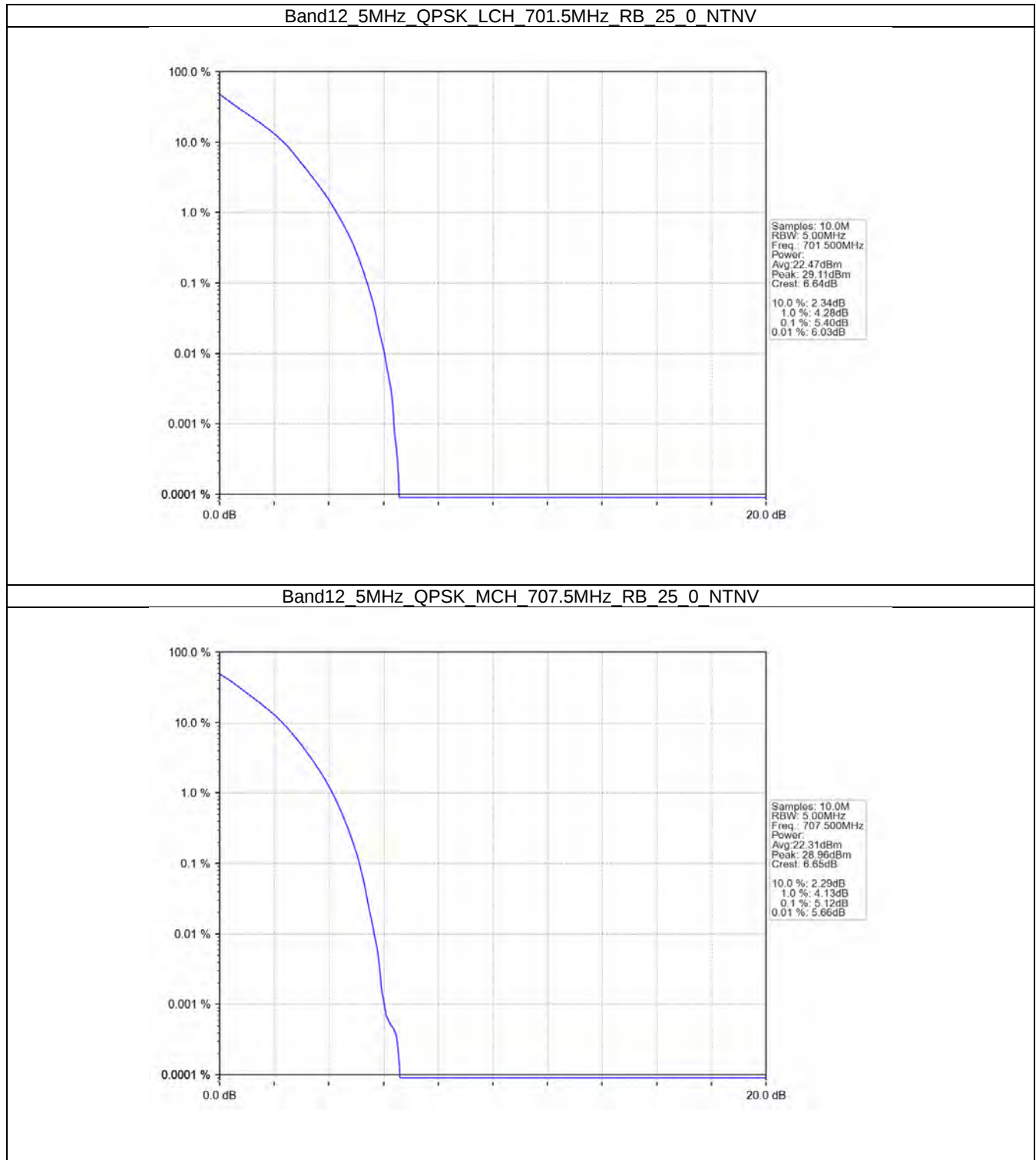


5.3 B12_5MHz

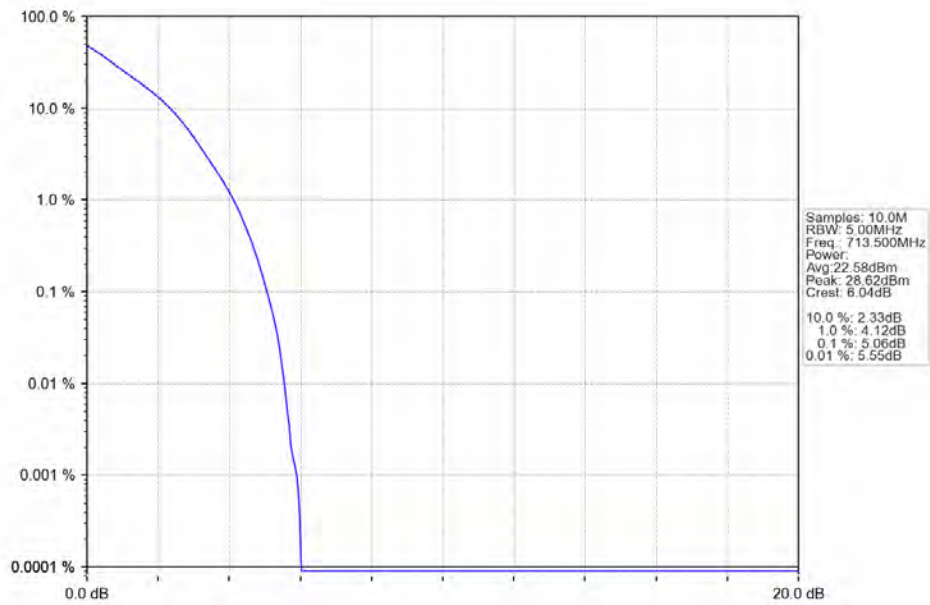
5.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.40	<=13	Pass
	707.5	25	0	5.12	<=13	Pass
	713.5	25	0	5.06	<=13	Pass
16QAM	701.5	25	0	6.04	<=13	Pass
	707.5	25	0	5.84	<=13	Pass
	713.5	25	0	5.80	<=13	Pass

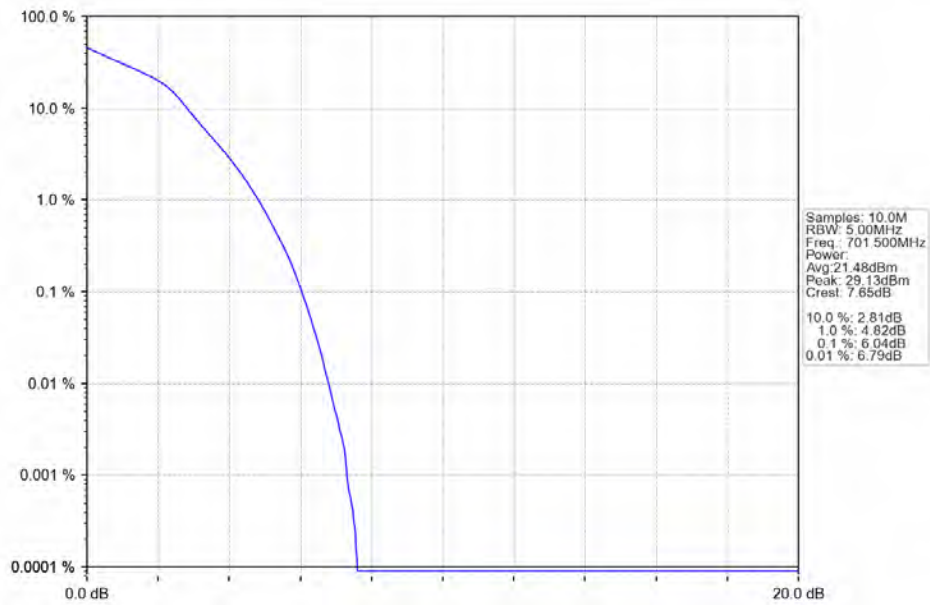
5.3.2 Test Graph



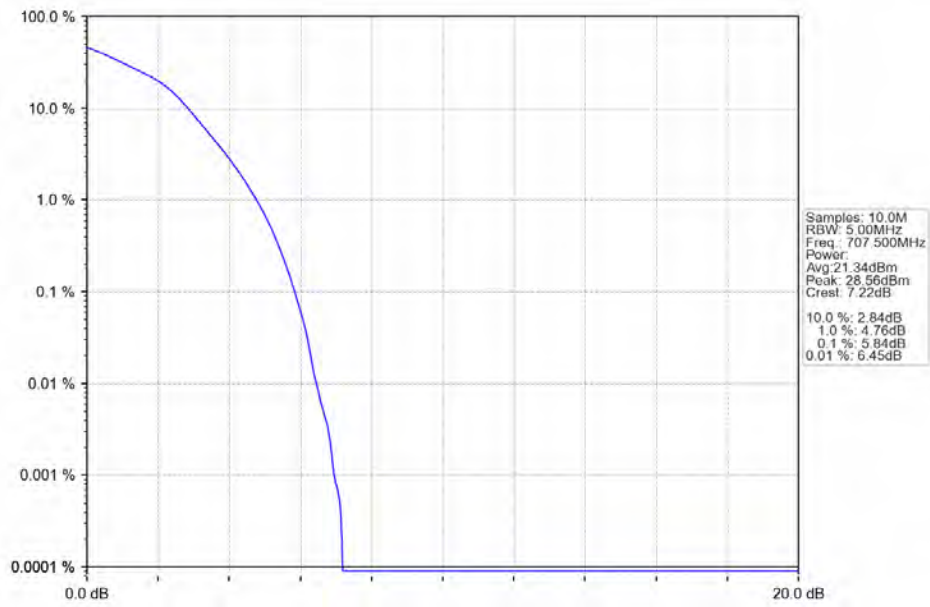
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



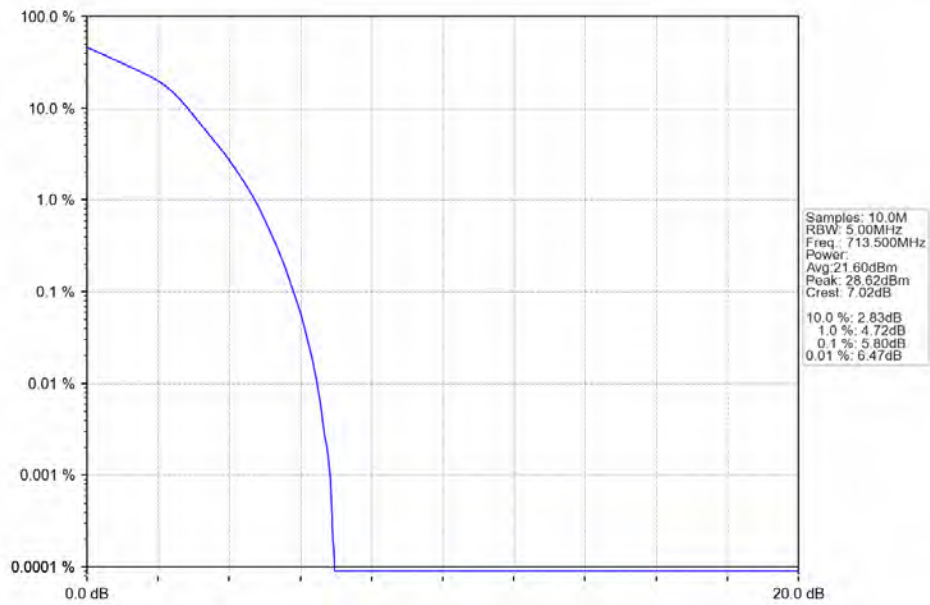
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

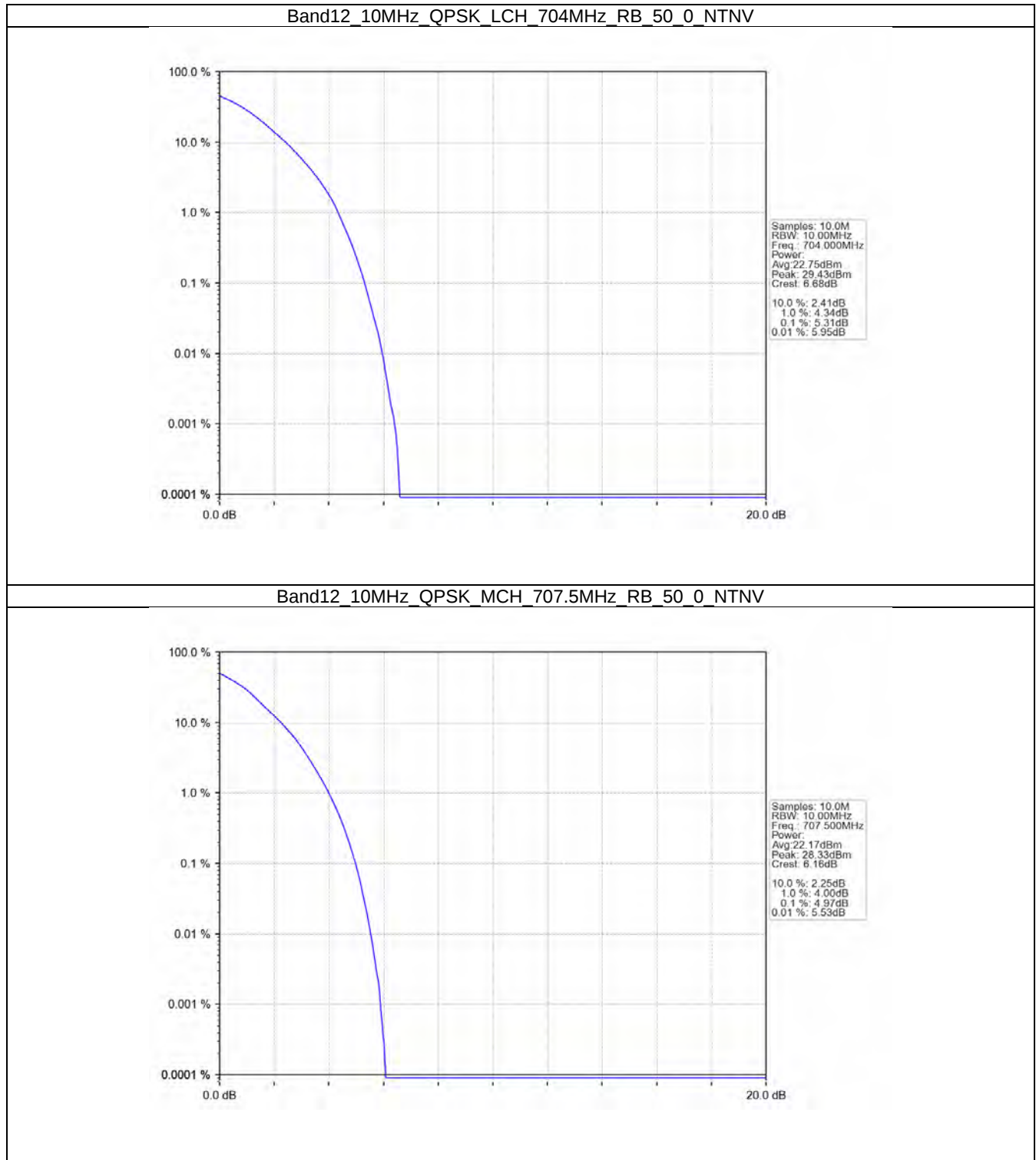


5.4 B12_10MHz

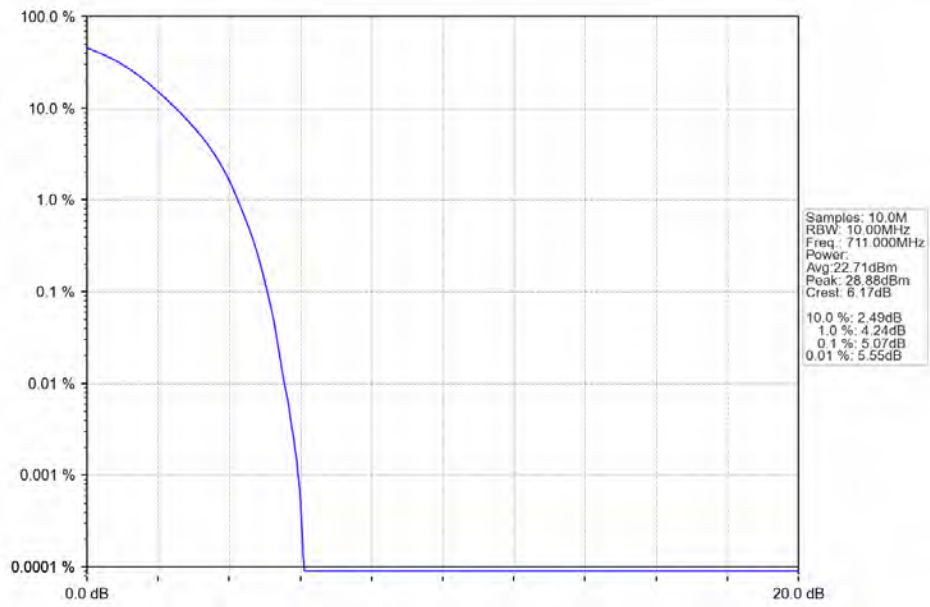
5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.31	<=13	Pass
	707.5	50	0	4.97	<=13	Pass
	711	50	0	5.07	<=13	Pass
16QAM	704	50	0	5.99	<=13	Pass
	707.5	50	0	5.88	<=13	Pass
	711	50	0	5.89	<=13	Pass

