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	23.71	0.3	21.86	<=34.77	Pass
			2	23.78	0.3	21.93	<=34.77	Pass
			5	23.73	0.3	21.88	<=34.77	Pass
		3	0	23.70	0.3	21.85	<=34.77	Pass
			2	23.74	0.3	21.89	<=34.77	Pass
			3	23.75	0.3	21.9	<=34.77	Pass
		6	0	22.77	0.3	20.92	<=34.77	Pass
	707.5	1	0	23.86	0.3	22.01	<=34.77	Pass
			2	23.96	0.3	22.11	<=34.77	Pass
			5	23.84	0.3	21.99	<=34.77	Pass
		3	0	23.87	0.3	22.02	<=34.77	Pass
			2	23.90	0.3	22.05	<=34.77	Pass
			3	23.85	0.3	22	<=34.77	Pass
		6	0	22.91	0.3	21.06	<=34.77	Pass
	715.3	1	0	24.02	0.3	22.17	<=34.77	Pass
			2	24.23	0.3	22.38	<=34.77	Pass
			5	24.16	0.3	22.31	<=34.77	Pass
		3	0	23.92	0.3	22.07	<=34.77	Pass
			2	23.93	0.3	22.08	<=34.77	Pass
			3	23.89	0.3	22.04	<=34.77	Pass
		6	0	23.08	0.3	21.23	<=34.77	Pass
16QAM	699.7	1	0	22.75	0.3	20.9	<=34.77	Pass
			2	22.85	0.3	21	<=34.77	Pass
			5	22.78	0.3	20.93	<=34.77	Pass
		3	0	22.60	0.3	20.75	<=34.77	Pass
			2	22.68	0.3	20.83	<=34.77	Pass
			3	22.68	0.3	20.83	<=34.77	Pass
		6	0	21.68	0.3	19.83	<=34.77	Pass
	707.5	1	0	22.72	0.3	20.87	<=34.77	Pass
			2	22.89	0.3	21.04	<=34.77	Pass
			5	22.72	0.3	20.87	<=34.77	Pass
		3	0	22.97	0.3	21.12	<=34.77	Pass
			2	23.01	0.3	21.16	<=34.77	Pass
			3	22.98	0.3	21.13	<=34.77	Pass
		6	0	21.83	0.3	19.98	<=34.77	Pass
	715.3	1	0	22.86	0.3	21.01	<=34.77	Pass
			2	22.96	0.3	21.11	<=34.77	Pass
			5	22.86	0.3	21.01	<=34.77	Pass
		3	0	22.85	0.3	21	<=34.77	Pass
			2	22.81	0.3	20.96	<=34.77	Pass
			3	22.81	0.3	20.96	<=34.77	Pass
		6	0	21.80	0.3	19.95	<=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 / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.89	0.3	22.04	<=34.77	Pass
			7	24.03	0.3	22.18	<=34.77	Pass
			14	23.93	0.3	22.08	<=34.77	Pass
		8	0	22.83	0.3	20.98	<=34.77	Pass
			4	22.87	0.3	21.02	<=34.77	Pass
			7	22.83	0.3	20.98	<=34.77	Pass
		15	0	22.78	0.3	20.93	<=34.77	Pass
	707.5	1	0	23.97	0.3	22.12	<=34.77	Pass
			7	24.11	0.3	22.26	<=34.77	Pass
			14	24.01	0.3	22.16	<=34.77	Pass
		8	0	22.94	0.3	21.09	<=34.77	Pass
			4	23.01	0.3	21.16	<=34.77	Pass
			7	23.02	0.3	21.17	<=34.77	Pass
		15	0	22.93	0.3	21.08	<=34.77	Pass
	714.5	1	0	24.06	0.3	22.21	<=34.77	Pass
			7	24.25	0.3	22.4	<=34.77	Pass
			14	24.22	0.3	22.37	<=34.77	Pass
		8	0	23.07	0.3	21.22	<=34.77	Pass
			4	23.12	0.3	21.27	<=34.77	Pass
			7	23.12	0.3	21.27	<=34.77	Pass
		15	0	23.02	0.3	21.17	<=34.77	Pass
16QAM	700.5	1	0	22.73	0.3	20.88	<=34.77	Pass
			7	22.94	0.3	21.09	<=34.77	Pass
			14	22.86	0.3	21.01	<=34.77	Pass
		8	0	21.79	0.3	19.94	<=34.77	Pass
			4	21.86	0.3	20.01	<=34.77	Pass
			7	21.81	0.3	19.96	<=34.77	Pass
		15	0	21.78	0.3	19.93	<=34.77	Pass
	707.5	1	0	23.03	0.3	21.18	<=34.77	Pass
			7	23.19	0.3	21.34	<=34.77	Pass
			14	23.04	0.3	21.19	<=34.77	Pass
		8	0	21.83	0.3	19.98	<=34.77	Pass
			4	21.87	0.3	20.02	<=34.77	Pass
			7	21.88	0.3	20.03	<=34.77	Pass
		15	0	21.84	0.3	19.99	<=34.77	Pass
	714.5	1	0	23.46	0.3	21.61	<=34.77	Pass
			7	23.53	0.3	21.68	<=34.77	Pass
			14	23.32	0.3	21.47	<=34.77	Pass
		8	0	22.13	0.3	20.28	<=34.77	Pass
			4	22.19	0.3	20.34	<=34.77	Pass
			7	22.11	0.3	20.26	<=34.77	Pass
		15	0	22.01	0.3	20.16	<=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 / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.64	0.61	22.10	<=34.77	Pass
			13	23.84	0.61	22.30	<=34.77	Pass
			24	23.79	0.61	22.25	<=34.77	Pass
		12	0	22.78	0.61	21.24	<=34.77	Pass
			6	22.79	0.61	21.25	<=34.77	Pass
			13	22.62	0.61	21.08	<=34.77	Pass
		25	0	22.68	0.61	21.14	<=34.77	Pass
	707.5	1	0	23.76	0.61	22.22	<=34.77	Pass
			13	23.92	0.61	22.38	<=34.77	Pass
			24	23.82	0.61	22.28	<=34.77	Pass
		12	0	22.70	0.61	21.16	<=34.77	Pass
			6	22.84	0.61	21.30	<=34.77	Pass
			13	22.92	0.61	21.38	<=34.77	Pass
		25	0	22.84	0.61	21.30	<=34.77	Pass
	713.5	1	0	23.78	0.61	22.24	<=34.77	Pass
			13	24.00	0.61	22.46	<=34.77	Pass
			24	23.98	0.61	22.44	<=34.77	Pass
		12	0	23.06	0.61	21.52	<=34.77	Pass
			6	22.96	0.61	21.42	<=34.77	Pass
			13	22.81	0.61	21.27	<=34.77	Pass
		25	0	22.99	0.61	21.45	<=34.77	Pass
16QAM	701.5	1	0	22.61	0.61	21.07	<=34.77	Pass
			13	22.86	0.61	21.32	<=34.77	Pass
			24	22.81	0.61	21.27	<=34.77	Pass
		12	0	21.73	0.61	20.19	<=34.77	Pass
			6	21.74	0.61	20.20	<=34.77	Pass
			13	21.60	0.61	20.06	<=34.77	Pass
		25	0	21.65	0.61	20.11	<=34.77	Pass
	707.5	1	0	22.91	0.61	21.37	<=34.77	Pass
			13	23.00	0.61	21.46	<=34.77	Pass
			24	22.93	0.61	21.39	<=34.77	Pass
		12	0	21.71	0.61	20.17	<=34.77	Pass
			6	21.83	0.61	20.29	<=34.77	Pass
			13	21.92	0.61	20.38	<=34.77	Pass
		25	0	21.76	0.61	20.22	<=34.77	Pass
	713.5	1	0	22.57	0.61	21.03	<=34.77	Pass
			13	22.78	0.61	21.24	<=34.77	Pass
			24	22.64	0.61	21.10	<=34.77	Pass
		12	0	22.01	0.61	20.47	<=34.77	Pass
			6	21.93	0.61	20.39	<=34.77	Pass
			13	21.79	0.61	20.25	<=34.77	Pass
		25	0	21.96	0.61	20.42	<=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	23.71	0.3	21.79	<=34.77	Pass
			25	24.11	0.3	21.99	<=34.77	Pass
			49	23.97	0.3	21.94	<=34.77	Pass
		25	0	23.03	0.3	20.93	<=34.77	Pass
			13	22.88	0.3	20.94	<=34.77	Pass
			25	23.12	0.3	20.77	<=34.77	Pass
		50	0	23.07	0.3	20.83	<=34.77	Pass
	707.5	1	0	23.72	0.3	21.91	<=34.77	Pass
			25	24.08	0.3	22.07	<=34.77	Pass
			49	23.92	0.3	21.97	<=34.77	Pass
		25	0	22.75	0.3	20.85	<=34.77	Pass
			13	22.88	0.3	20.99	<=34.77	Pass
			25	22.96	0.3	21.07	<=34.77	Pass
		50	0	22.89	0.3	20.99	<=34.77	Pass
	711	1	0	23.84	0.3	21.93	<=34.77	Pass
			25	24.12	0.3	22.15	<=34.77	Pass
			49	24.09	0.3	22.13	<=34.77	Pass
		25	0	22.68	0.3	21.21	<=34.77	Pass
			13	22.90	0.3	21.11	<=34.77	Pass
			25	22.68	0.3	20.96	<=34.77	Pass
		50	0	22.73	0.3	21.14	<=34.77	Pass
16QAM	704	1	0	22.58	0.3	20.76	<=34.77	Pass
			25	22.99	0.3	21.01	<=34.77	Pass
			49	22.78	0.3	20.96	<=34.77	Pass
		25	0	22.07	0.3	19.88	<=34.77	Pass
			13	21.92	0.3	19.89	<=34.77	Pass
			25	22.10	0.3	19.75	<=34.77	Pass
		50	0	22.02	0.3	19.8	<=34.77	Pass
	707.5	1	0	22.78	0.3	21.06	<=34.77	Pass
			25	23.13	0.3	21.15	<=34.77	Pass
			49	23.04	0.3	21.08	<=34.77	Pass
		25	0	21.74	0.3	19.86	<=34.77	Pass
			13	21.89	0.3	19.98	<=34.77	Pass
			25	21.91	0.3	20.07	<=34.77	Pass
		50	0	21.85	0.3	19.91	<=34.77	Pass
	711	1	0	23.19	0.3	20.72	<=34.77	Pass
			25	23.50	0.3	20.93	<=34.77	Pass
			49	23.28	0.3	20.79	<=34.77	Pass
		25	0	21.67	0.3	20.16	<=34.77	Pass
			13	21.91	0.3	20.08	<=34.77	Pass
			25	21.69	0.3	19.94	<=34.77	Pass
		50	0	21.67	0.3	20.11	<=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	-9.384	-0.0134	-2.5 to 2.5	Pass
					3.85	-1.516	-0.0022	-2.5 to 2.5	Pass
					4.43	-5.894	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-5.236	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-7.367	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-5.908	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-5.693	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-6.266	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-5.636	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-4.649	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-6.037	-0.0086	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-6.537	-0.0092	-2.5 to 2.5	Pass
					3.85	-7.968	-0.0113	-2.5 to 2.5	Pass
					4.43	-6.266	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-5.193	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-7.710	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-3.533	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-6.938	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-10.772	-0.0152	-2.5 to 2.5	Pass
				30	3.85	-9.856	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-6.952	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-6.223	-0.0088	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-3.347	-0.0047	-2.5 to 2.5	Pass
					3.85	-7.467	-0.0104	-2.5 to 2.5	Pass
					4.43	-9.828	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-5.007	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-7.954	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-6.437	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-6.537	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-1.802	-0.0025	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-3.562	-0.0051	-2.5 to 2.5	Pass
					3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
					4.43	-7.310	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-4.950	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-5.136	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-4.478	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-6.909	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-6.623	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-2.961	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-6.166	-0.0088	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-8.512	-0.0120	-2.5 to 2.5	Pass
					3.85	-10.085	-0.0143	-2.5 to 2.5	Pass
					4.43	-9.170	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-5.507	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-6.394	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-7.410	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-6.623	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-3.262	-0.0046	-2.5 to 2.5	Pass