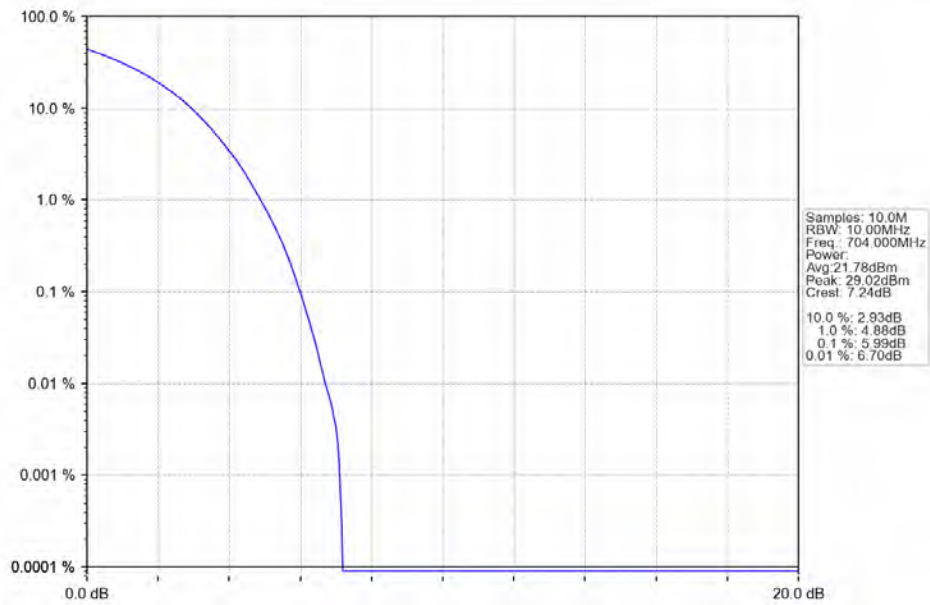
5.4.2 Test Graph



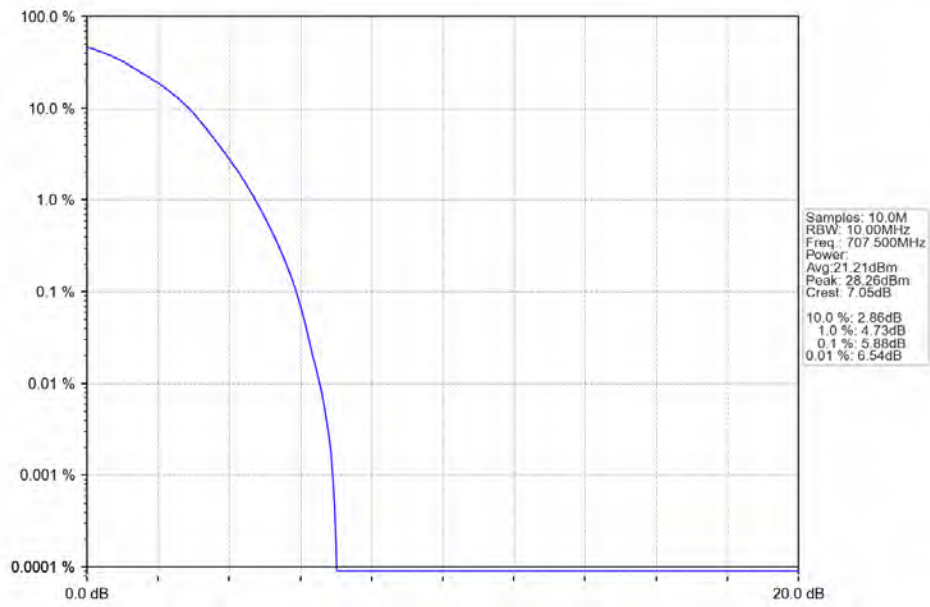
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



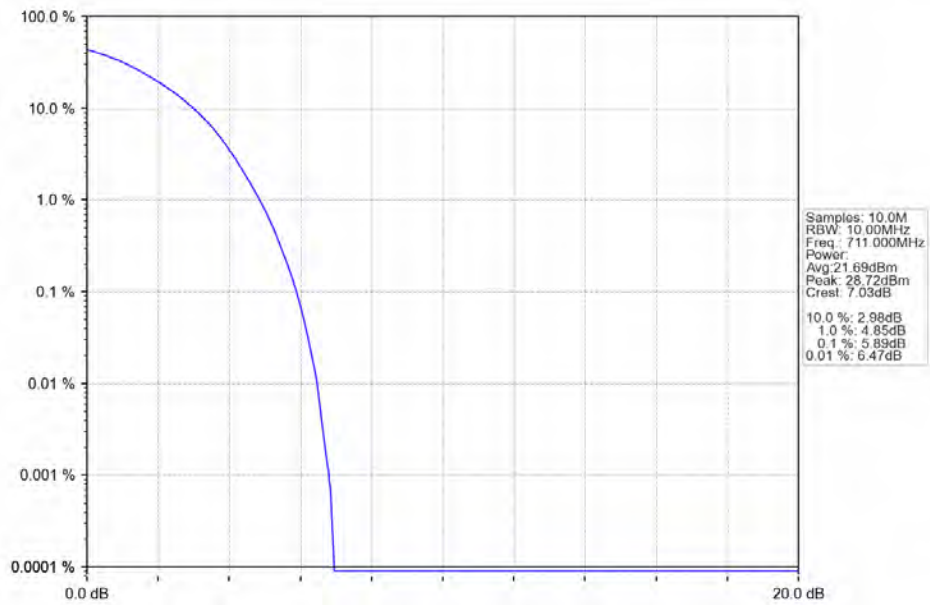
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



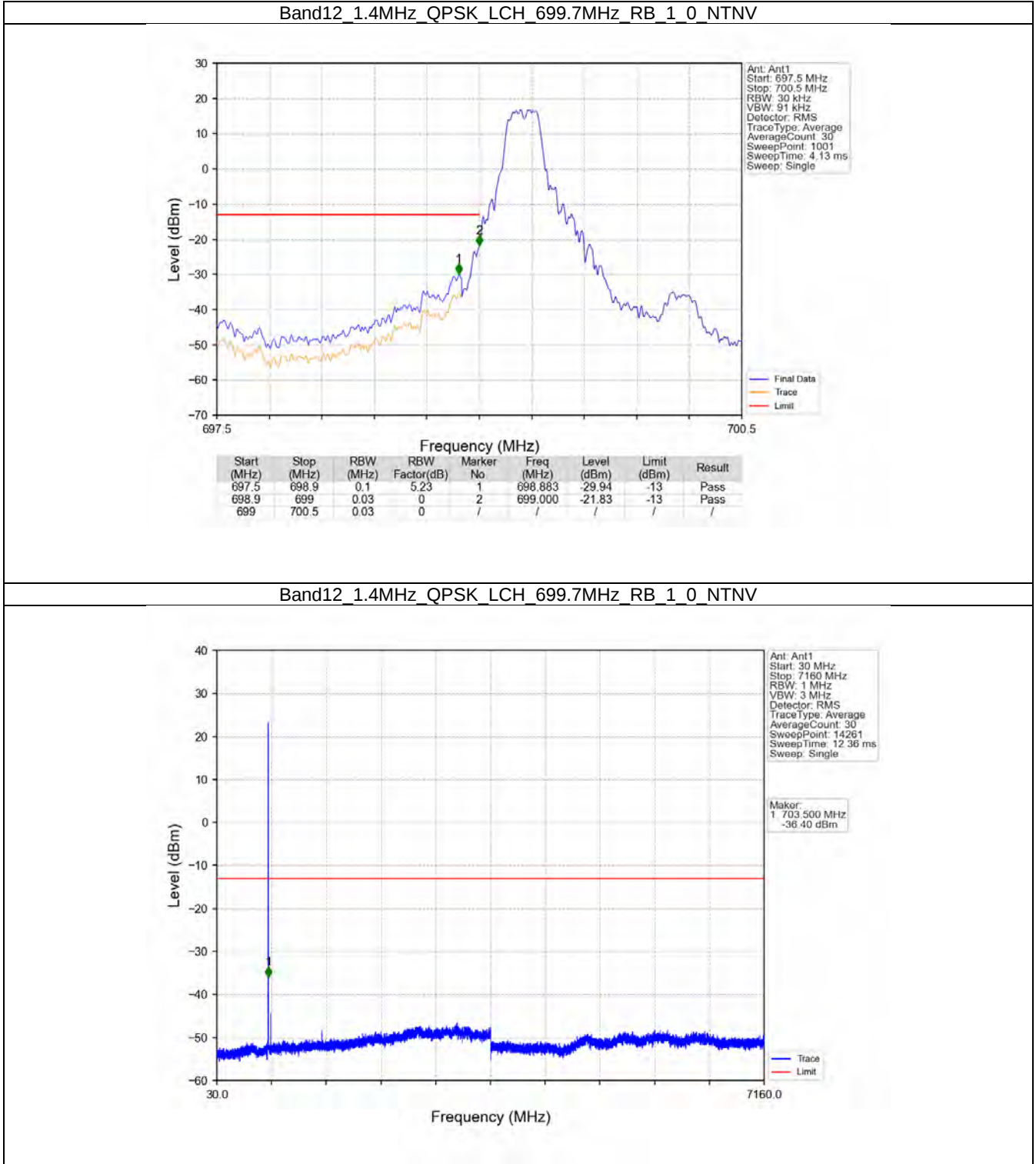
6. Spurious Emission

6.1 B12_1.4MHz

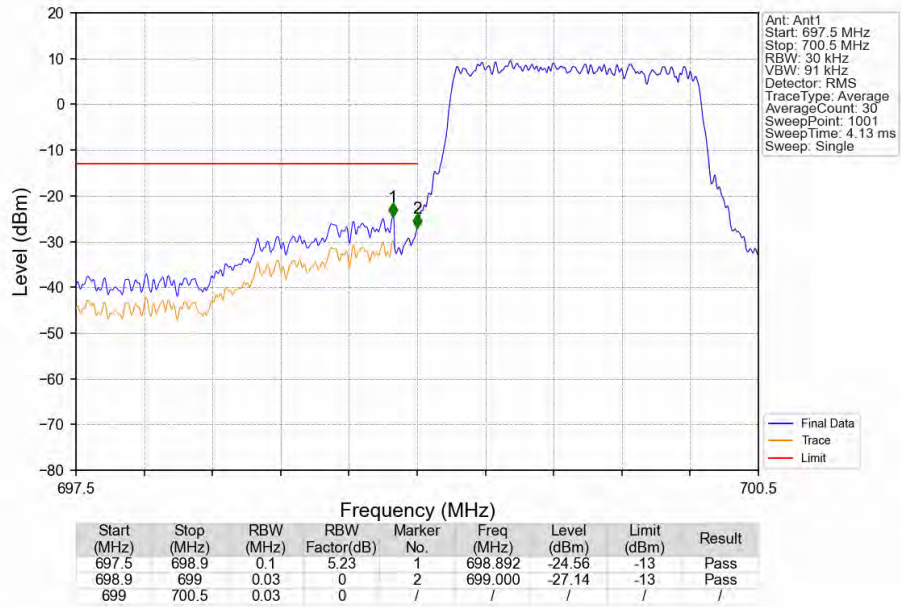
6.1.1 Test Result

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

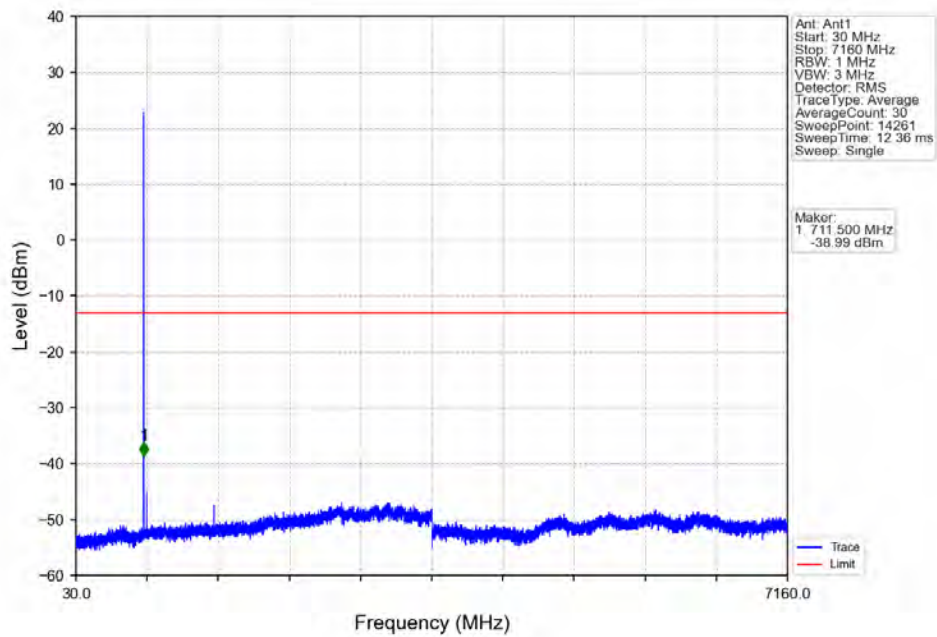
6.1.2 Test Graph



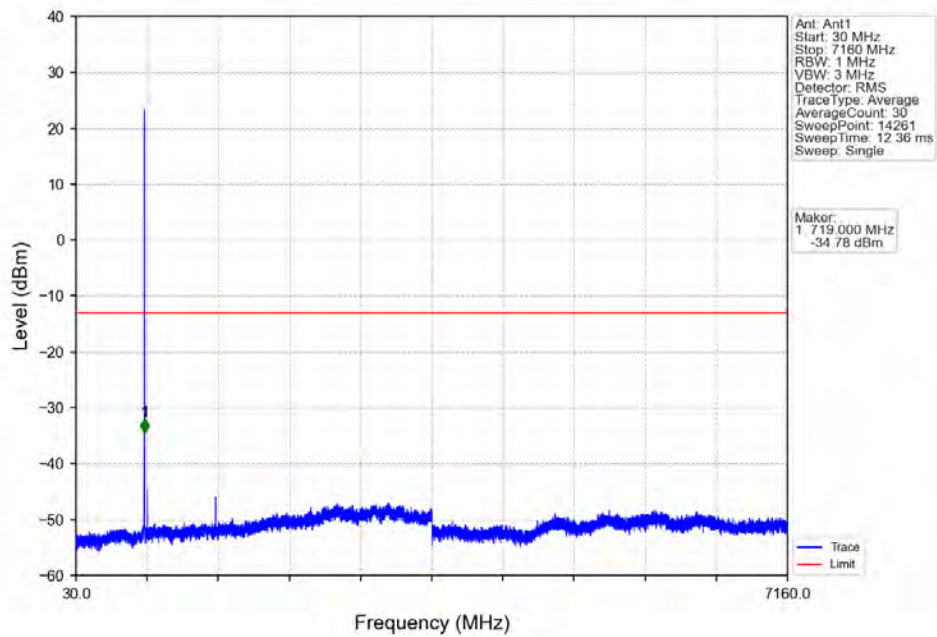
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