				30	3.85	-8.211	-0.0116	-2.5 to 2.5	Pass
				40	3.85	-6.723	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-9.627	-0.0135	-2.5 to 2.5	Pass
					3.85	-2.918	-0.0041	-2.5 to 2.5	Pass
					4.43	-5.965	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-8.225	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-5.279	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-7.038	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-7.224	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-8.011	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-6.895	-0.0096	-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	-5.035	-0.0072	-2.5 to 2.5	Pass
					3.85	-5.078	-0.0072	-2.5 to 2.5	Pass
					4.43	-9.813	-0.0140	-2.5 to 2.5	Pass
				-30	3.85	-6.981	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-5.150	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-3.448	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-5.937	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-4.506	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-7.296	-0.0104	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-5.350	-0.0076	-2.5 to 2.5	Pass
					3.85	-6.967	-0.0098	-2.5 to 2.5	Pass
					4.43	-7.224	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-7.668	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-3.877	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-5.450	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-6.008	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-9.170	-0.0130	-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	-4.764	-0.0067	-2.5 to 2.5	Pass
					3.85	-9.212	-0.0129	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-10.672	-0.0149	-2.5 to 2.5	Pass
				-10	3.85	-4.935	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-6.180	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-6.809	-0.0095	-2.5 to 2.5	Pass

				30	3.85	-7.281	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-8.440	-0.0118	-2.5 to 2.5	Pass
				50	3.85	-5.894	-0.0082	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-5.121	-0.0073	-2.5 to 2.5	Pass
					3.85	-5.794	-0.0083	-2.5 to 2.5	Pass
					4.43	-6.909	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-7.725	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-9.298	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-8.454	-0.0121	-2.5 to 2.5	Pass
				10	3.85	-9.642	-0.0138	-2.5 to 2.5	Pass
				30	3.85	-6.194	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-6.180	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-8.984	-0.0128	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-5.035	-0.0071	-2.5 to 2.5	Pass
					3.85	-6.166	-0.0087	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-7.596	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-5.980	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-1.459	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-7.367	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-5.565	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-6.394	-0.0090	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-4.807	-0.0067	-2.5 to 2.5	Pass
					3.85	-6.280	-0.0088	-2.5 to 2.5	Pass
					4.43	-11.129	-0.0156	-2.5 to 2.5	Pass
				-30	3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-11.401	-0.0160	-2.5 to 2.5	Pass
				-10	3.85	-9.699	-0.0136	-2.5 to 2.5	Pass
				0	3.85	-9.041	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-6.566	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-4.077	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-5.579	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-3.061	-0.0043	-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	-3.748	-0.0053	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0080	-2.5 to 2.5	Pass
					4.43	-7.682	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-7.682	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-6.995	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-7.553	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-7.796	-0.0111	-2.5 to 2.5	Pass

				30	3.85	-6.866	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-4.005	-0.0057	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.566	-0.0093	-2.5 to 2.5	Pass
					3.85	-8.011	-0.0113	-2.5 to 2.5	Pass
					4.43	-7.024	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-5.651	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-9.356	-0.0132	-2.5 to 2.5	Pass
				-10	3.85	-12.345	-0.0174	-2.5 to 2.5	Pass
				0	3.85	-7.939	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-4.134	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-5.350	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-3.891	-0.0055	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-5.436	-0.0076	-2.5 to 2.5	Pass
					3.85	-4.964	-0.0070	-2.5 to 2.5	Pass
					4.43	-7.153	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-5.336	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-7.367	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-3.304	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-7.710	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-6.151	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-9.427	-0.0132	-2.5 to 2.5	Pass
				40	3.85	-5.107	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-8.097	-0.0113	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-5.264	-0.0075	-2.5 to 2.5	Pass
					3.85	-5.679	-0.0081	-2.5 to 2.5	Pass
					4.43	-4.992	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-7.424	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-6.123	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-10.214	-0.0146	-2.5 to 2.5	Pass
				0	3.85	-7.124	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-7.467	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-5.493	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-9.942	-0.0142	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-5.722	-0.0081	-2.5 to 2.5	Pass
					3.85	-7.596	-0.0107	-2.5 to 2.5	Pass
					4.43	-7.882	-0.0111	-2.5 to 2.5	Pass
				-30	3.85	-8.783	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-4.277	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-3.462	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-5.679	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-4.005	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-6.695	-0.0095	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-5.207	-0.0073	-2.5 to 2.5	Pass
					3.85	-6.623	-0.0093	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-6.266	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-7.725	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-7.911	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-3.147	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-7.753	-0.0109	-2.5 to 2.5	Pass

				30	3.85	-11.158	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-8.469	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-6.166	-0.0086	-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	-8.755	-0.0124	-2.5 to 2.5	Pass
					3.85	-6.366	-0.0090	-2.5 to 2.5	Pass
					4.43	-8.168	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-6.080	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-5.279	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-5.808	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-5.693	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-4.077	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-8.798	-0.0125	-2.5 to 2.5	Pass
				50	3.85	-5.765	-0.0082	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-8.712	-0.0123	-2.5 to 2.5	Pass
					3.85	-7.439	-0.0105	-2.5 to 2.5	Pass
					4.43	-4.091	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-5.150	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-7.052	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-7.167	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-6.738	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-7.482	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-7.739	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-5.221	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-7.968	-0.0113	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.922	-0.0083	-2.5 to 2.5	Pass
					3.85	-6.166	-0.0087	-2.5 to 2.5	Pass
					4.43	-5.493	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-5.379	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-6.924	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-4.306	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-7.081	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-8.225	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-4.420	-0.0062	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-4.048	-0.0058	-2.5 to 2.5	Pass
					3.85	-6.337	-0.0090	-2.5 to 2.5	Pass
					4.43	-5.393	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-8.898	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-3.948	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-5.822	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-4.778	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-5.836	-0.0083	-2.5 to 2.5	Pass

				30	3.85	-7.882	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-6.251	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-9.670	-0.0137	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-7.496	-0.0106	-2.5 to 2.5	Pass
					3.85	-3.161	-0.0045	-2.5 to 2.5	Pass
					4.43	-2.718	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.376	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-4.091	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-1.960	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-4.649	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-7.496	-0.0105	-2.5 to 2.5	Pass
					3.85	-7.281	-0.0102	-2.5 to 2.5	Pass
					4.43	-3.476	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-4.363	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-5.665	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-5.536	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-7.253	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-5.808	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-6.266	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-7.725	-0.0109	-2.5 to 2.5	Pass