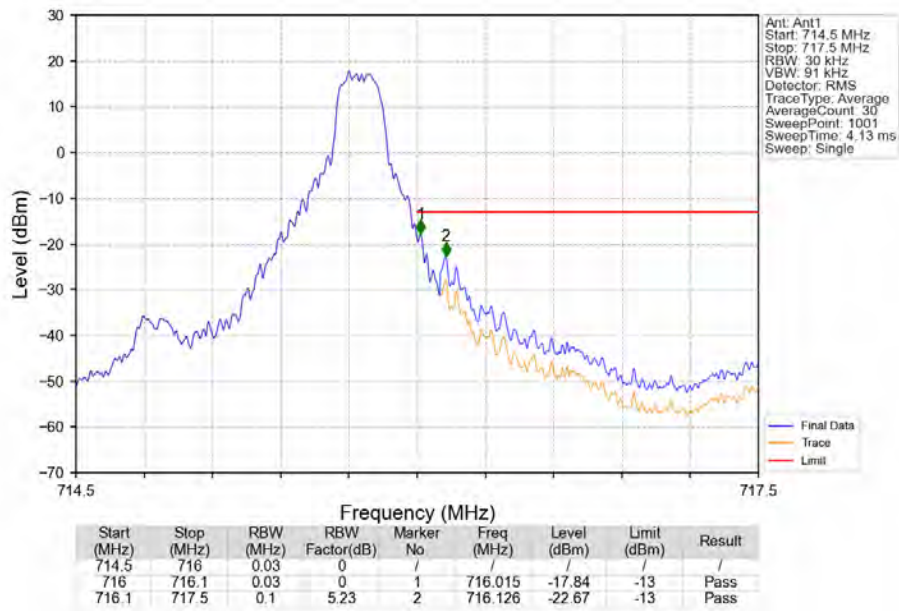
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



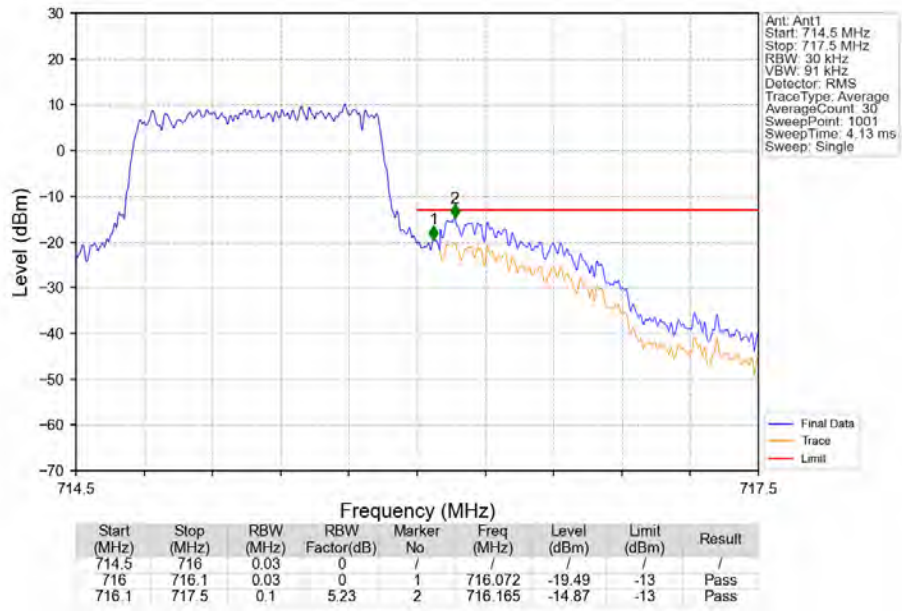
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



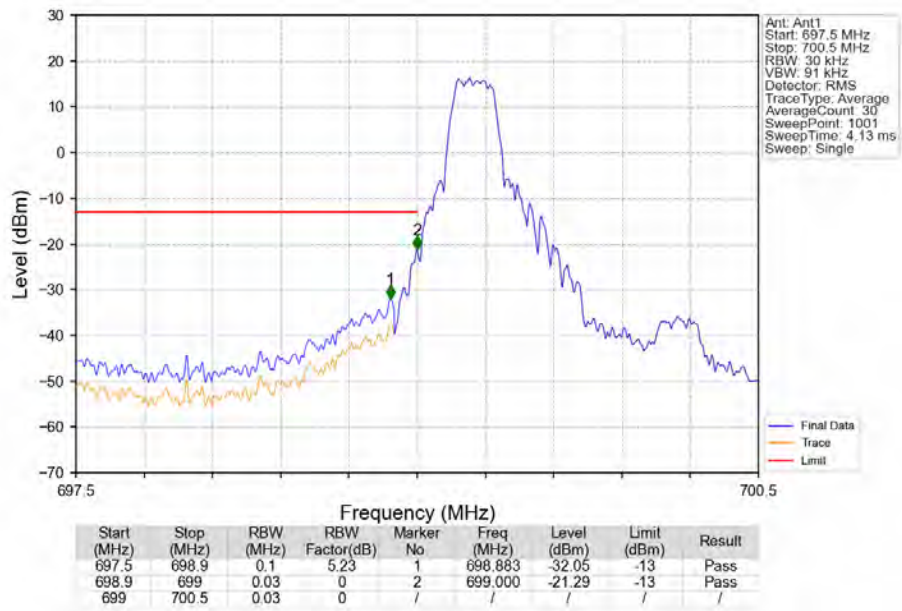
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



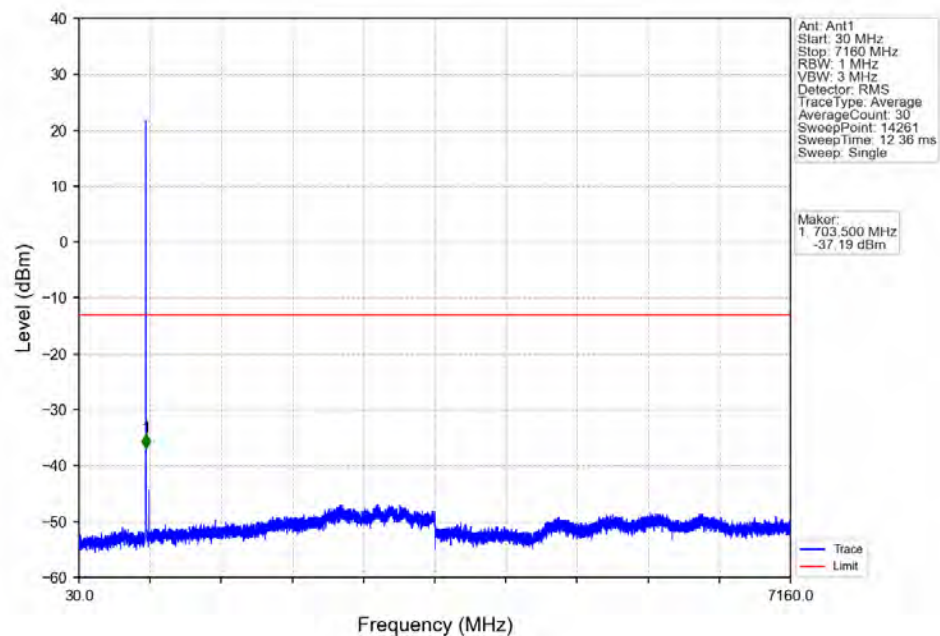
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



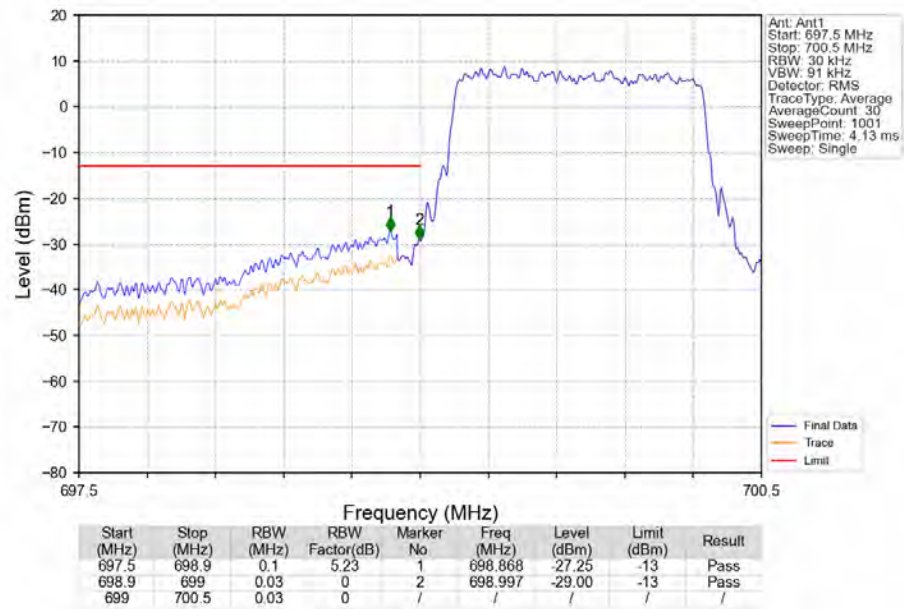
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



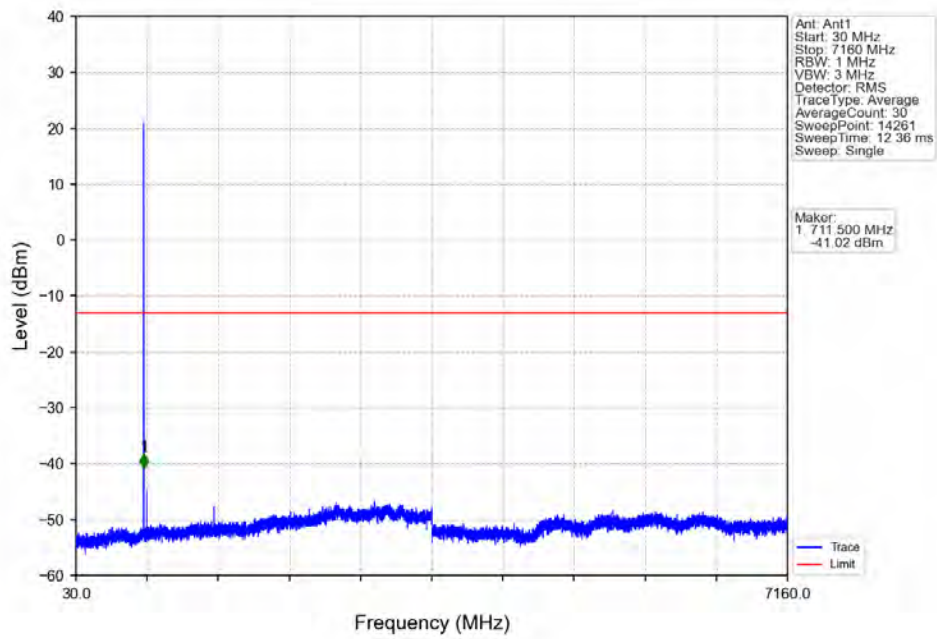
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



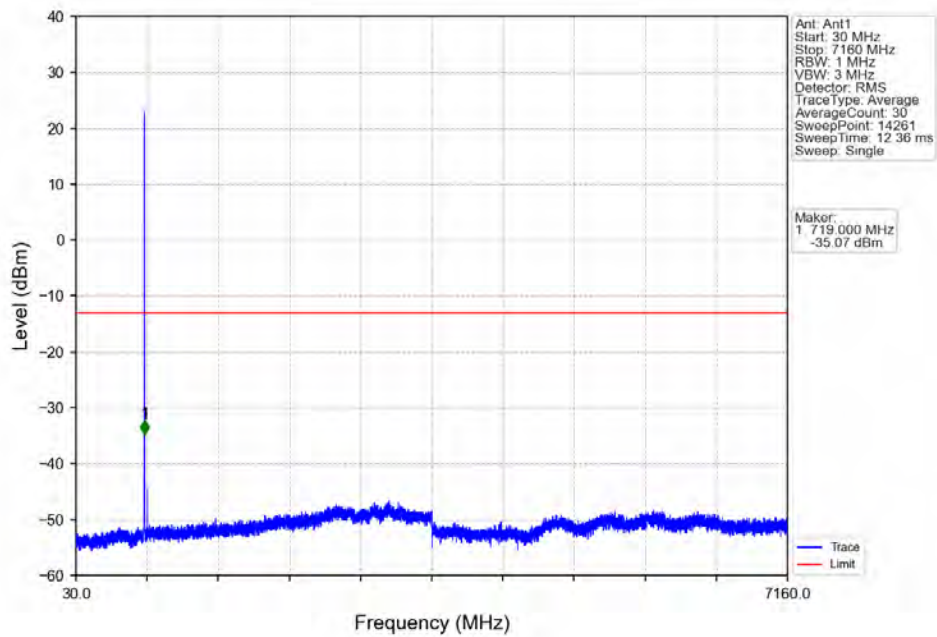
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



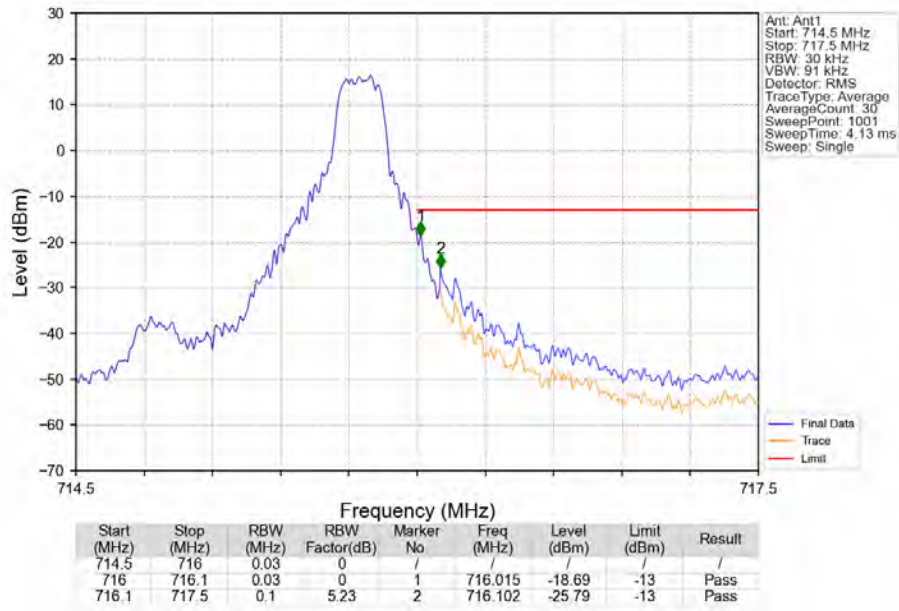
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



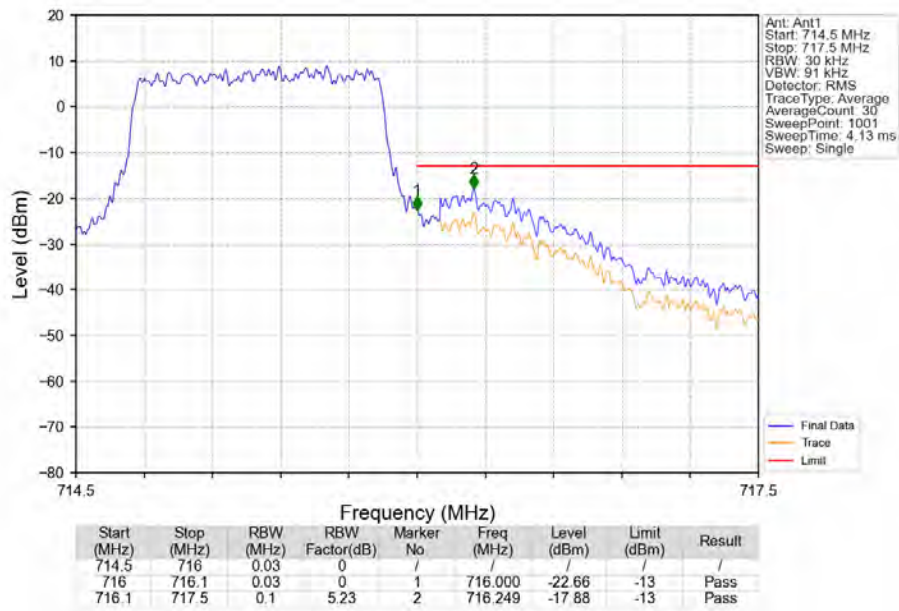
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 5 NTN



Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN

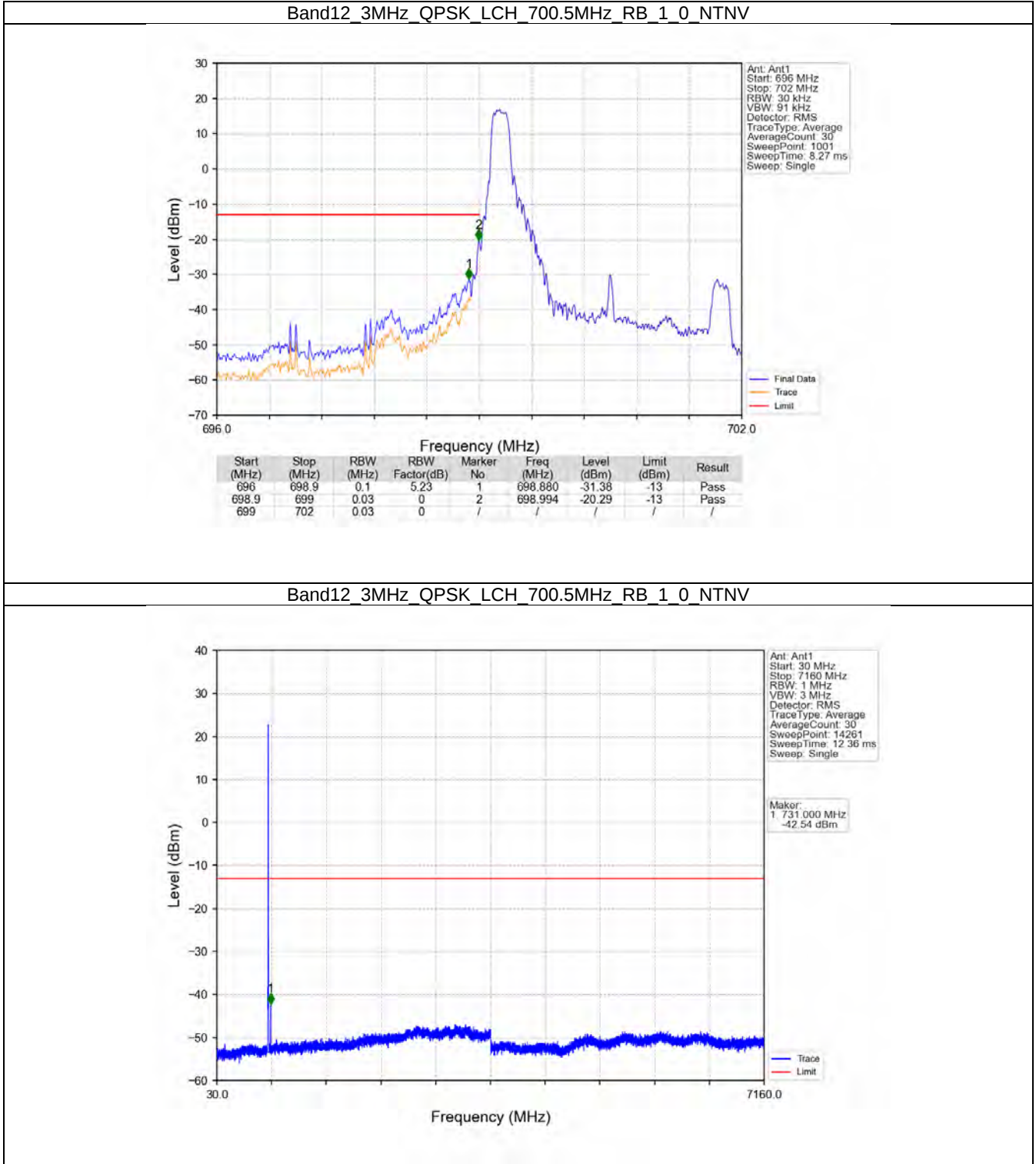


6.2 B12_3MHz

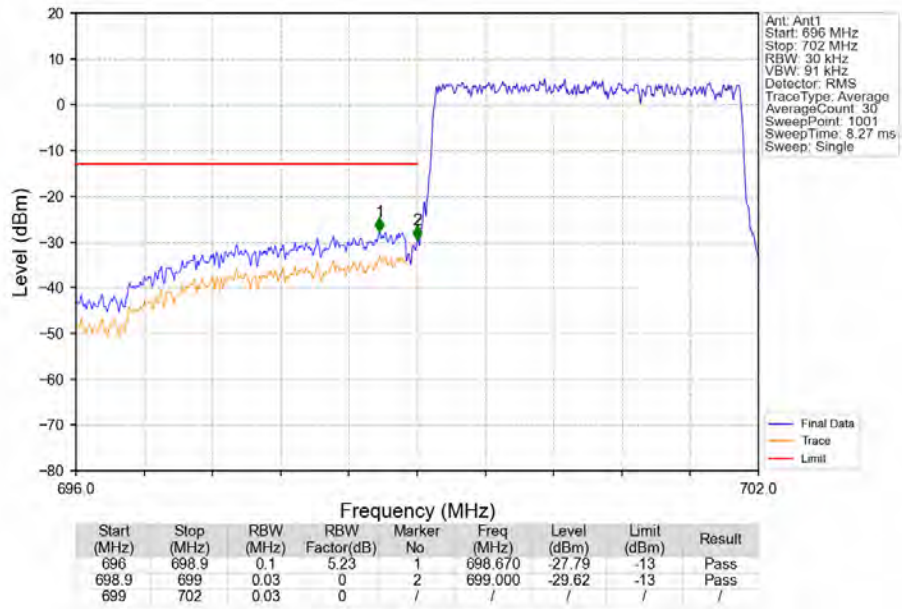
6.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTV						
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

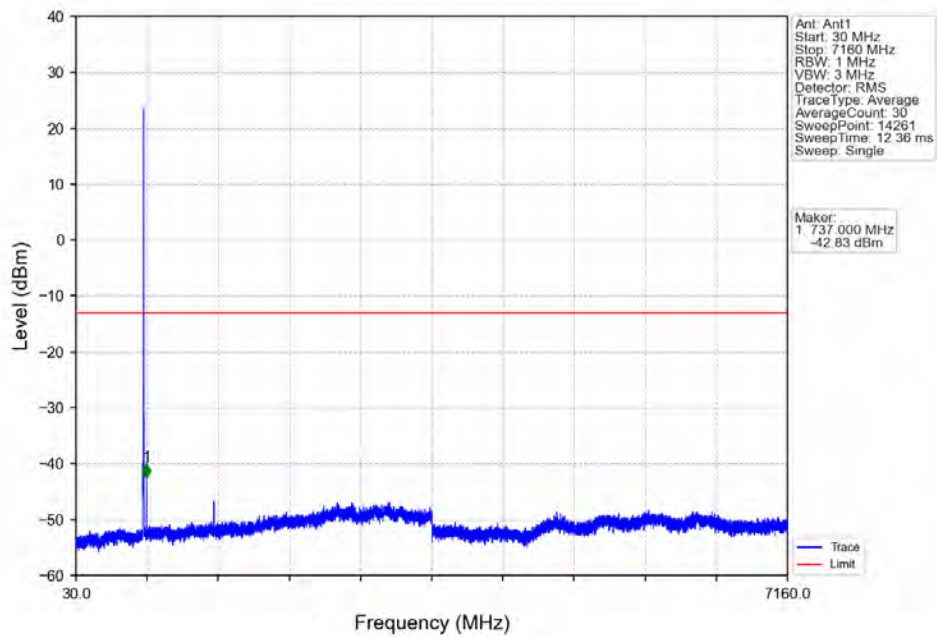
6.2.2 Test Graph



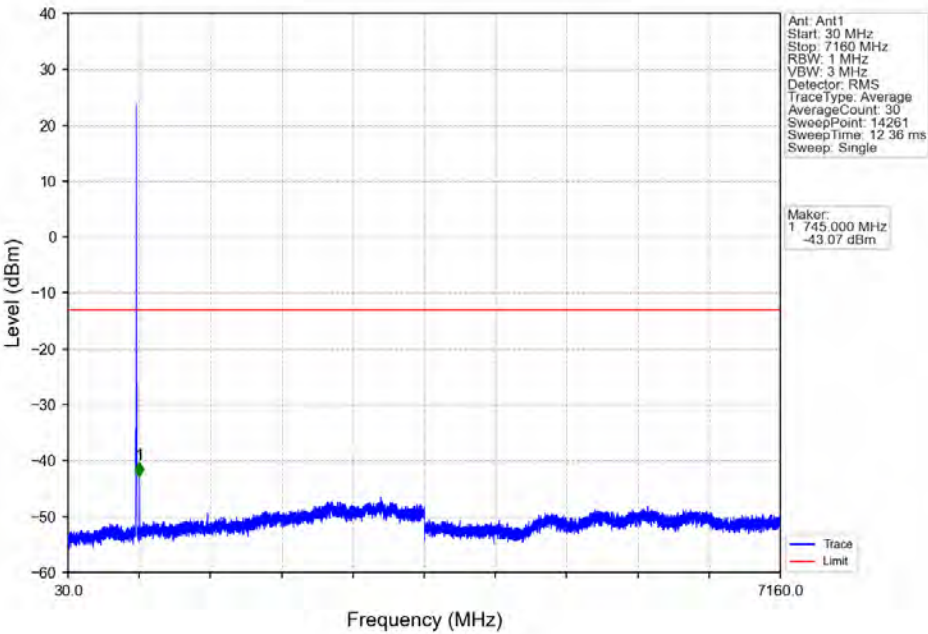
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



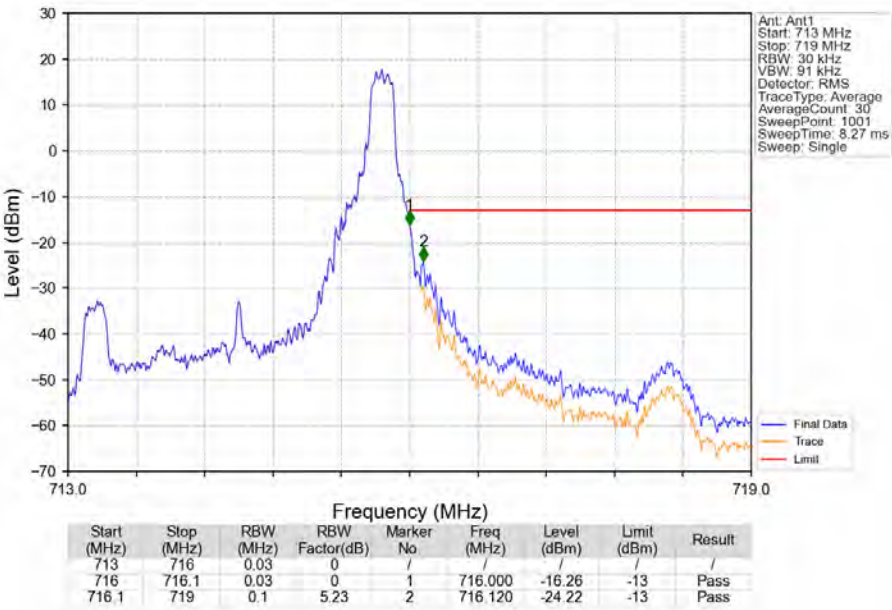
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



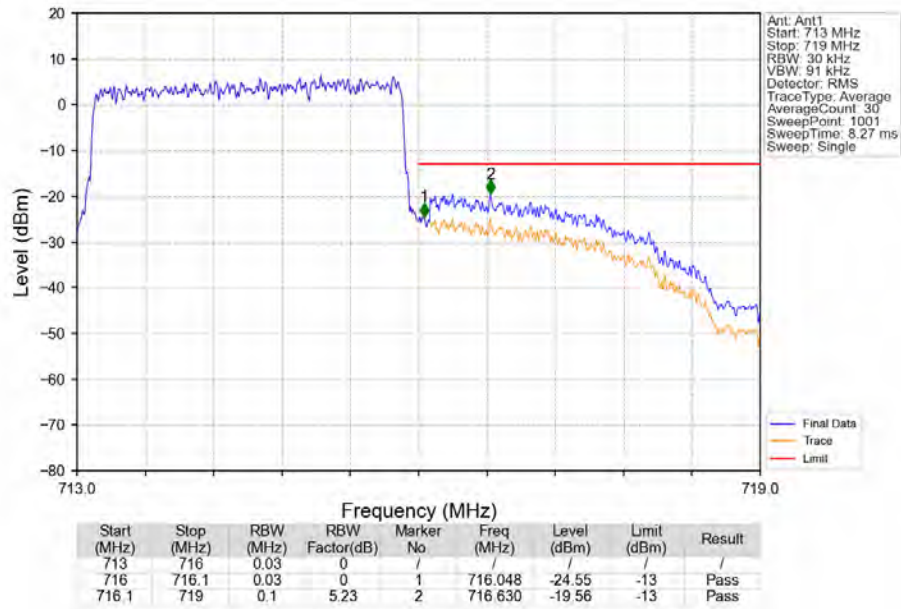
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



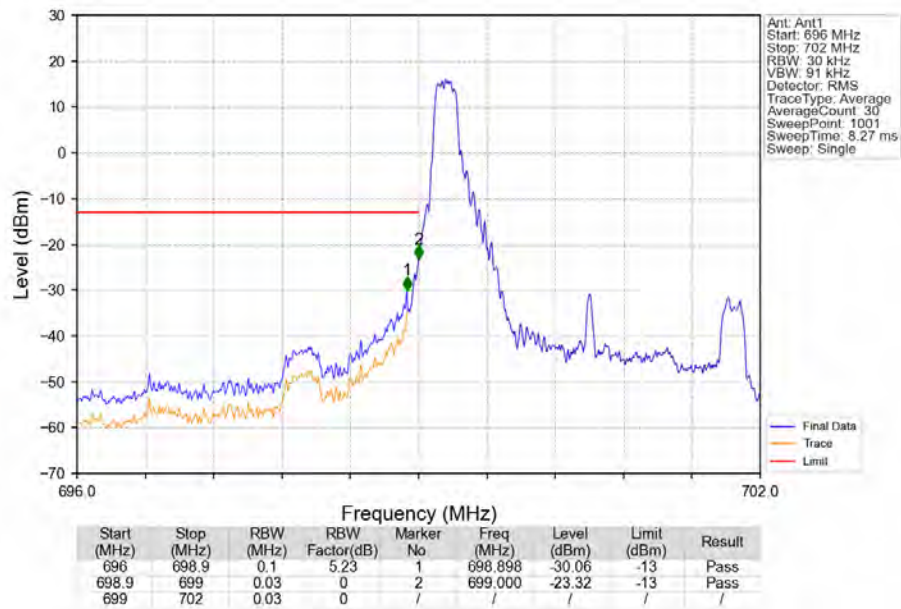
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



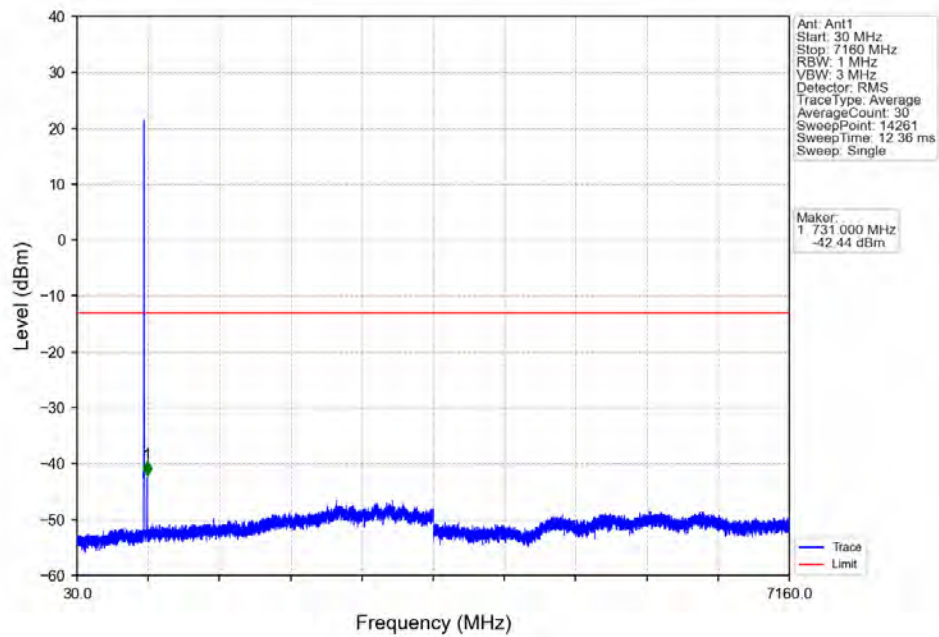
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



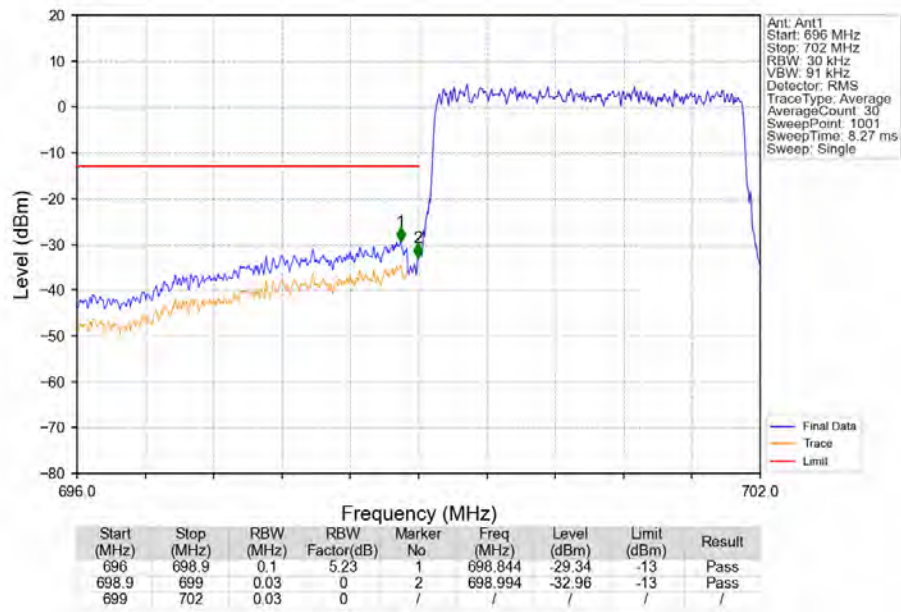
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



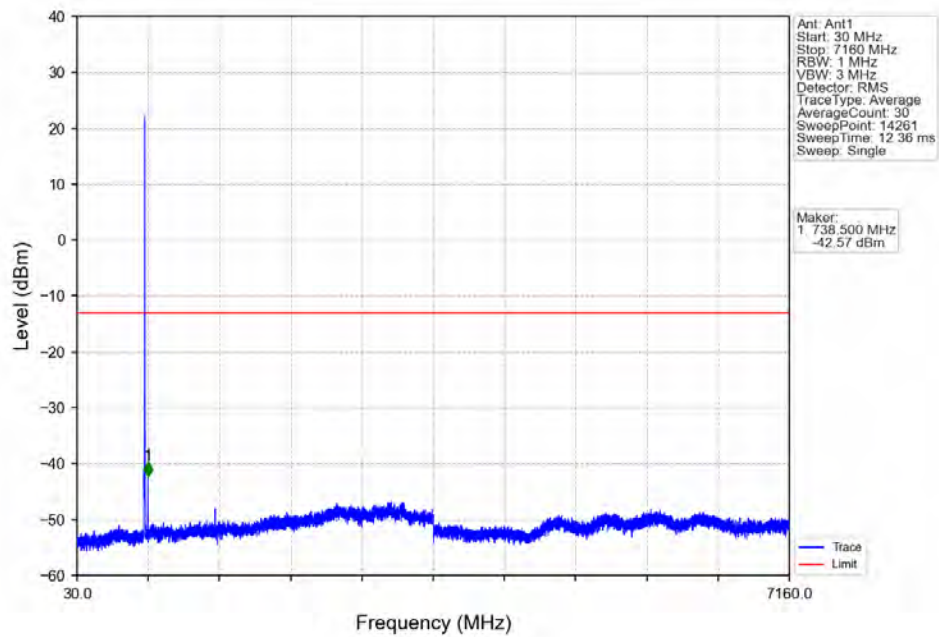
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



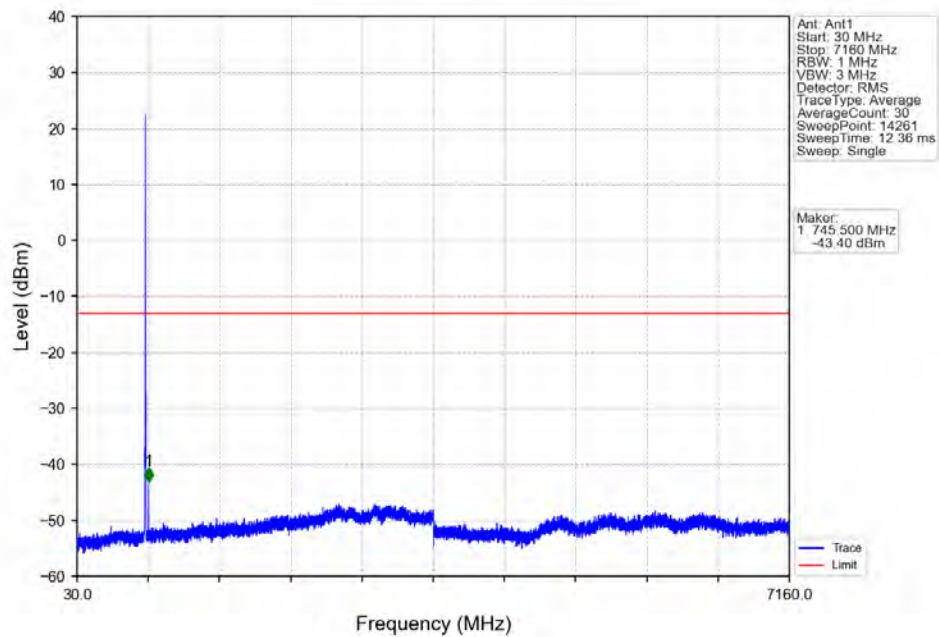
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



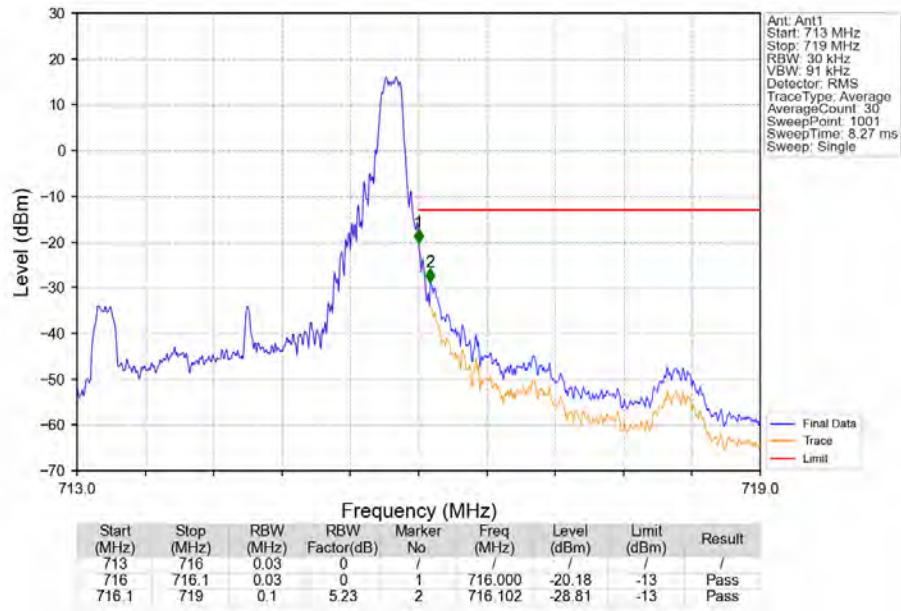
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



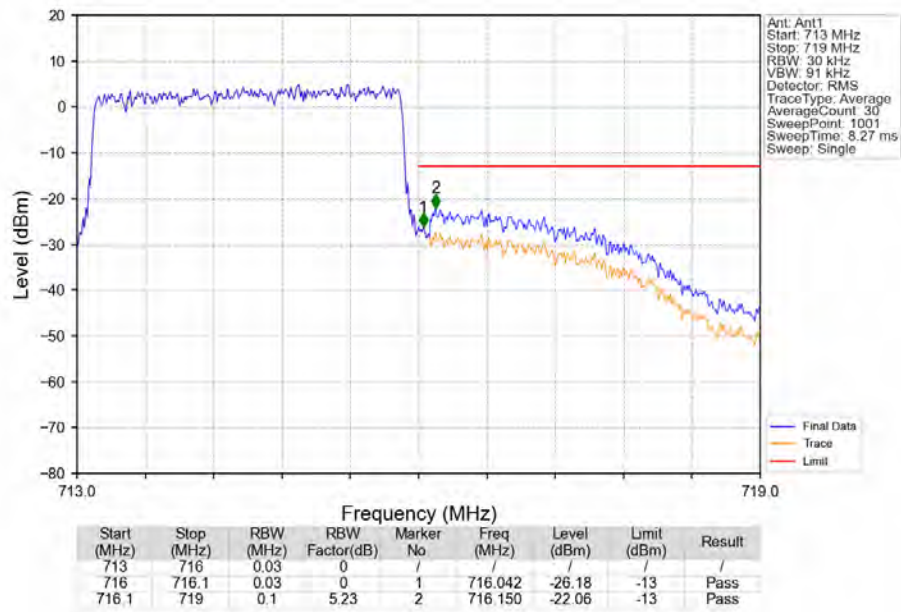
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

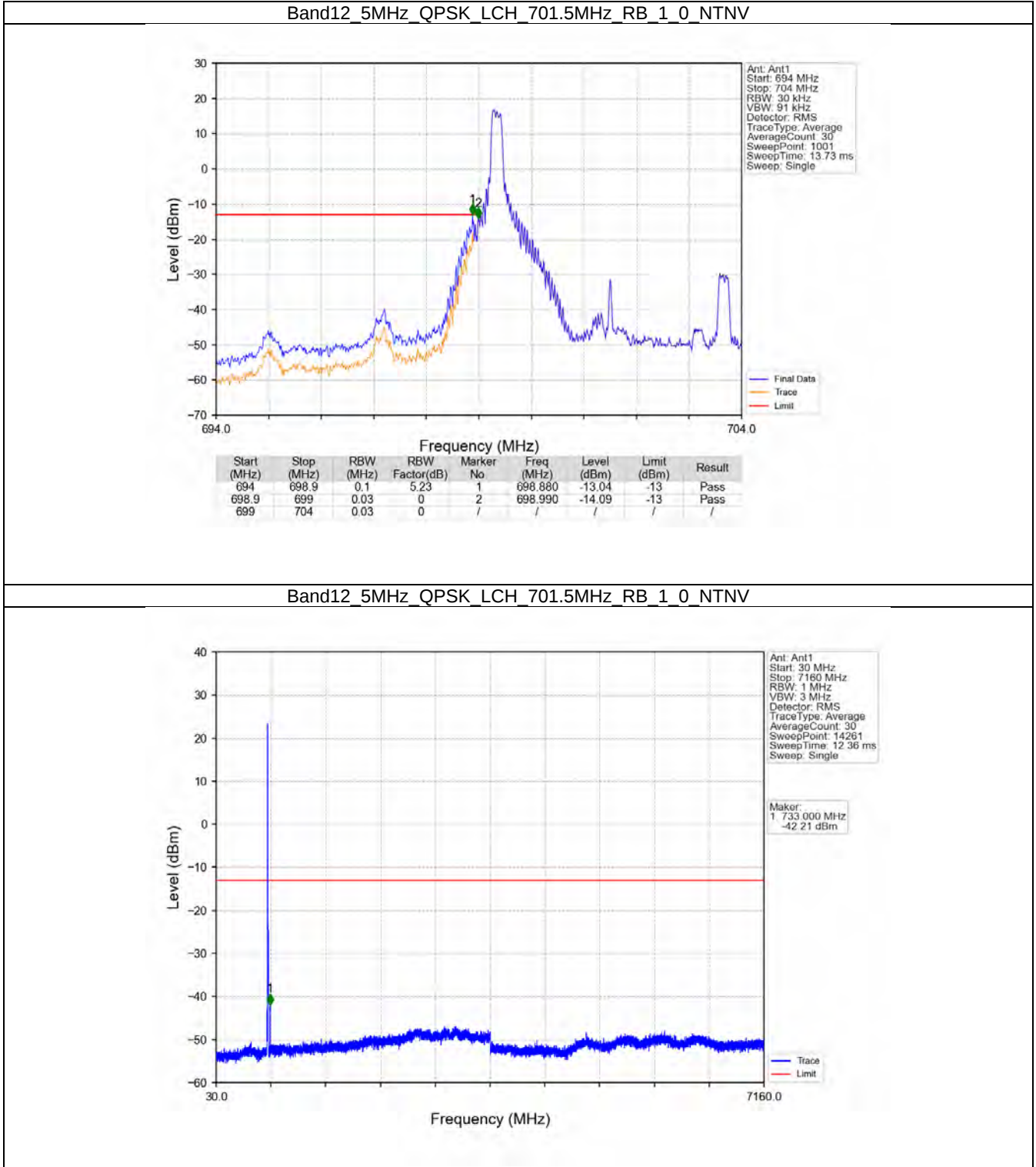


6.3 B12_5MHz

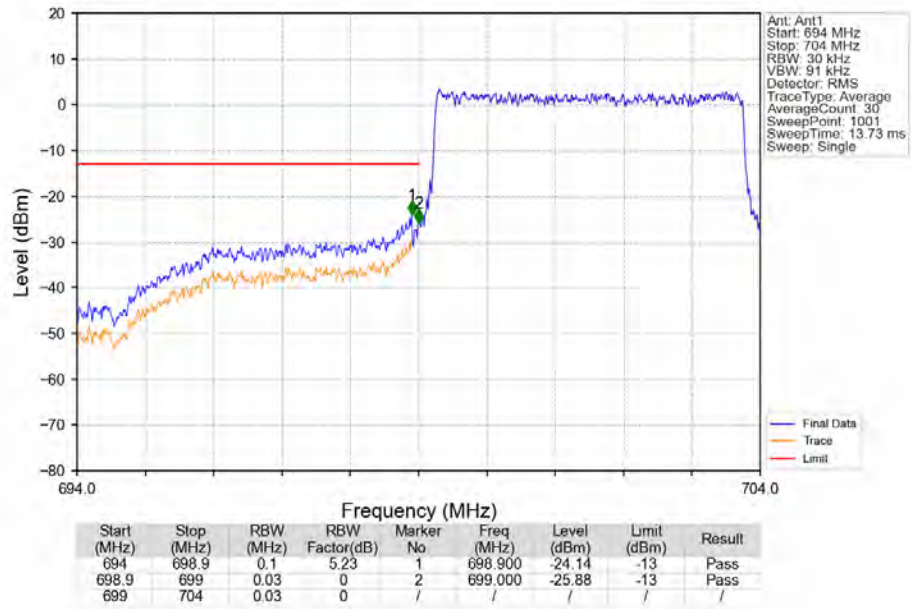
6.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTV						
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