3. Modulation Characteristics

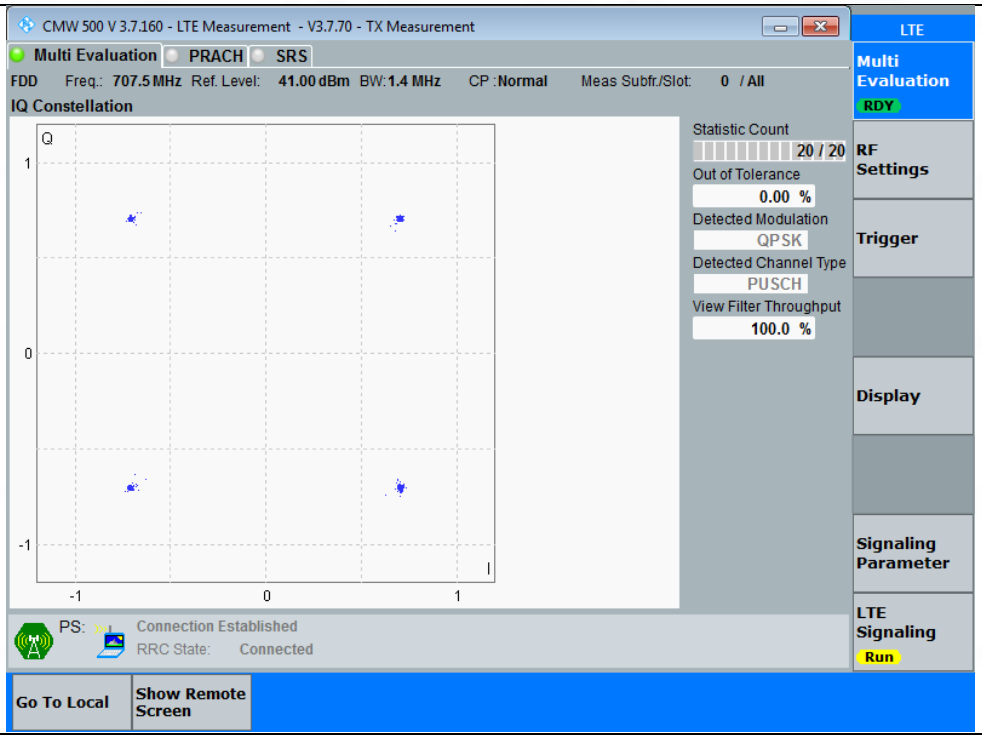
3.1 B12_1.4MHz

3.1.1 Test Result

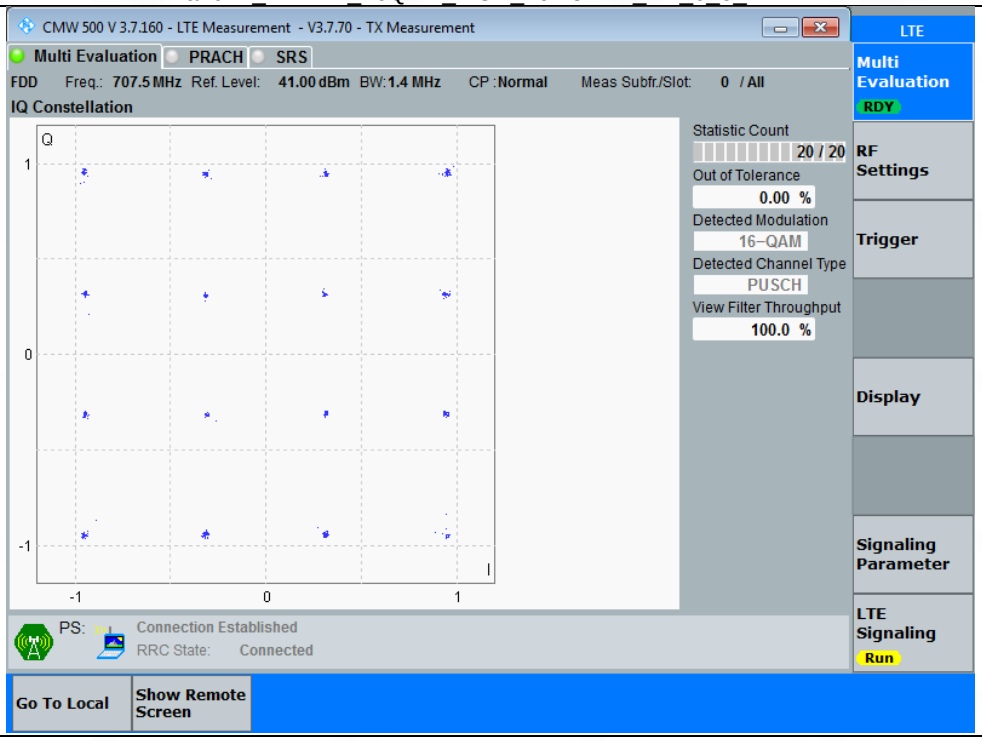
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



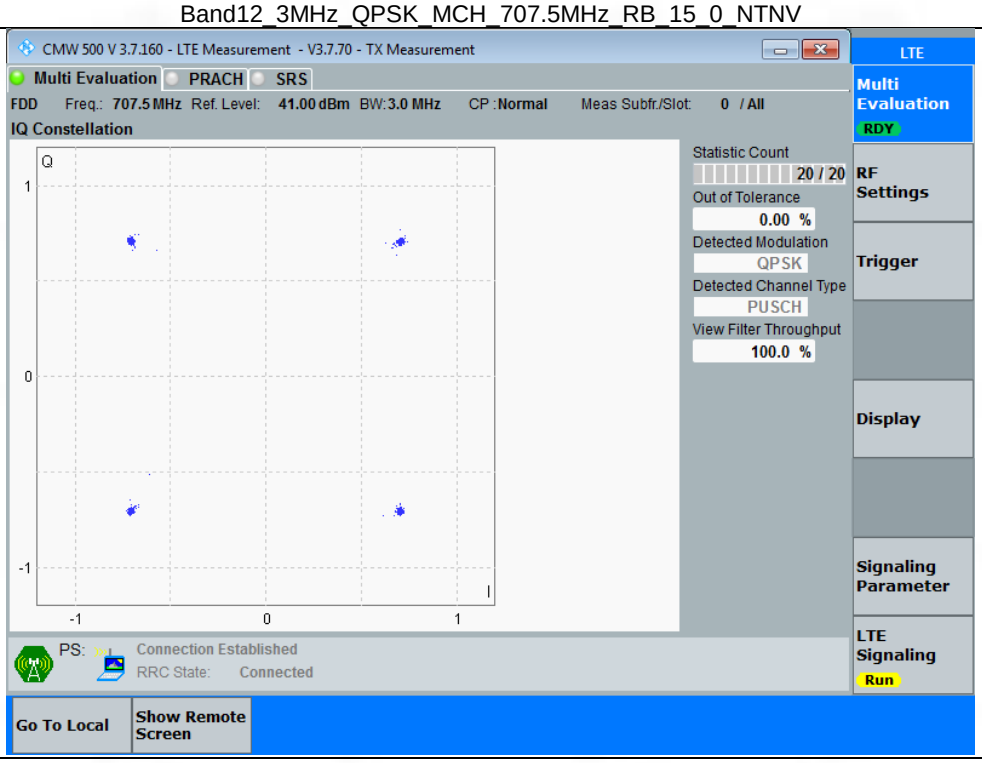
3.2 B12_3MHz

3.2.1 Test Result

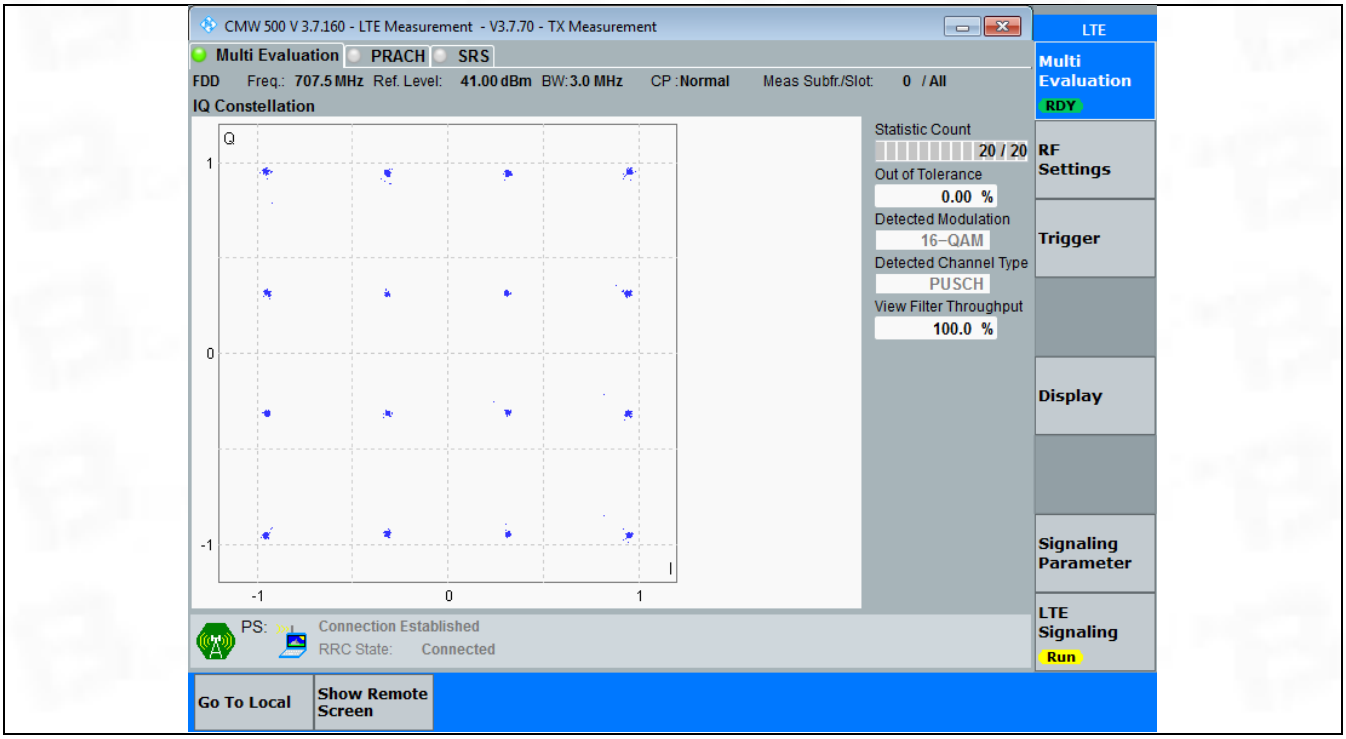
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



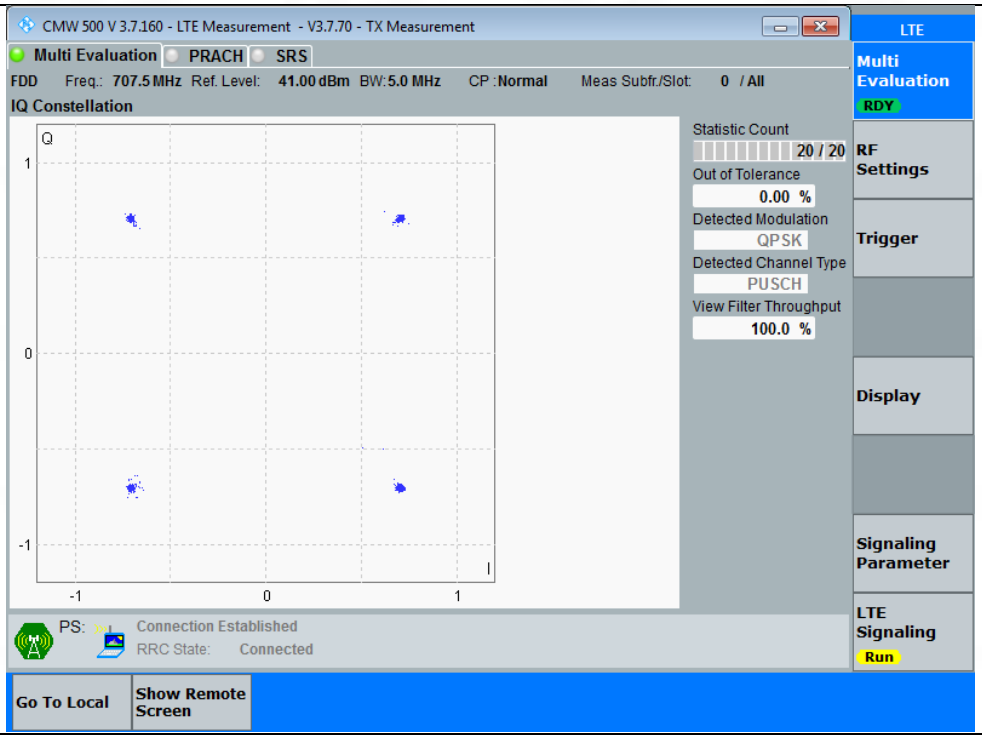
3.3 B12_5MHz

3.3.1 Test Result

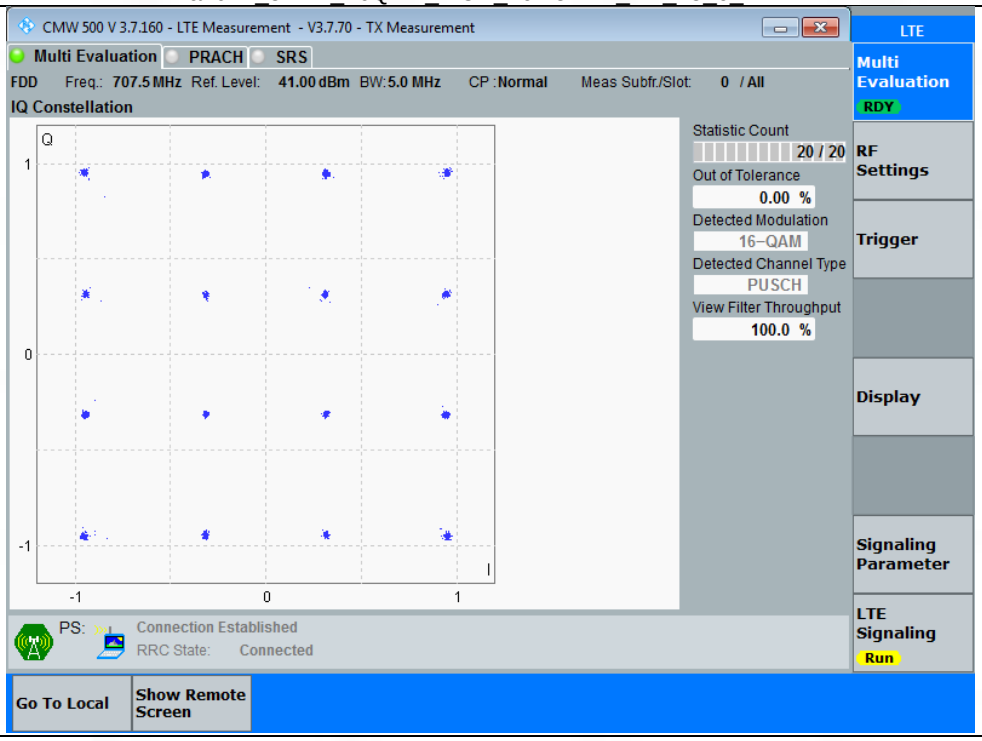
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



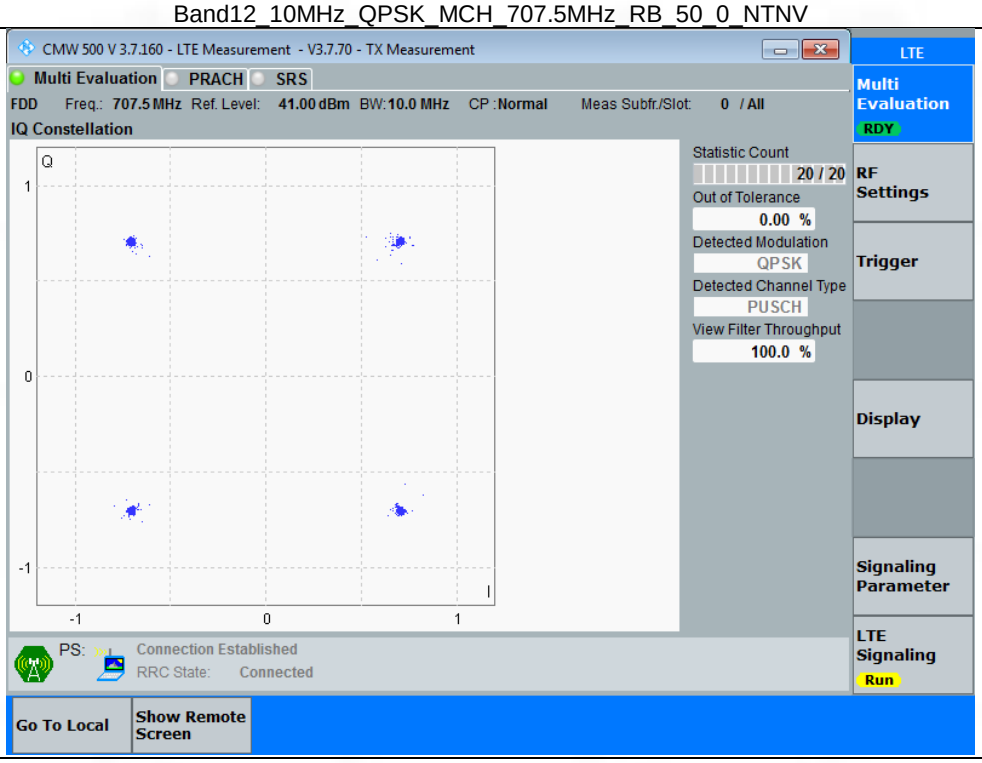
3.4 B12_10MHz

3.4.1 Test Result

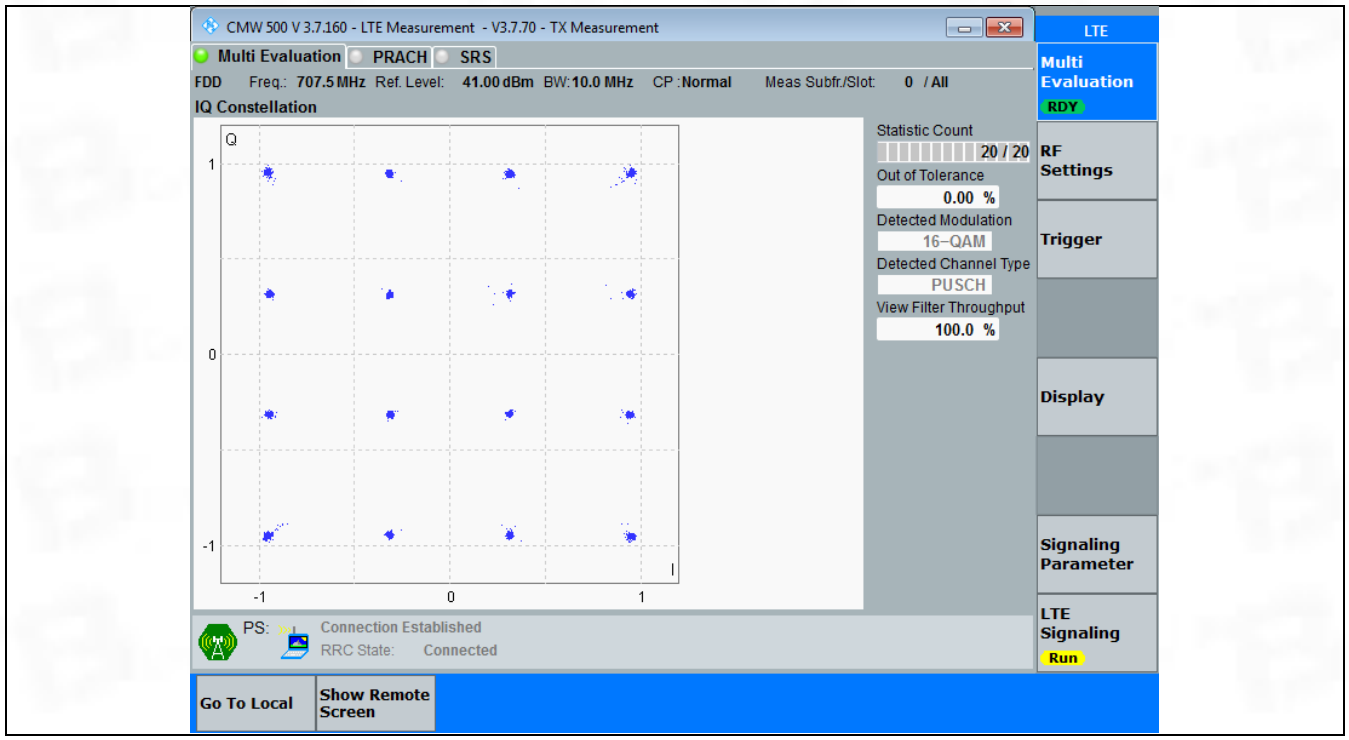
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