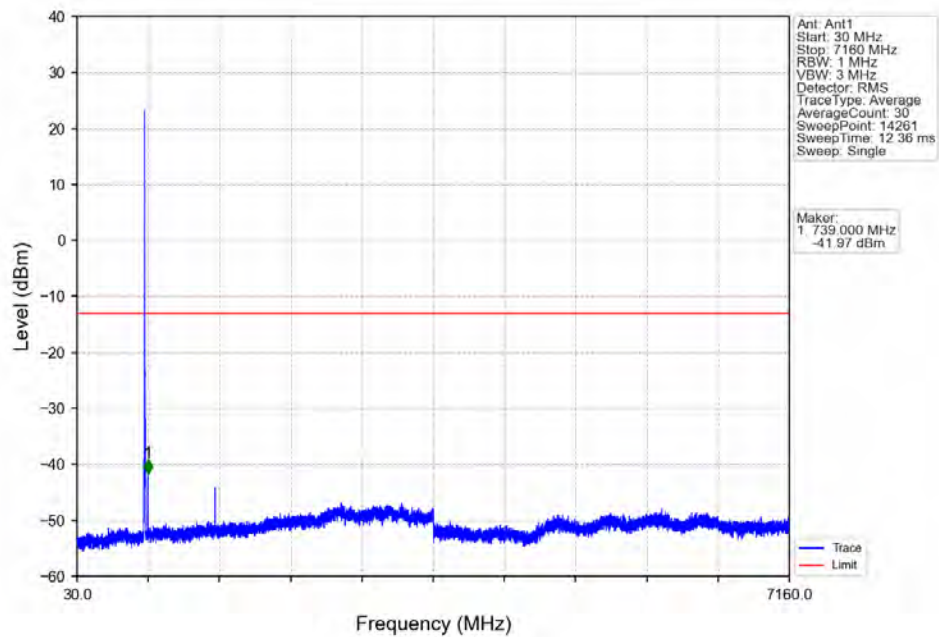
6.3.2 Test Graph



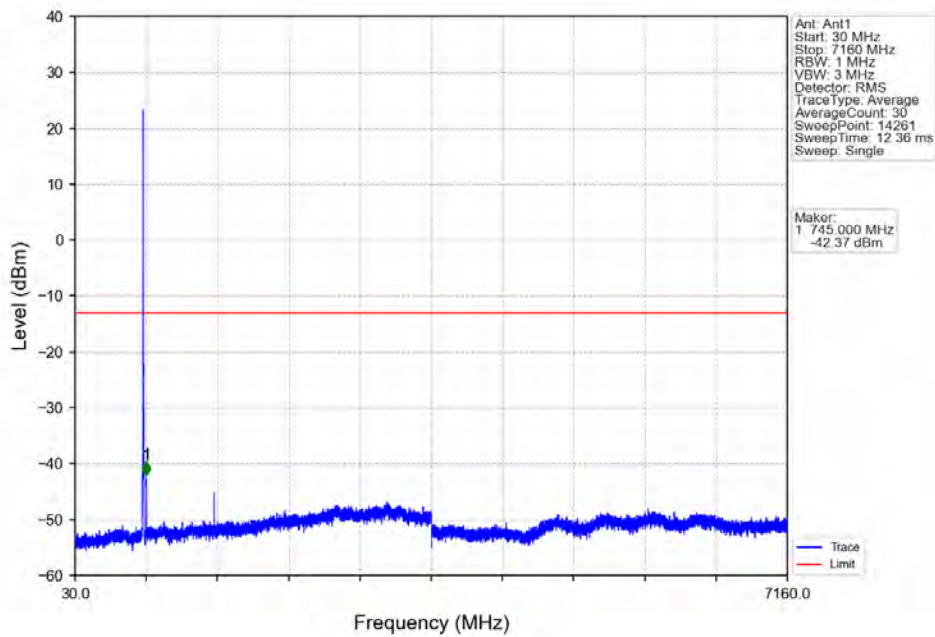
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



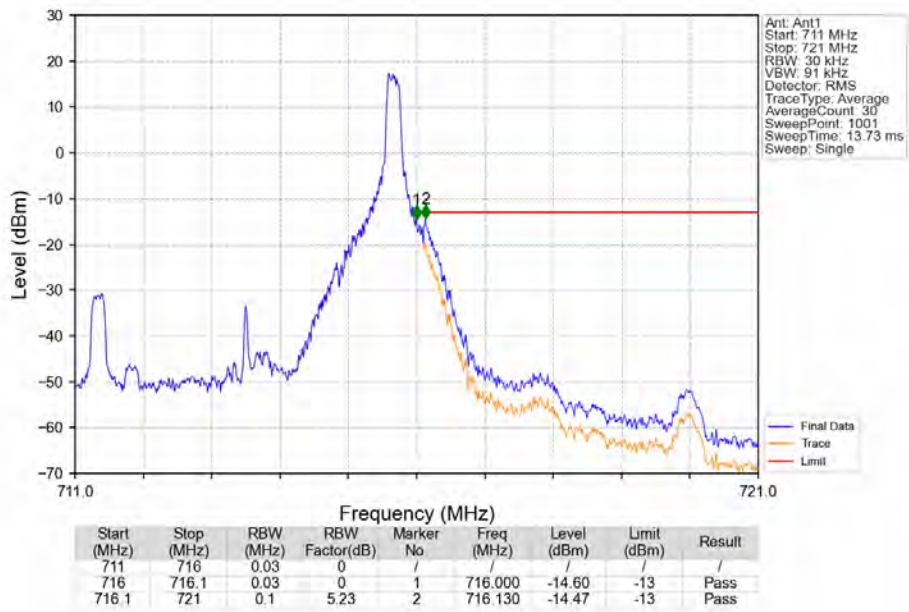
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



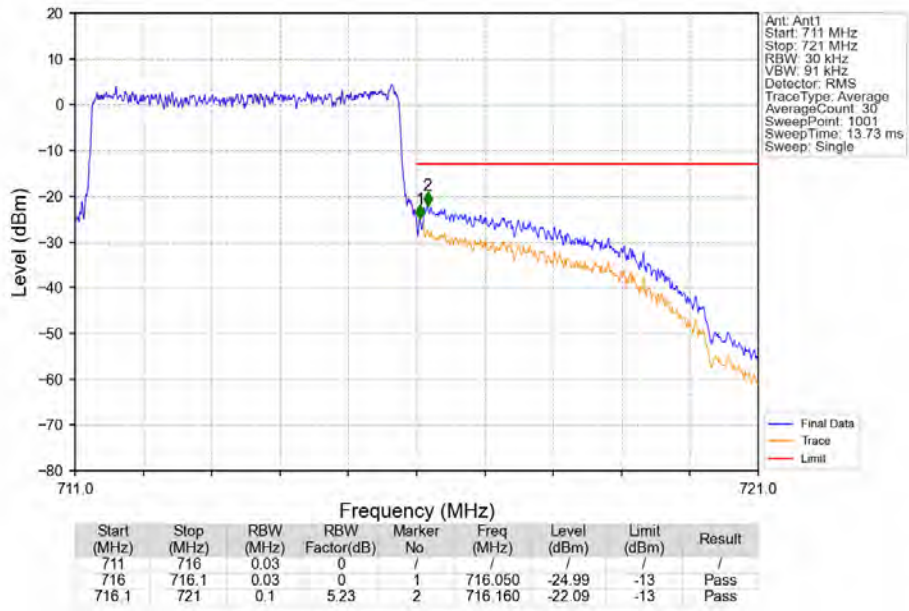
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



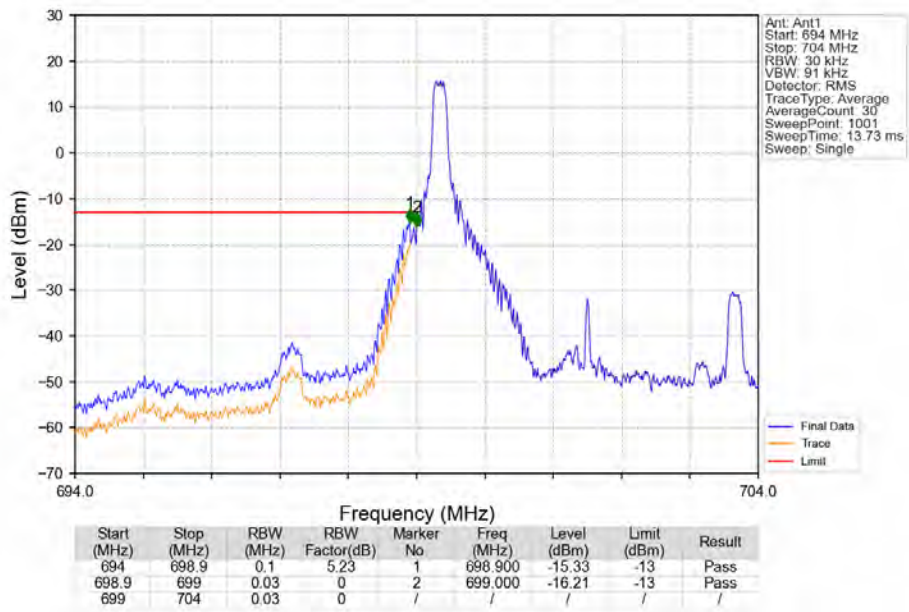
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



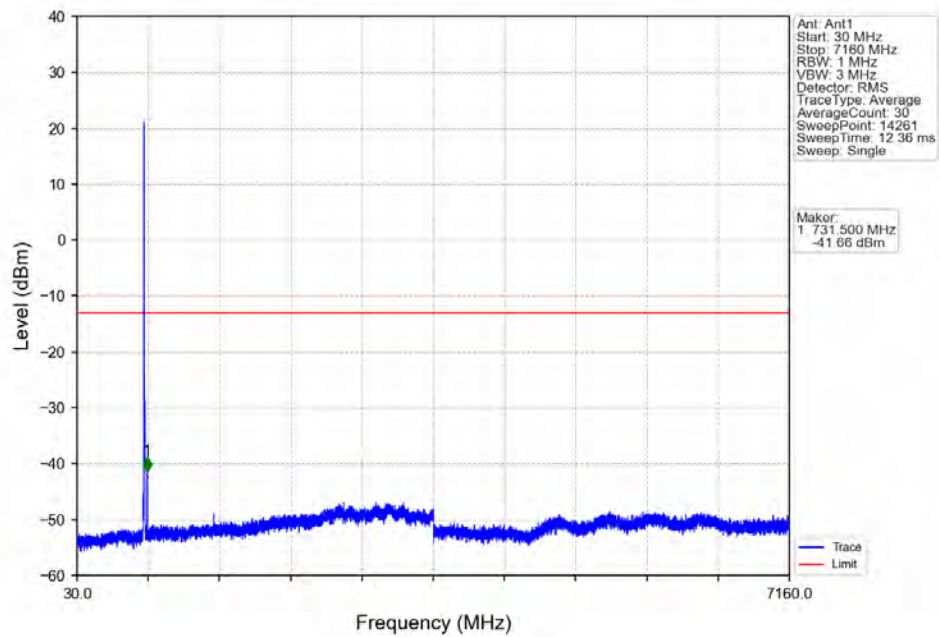
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



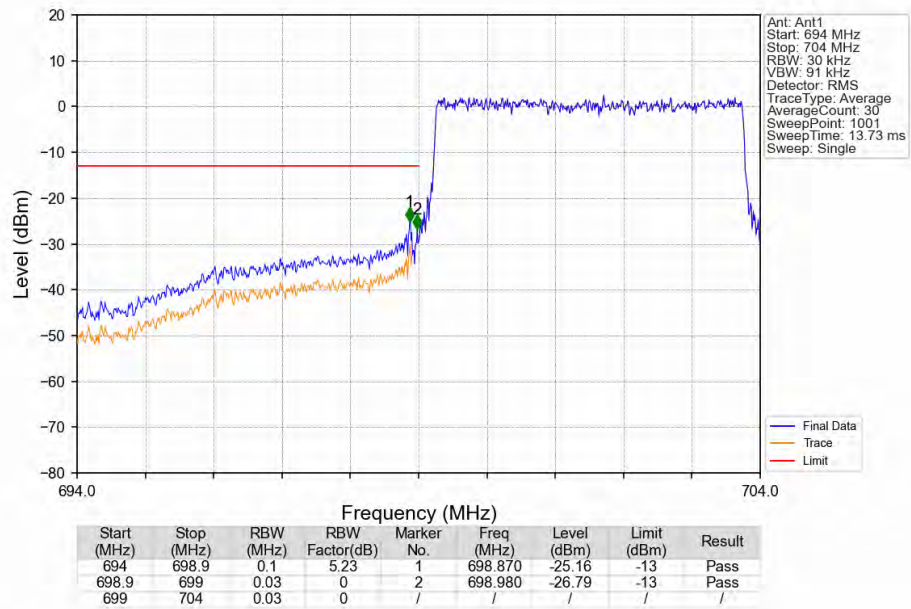
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



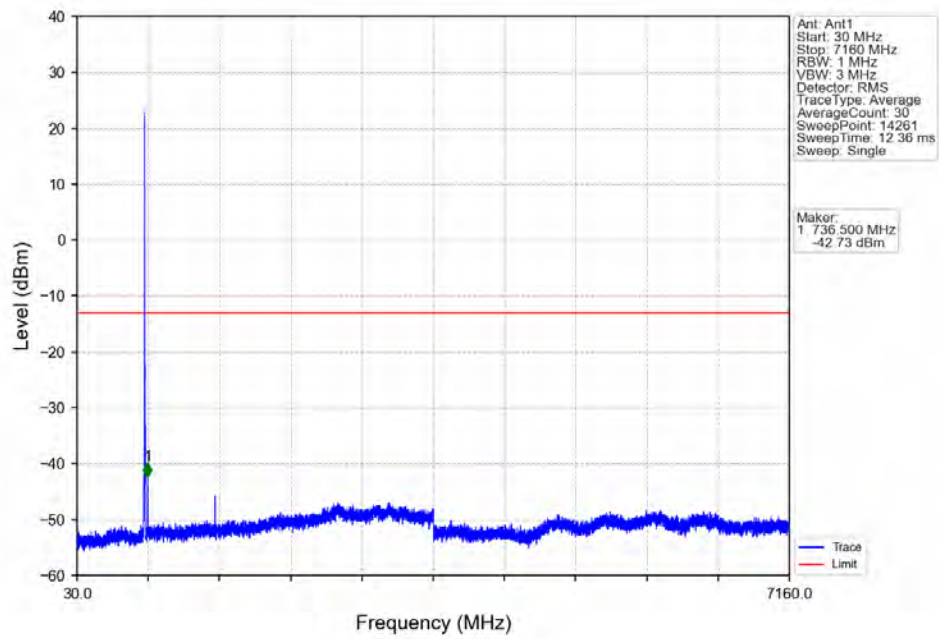
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



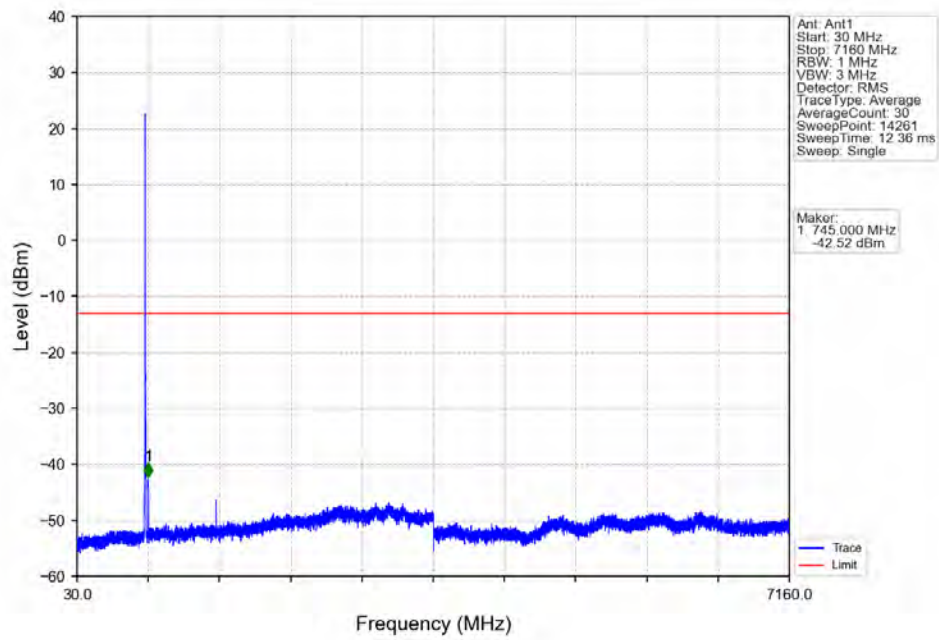
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