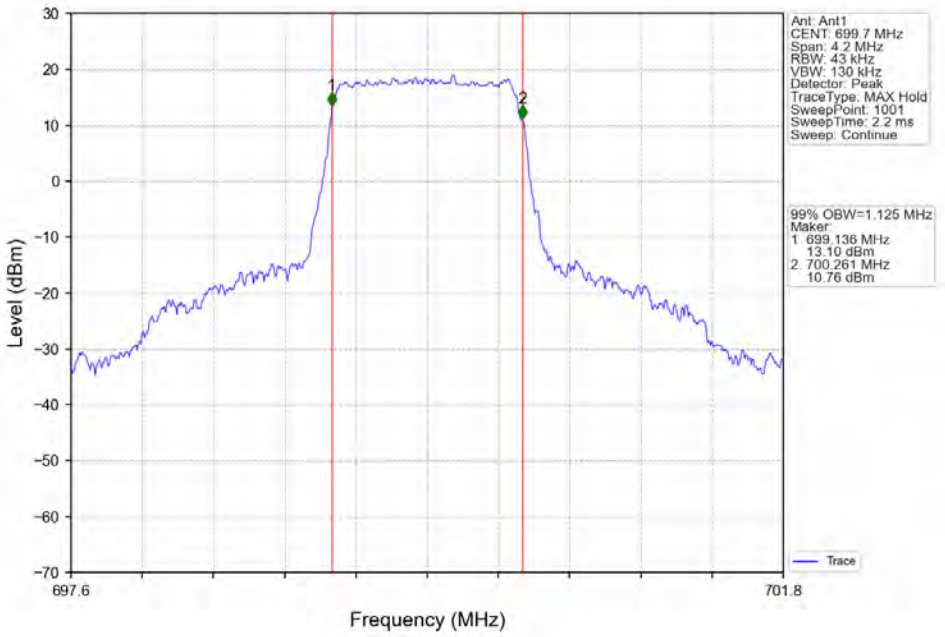
4.1.1 Test Result

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	1.125	Pass
		707.5	6	0	1.116	Pass
		715.3	6	0	1.120	Pass
	16QAM	699.7	6	0	1.109	Pass
		707.5	6	0	1.101	Pass
		715.3	6	0	1.115	Pass
3	QPSK	700.5	15	0	2.729	Pass
		707.5	15	0	2.726	Pass
		714.5	15	0	2.733	Pass
	16QAM	700.5	15	0	2.719	Pass
		707.5	15	0	2.728	Pass
		714.5	15	0	2.735	Pass
5	QPSK	701.5	25	0	4.552	Pass
		707.5	25	0	4.572	Pass
		713.5	25	0	4.589	Pass
	16QAM	701.5	25	0	4.578	Pass
		707.5	25	0	4.577	Pass
		713.5	25	0	4.577	Pass
10	QPSK	704	50	0	9.148	Pass
		707.5	50	0	9.061	Pass
		711	50	0	9.005	Pass

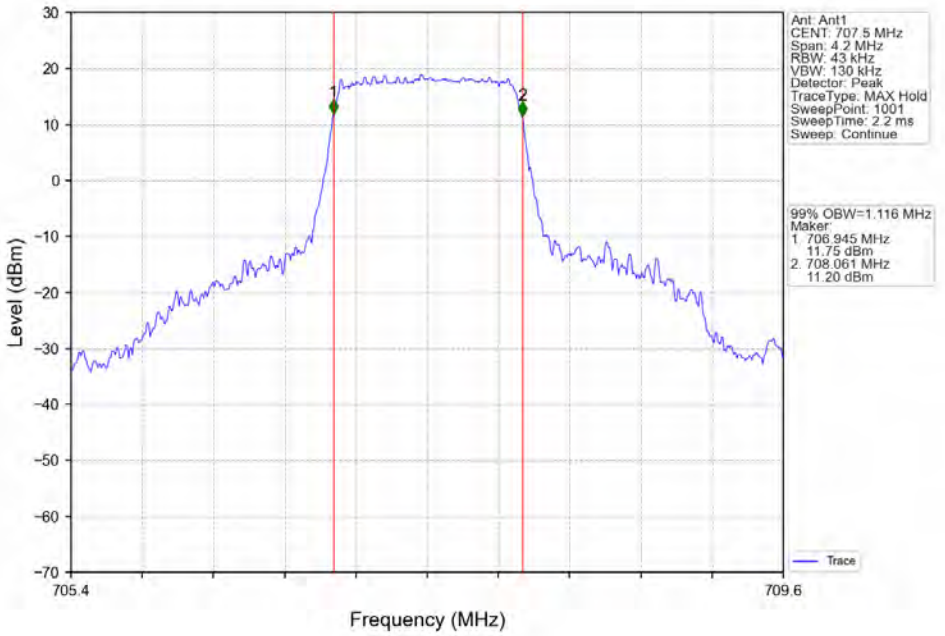
	16QAM	704	50	0	9.126	Pass
		707.5	50	0	9.072	Pass
		711	50	0	9.024	Pass

4.1.2 Test Graph

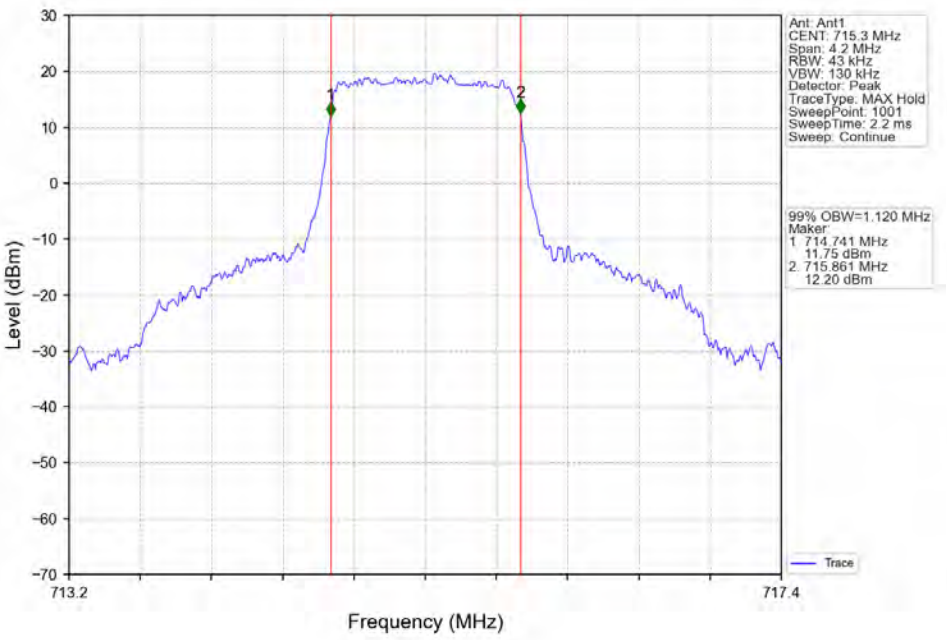
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



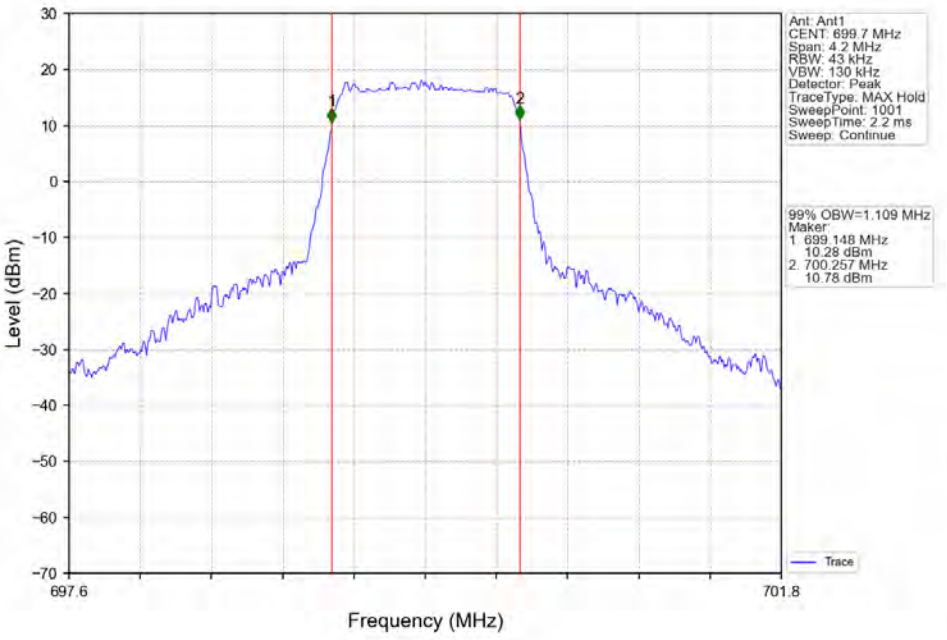
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



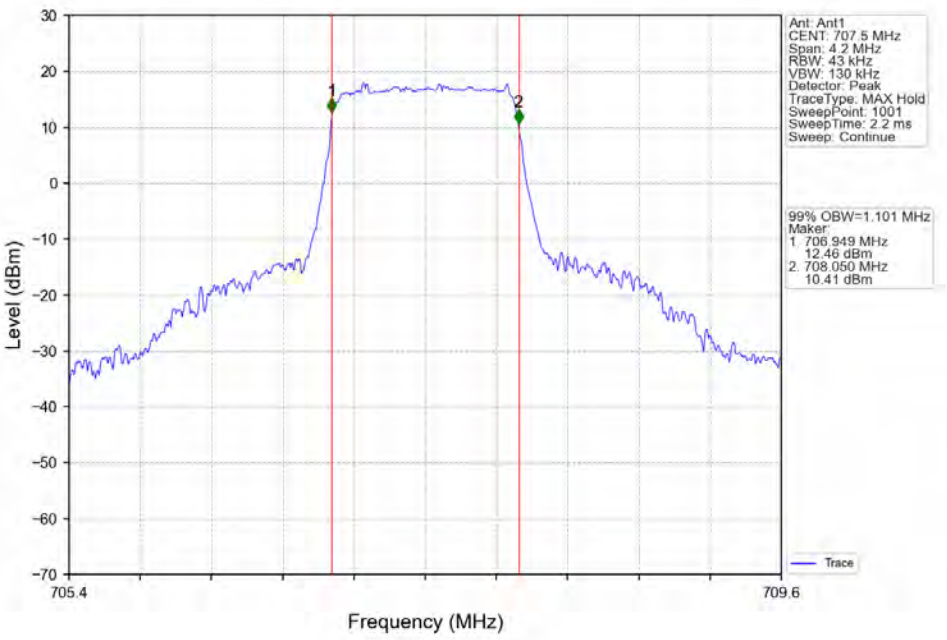
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