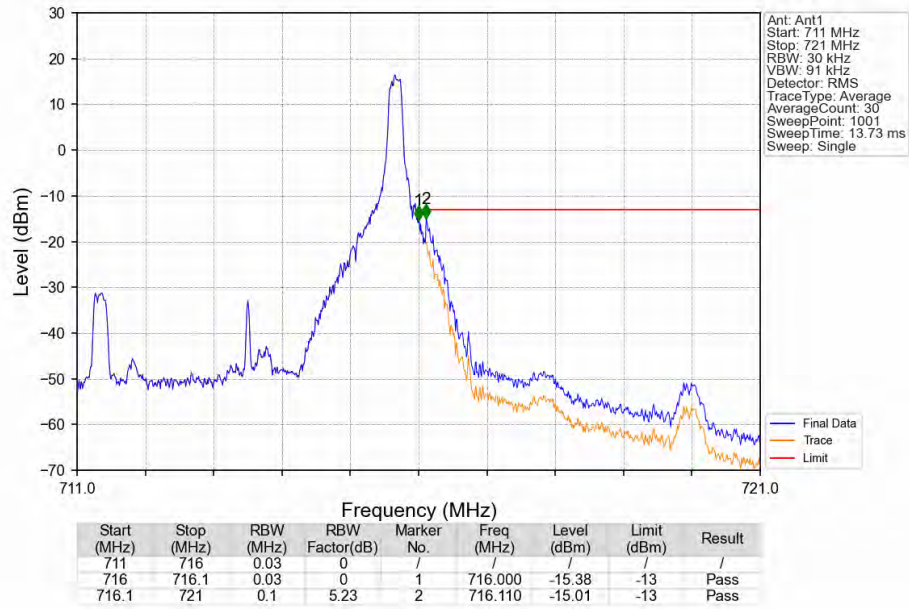
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



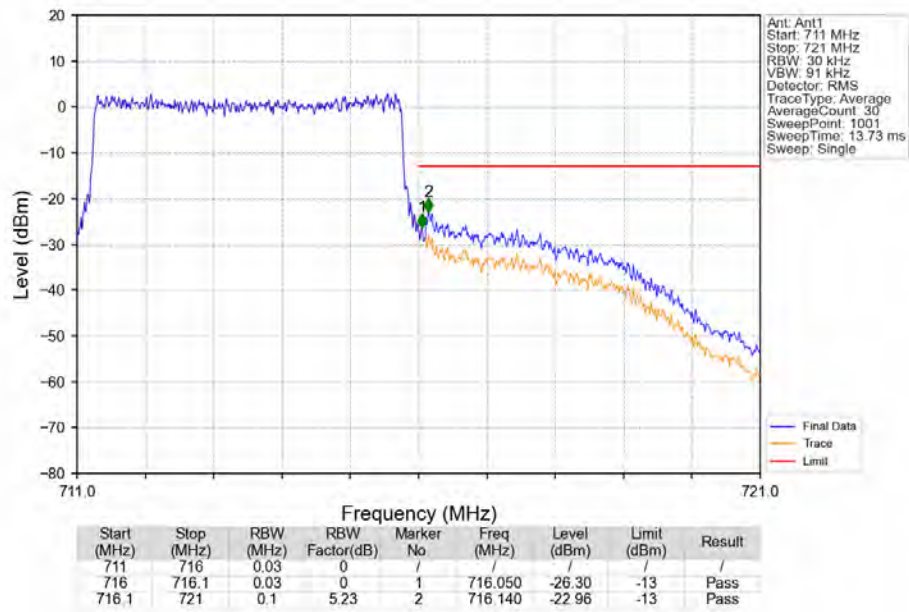
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

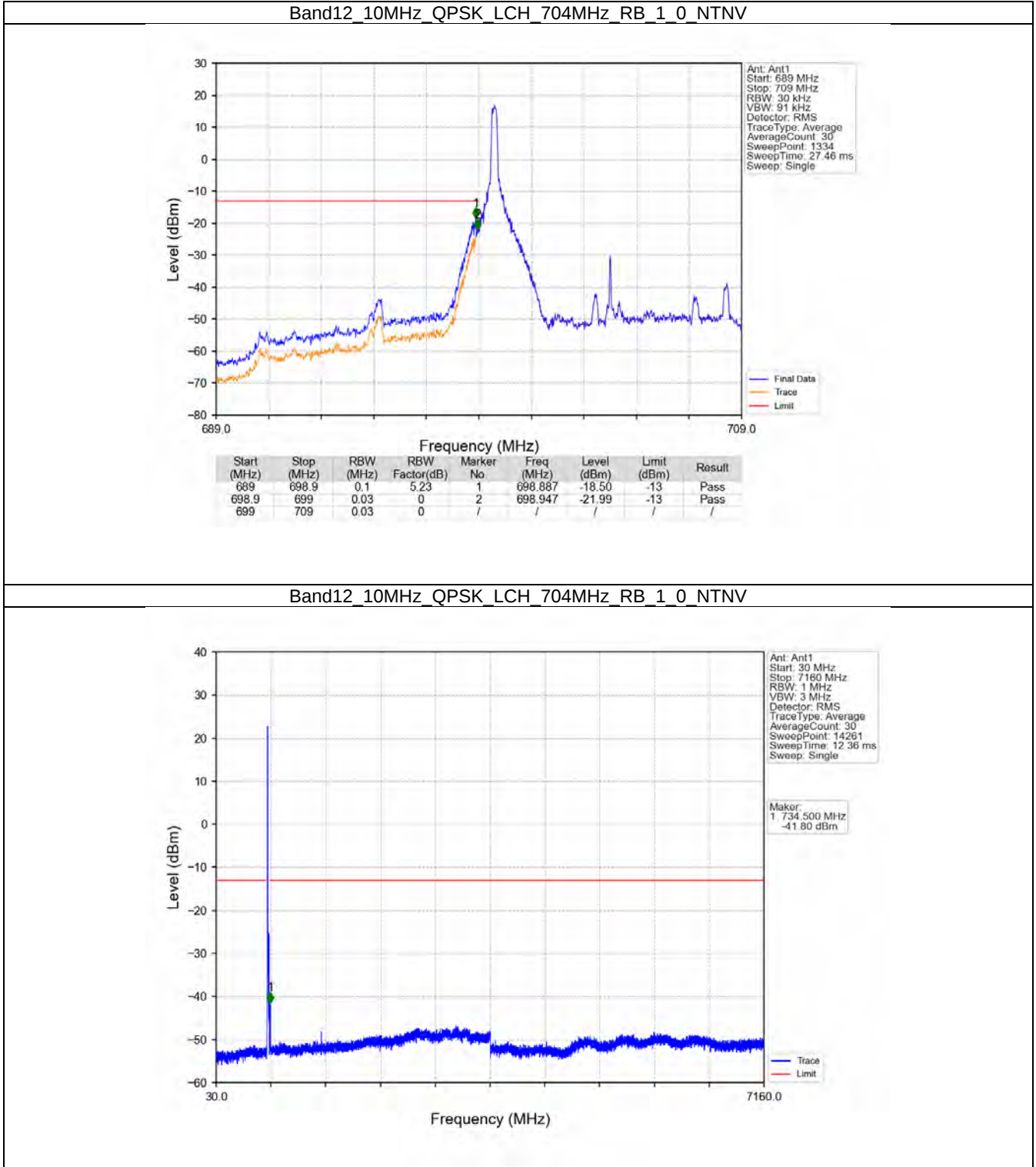


6.4 B12_10MHz

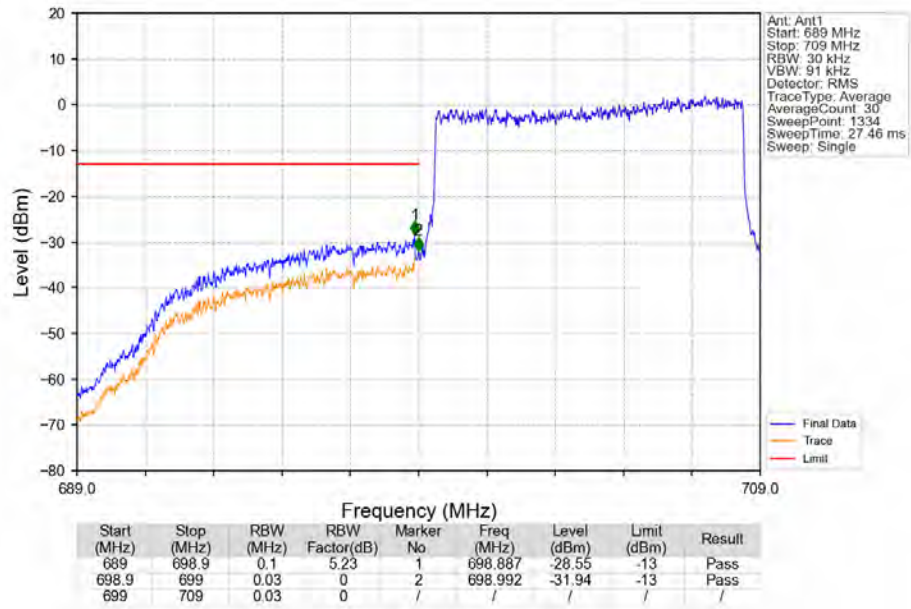
6.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTVN						
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	
	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	
	49			Refer To Test Graph		Pass
	50		0	Refer To Test Graph		Pass

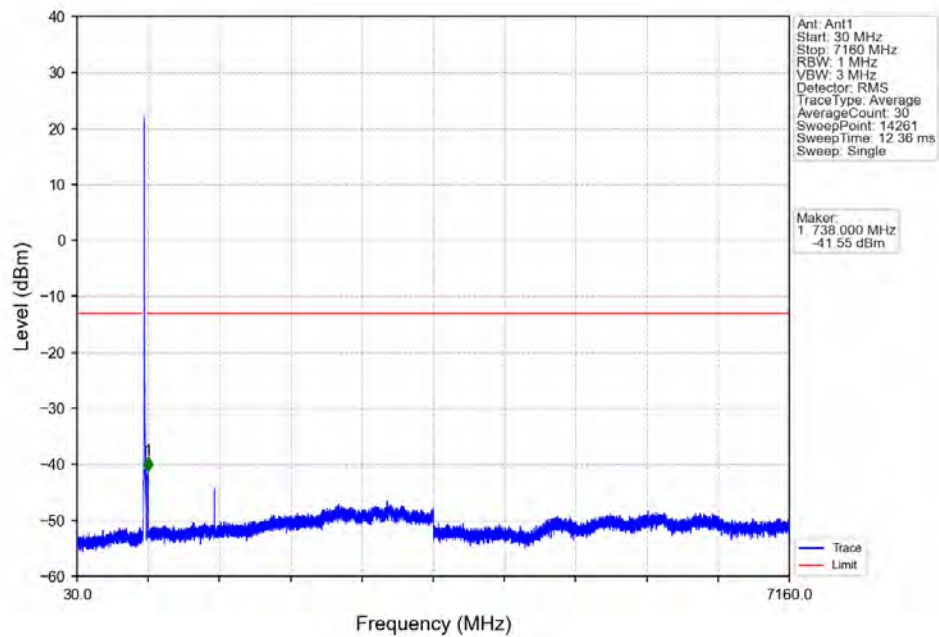
6.4.2 Test Graph



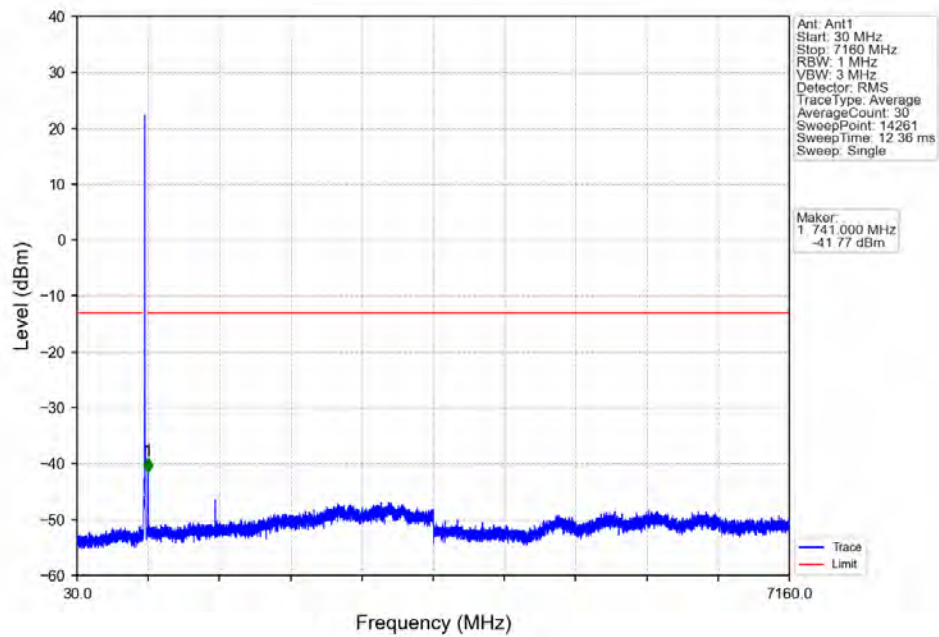
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



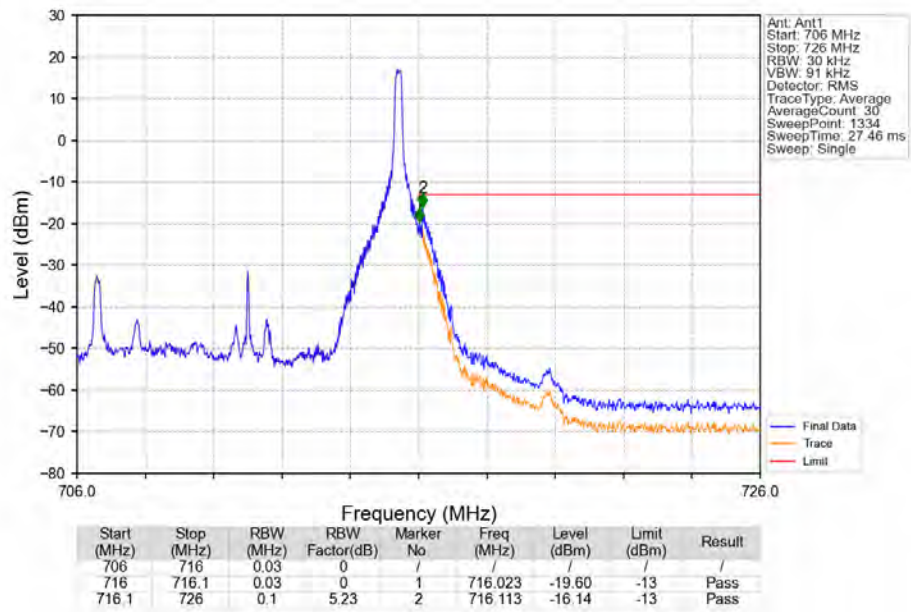
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