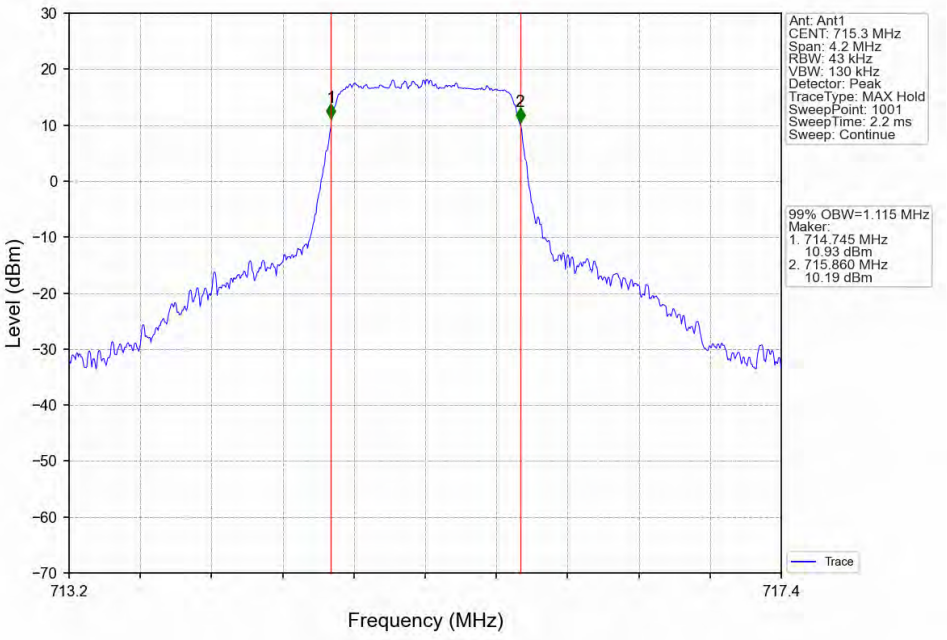
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



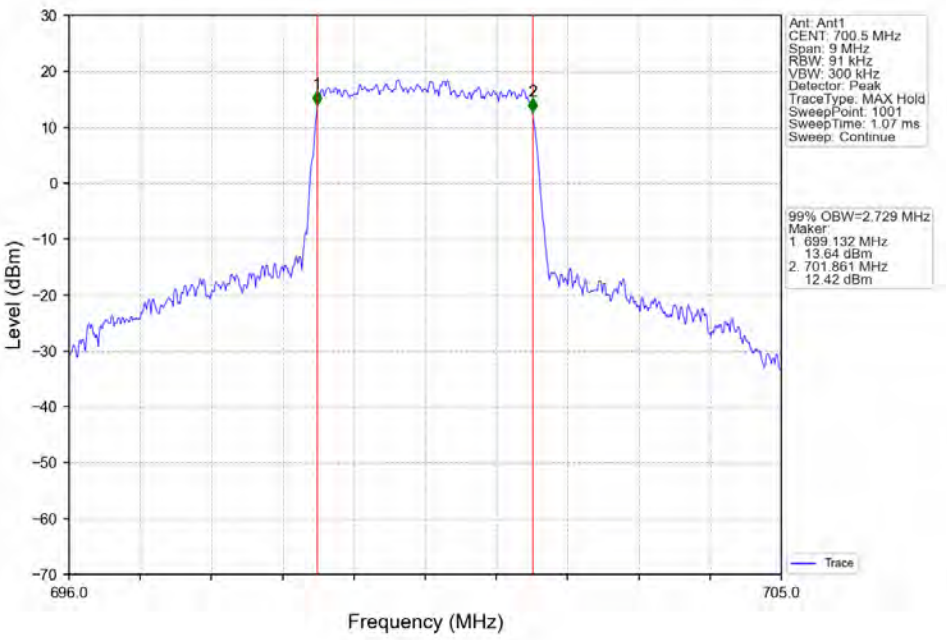
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



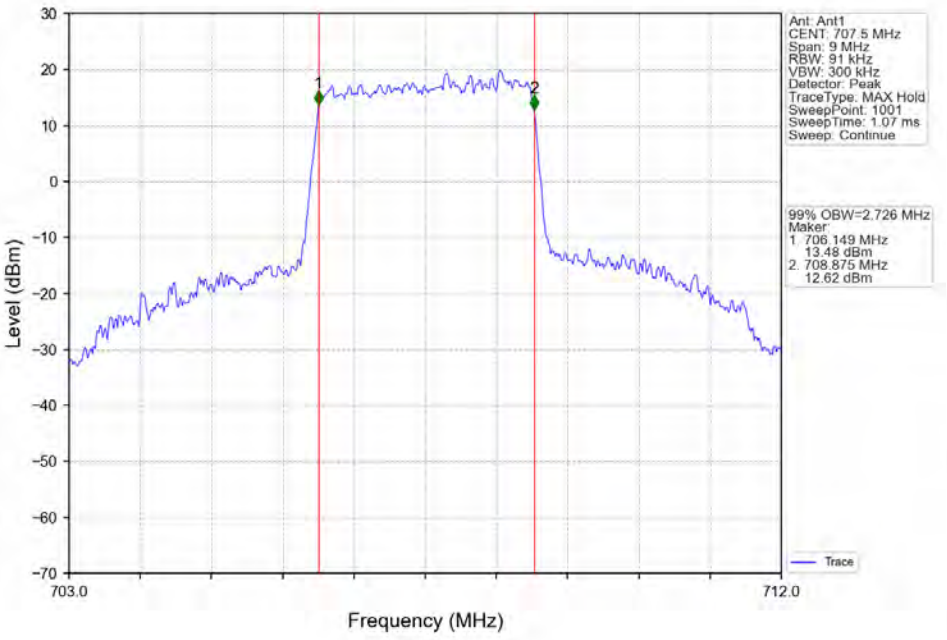
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



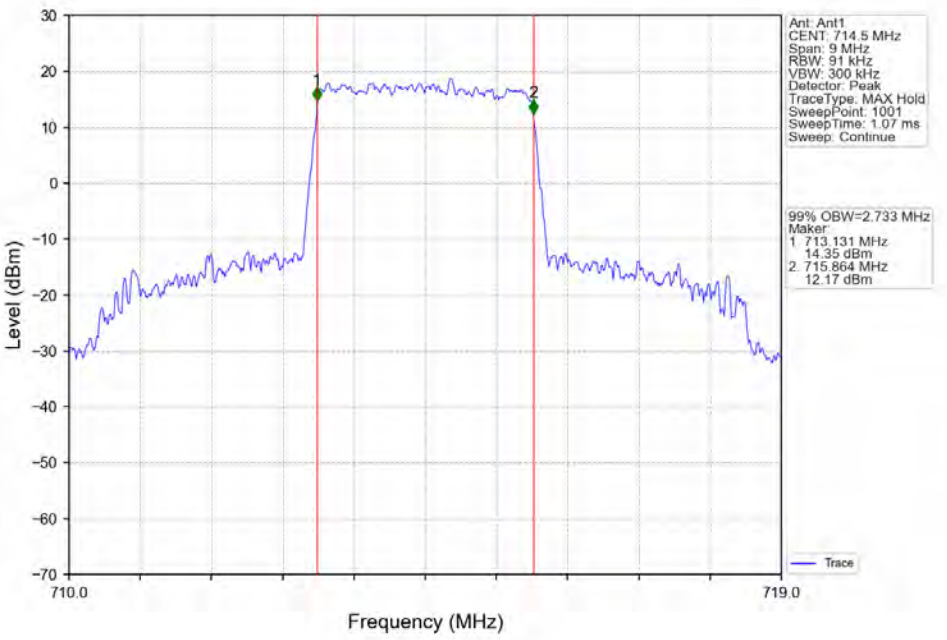
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



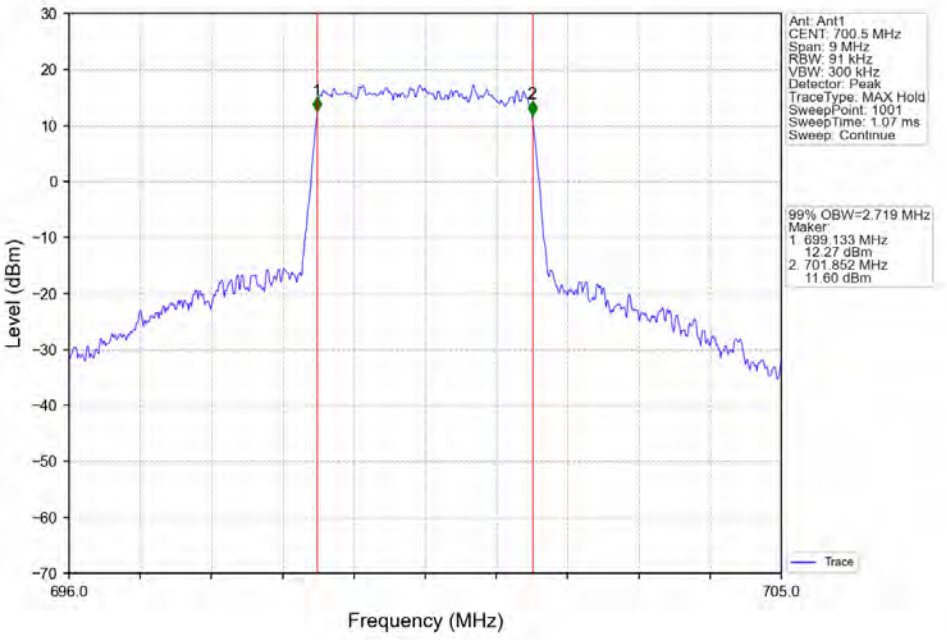
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



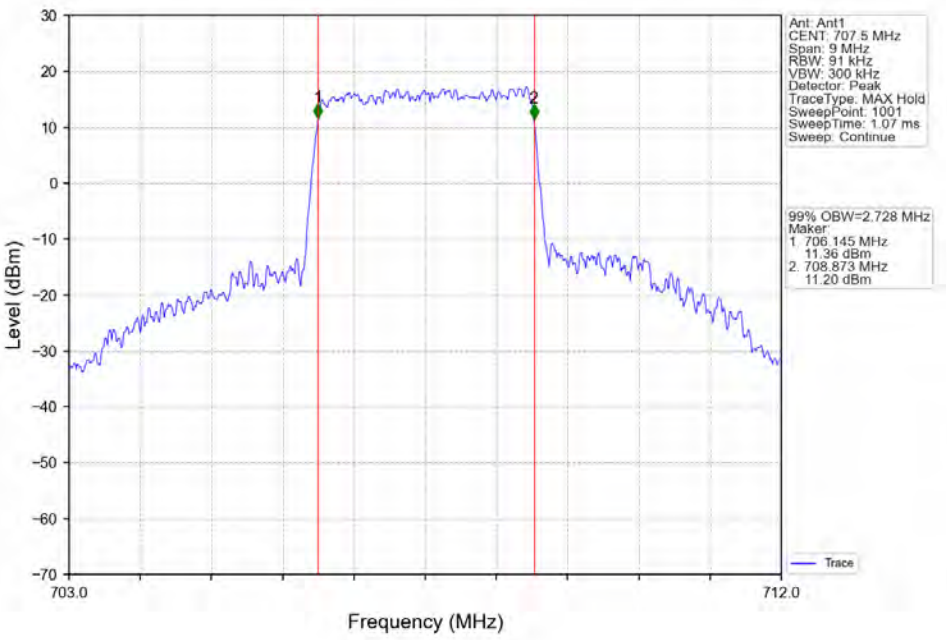
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



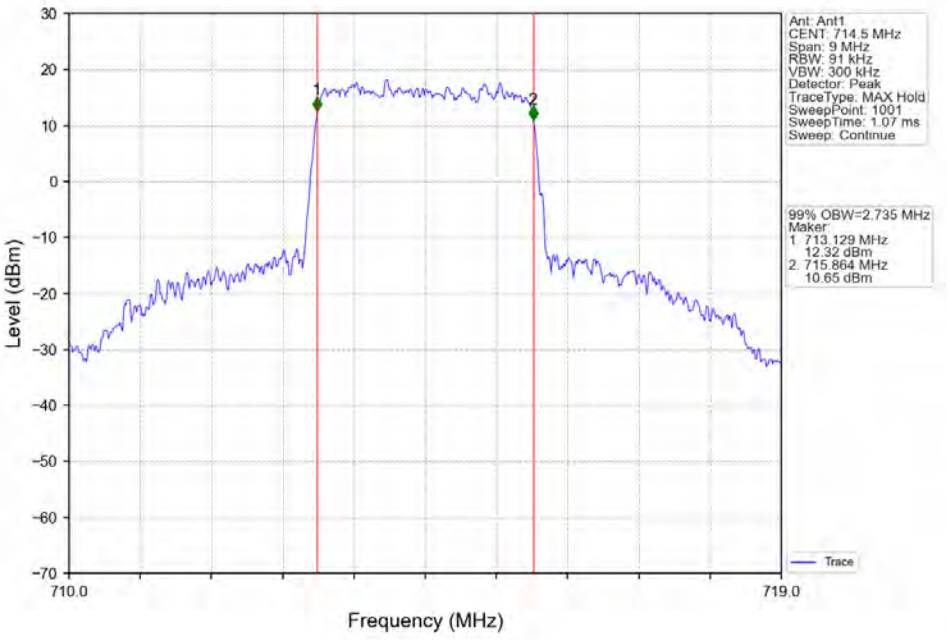
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



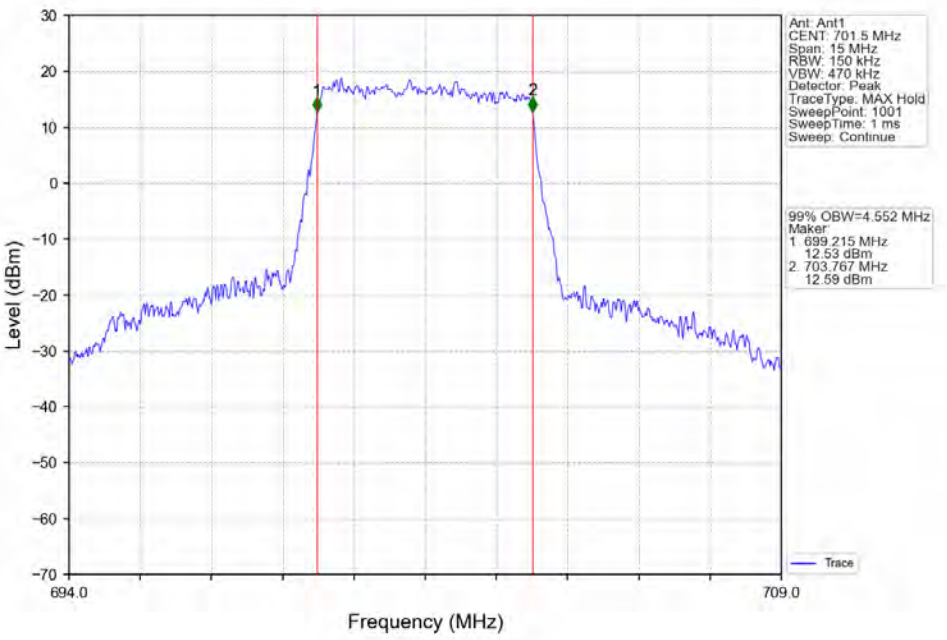
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



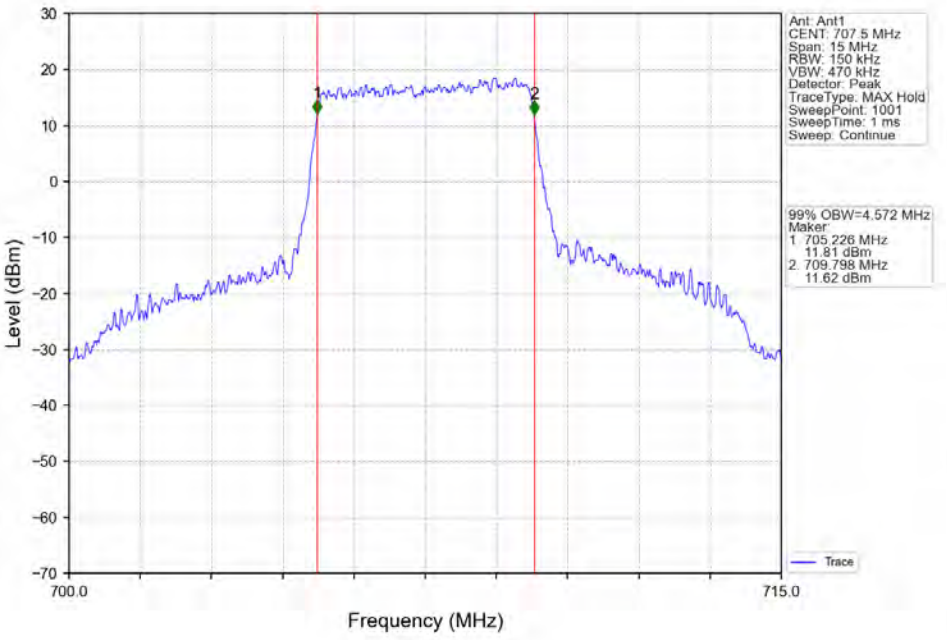
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



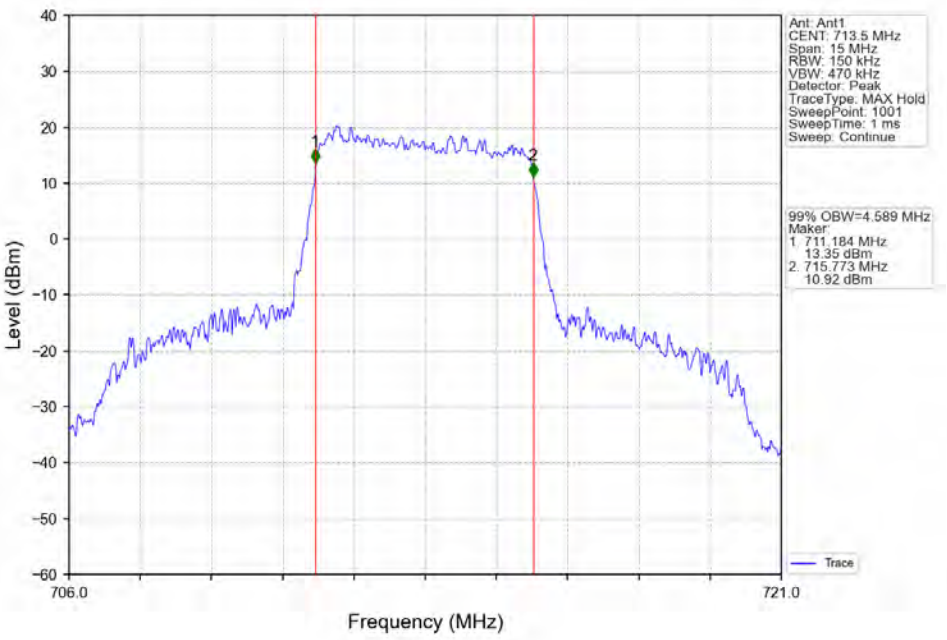
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



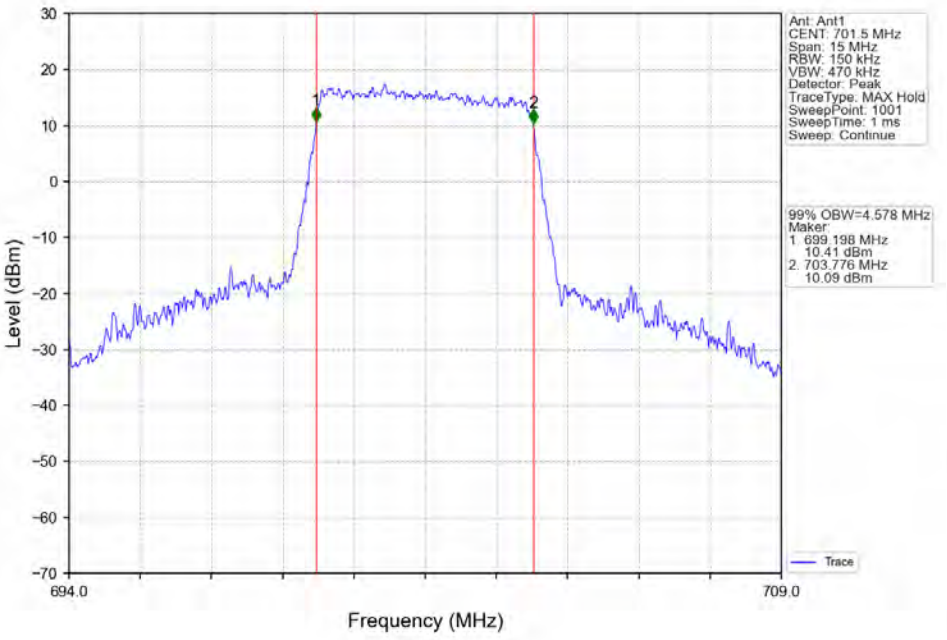
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