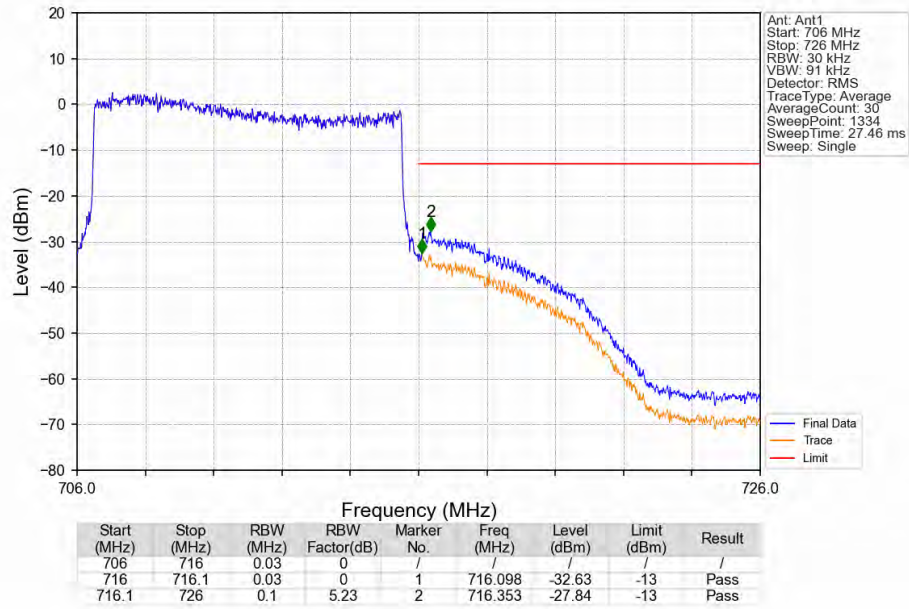
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



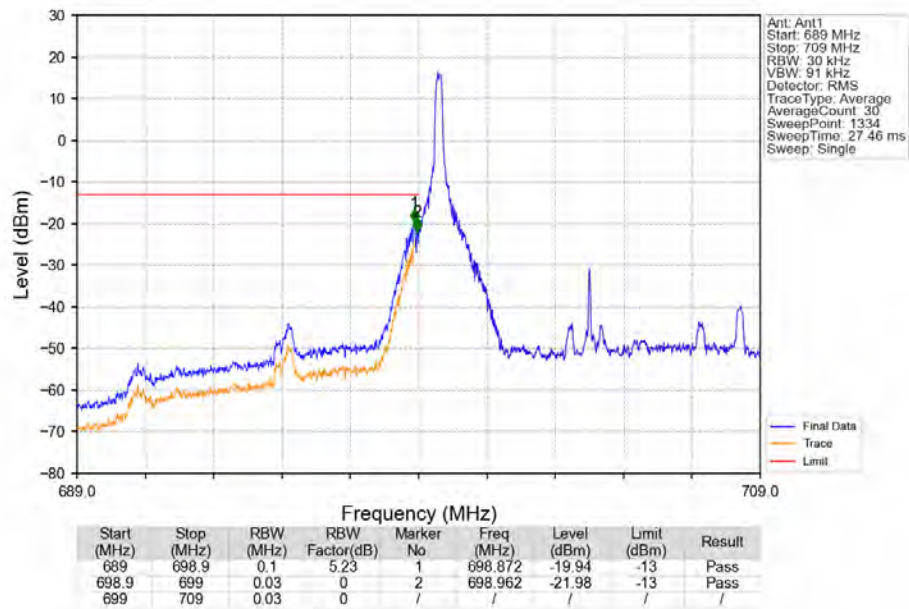
Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



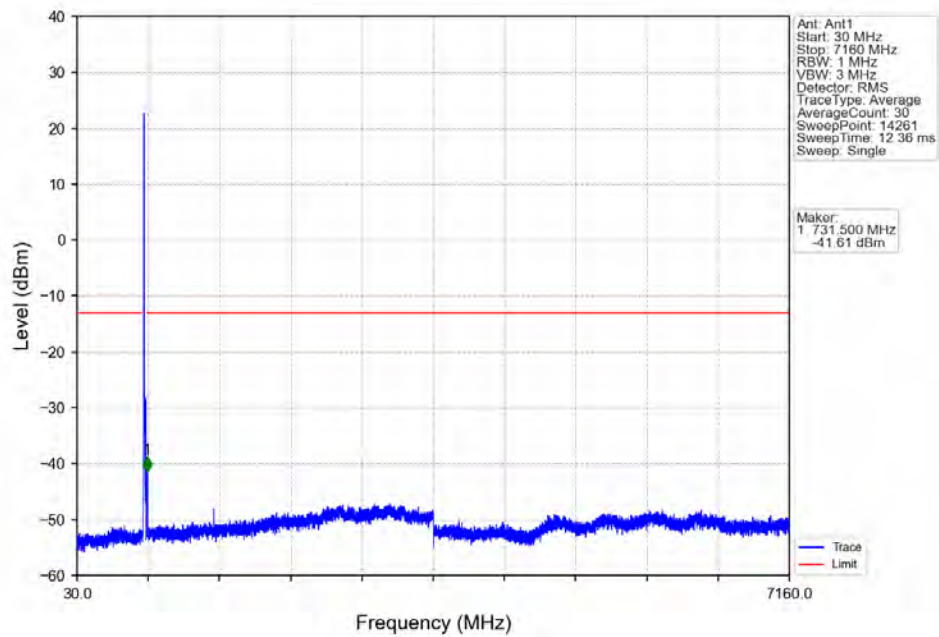
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



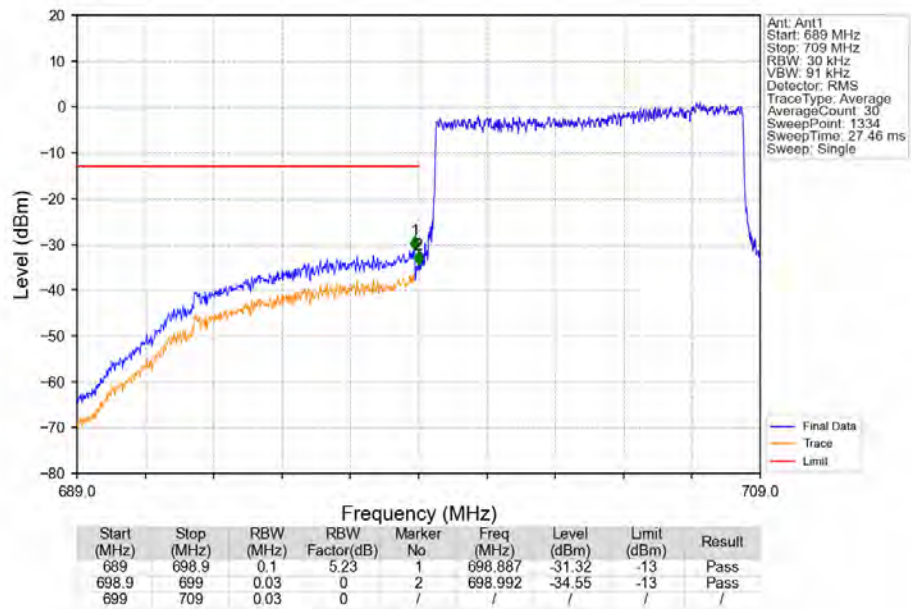
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



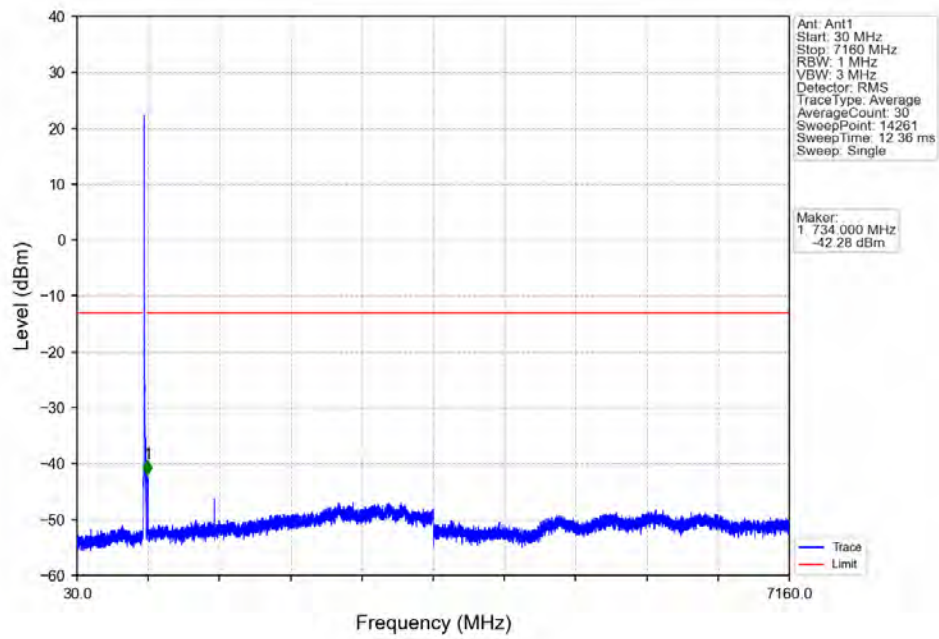
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



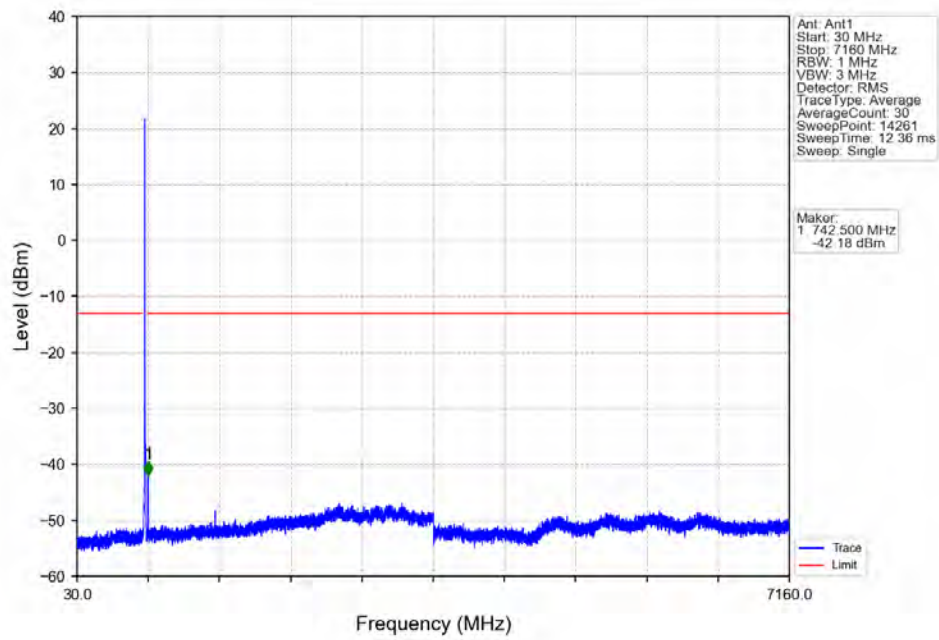
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



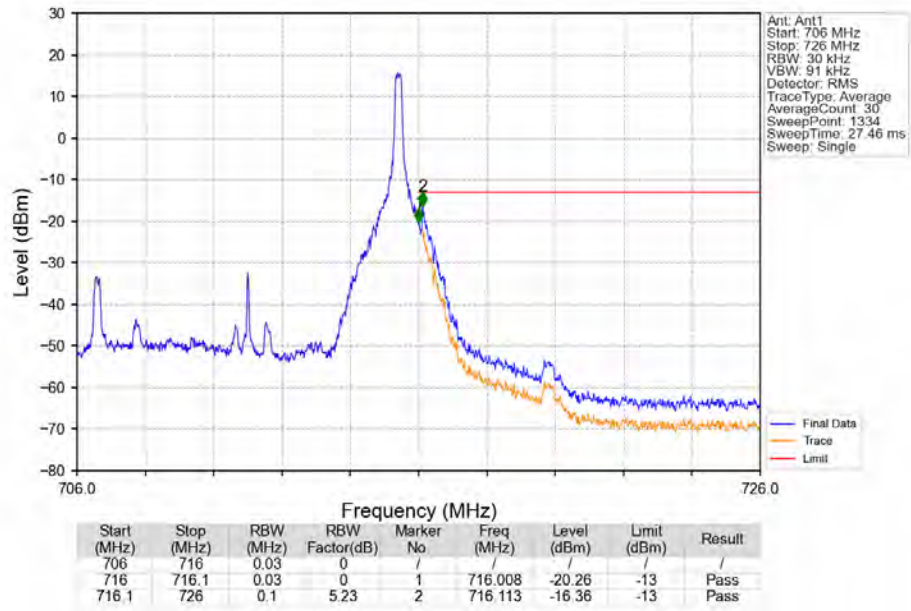
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



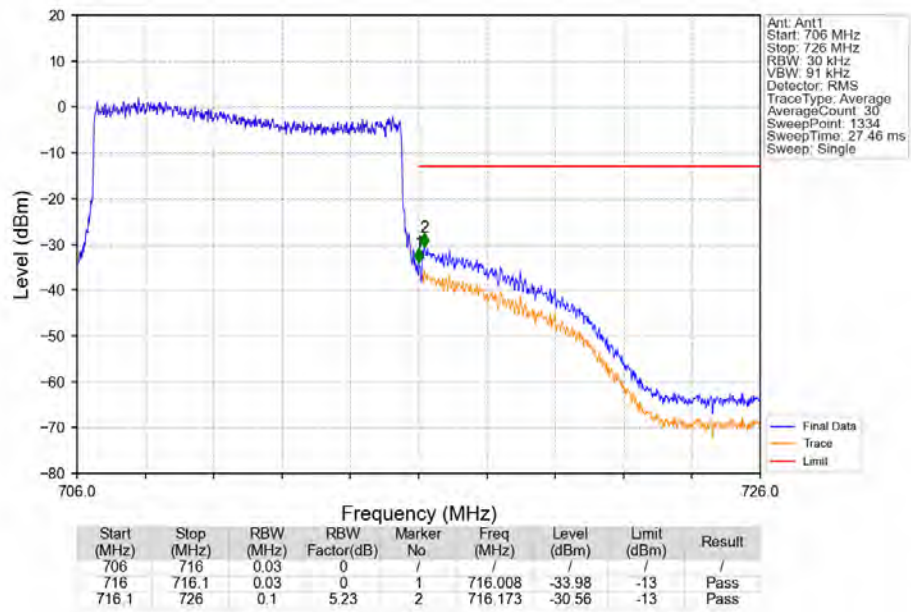
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



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)
12	1.4	699.7	715.3	0.2931	0.0133	ppm	1M11G7D	27H	24.67
12	1.4	699.7	715.3	0.2265	0.0158	ppm	1M11W7D	27H	23.55
12	3	700.5	714.5	0.2931	0.0189	ppm	2M74G7D	27H	24.67
12	3	700.5	714.5	0.2489	0.0160	ppm	2M73W7D	27H	23.96
12	5	701.5	713.5	0.2618	0.0173	ppm	4M59G7D	27H	24.18
12	5	701.5	713.5	0.2133	0.0136	ppm	4M62W7D	27H	23.29
12	10	704	711	0.2339	0.0147	ppm	9M10G7D	27H	23.69
12	10	704	711	0.1910	0.0127	ppm	9M14W7D	27H	22.81

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)
12	1.4	699.7	715.3	0.2037	0.0133	ppm	1M11G7D	27H	23.09
12	1.4	699.7	715.3	0.1574	0.0158	ppm	1M11W7D	27H	21.97
12	3	700.5	714.5	0.2037	0.0189	ppm	2M74G7D	27H	23.09
12	3	700.5	714.5	0.1730	0.0160	ppm	2M73W7D	27H	22.38
12	5	701.5	713.5	0.1820	0.0173	ppm	4M59G7D	27H	22.60
12	5	701.5	713.5	0.1483	0.0136	ppm	4M62W7D	27H	21.71
12	10	704	711	0.1626	0.0147	ppm	9M10G7D	27H	22.11
12	10	704	711	0.1327	0.0127	ppm	9M14W7D	27H	21.23