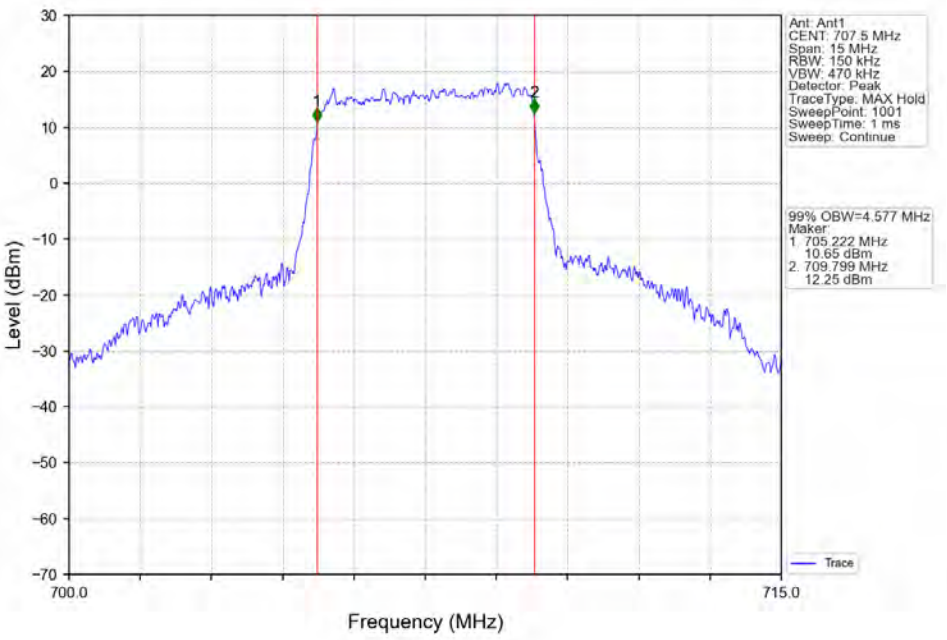
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



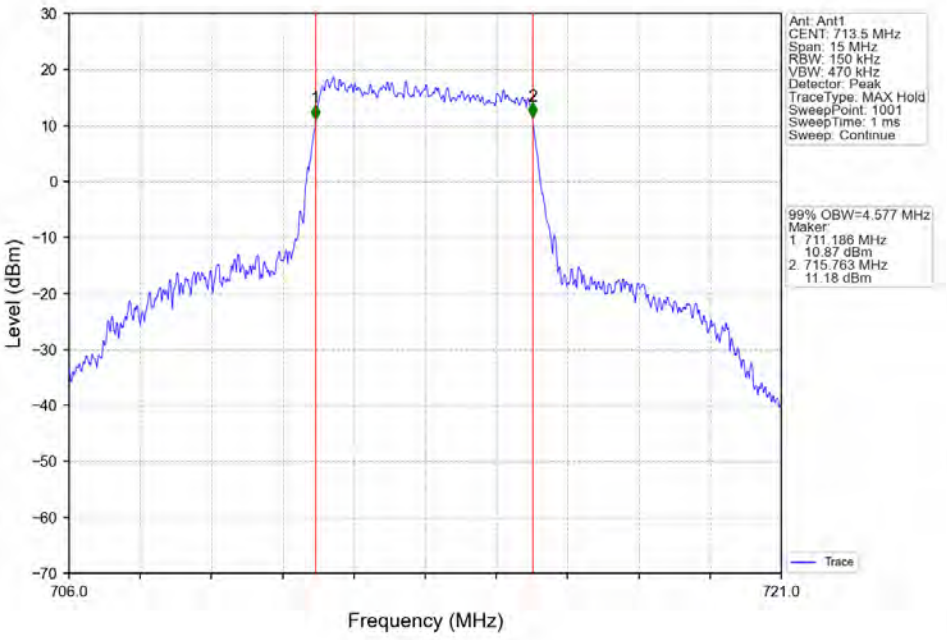
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

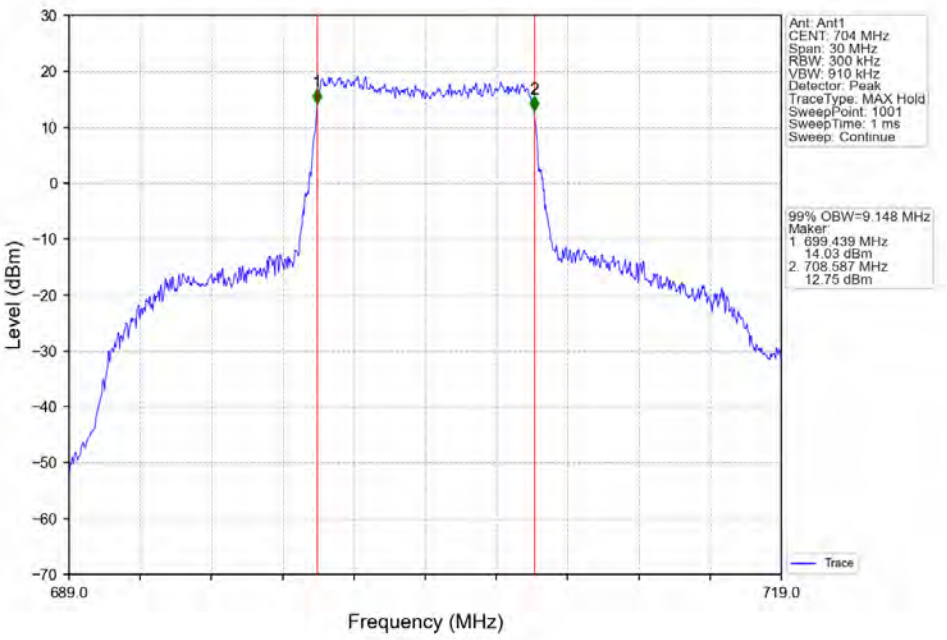


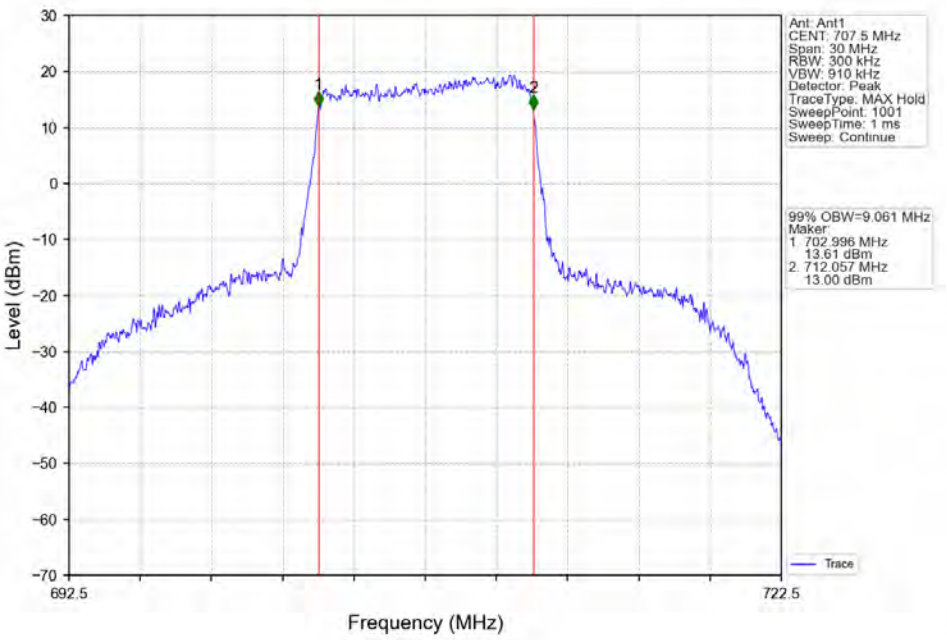
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



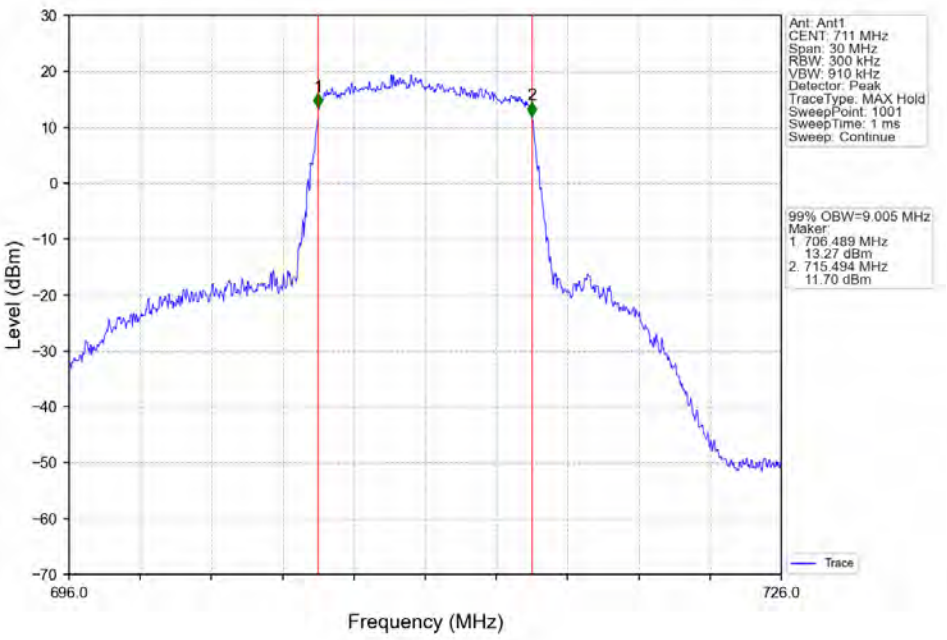
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



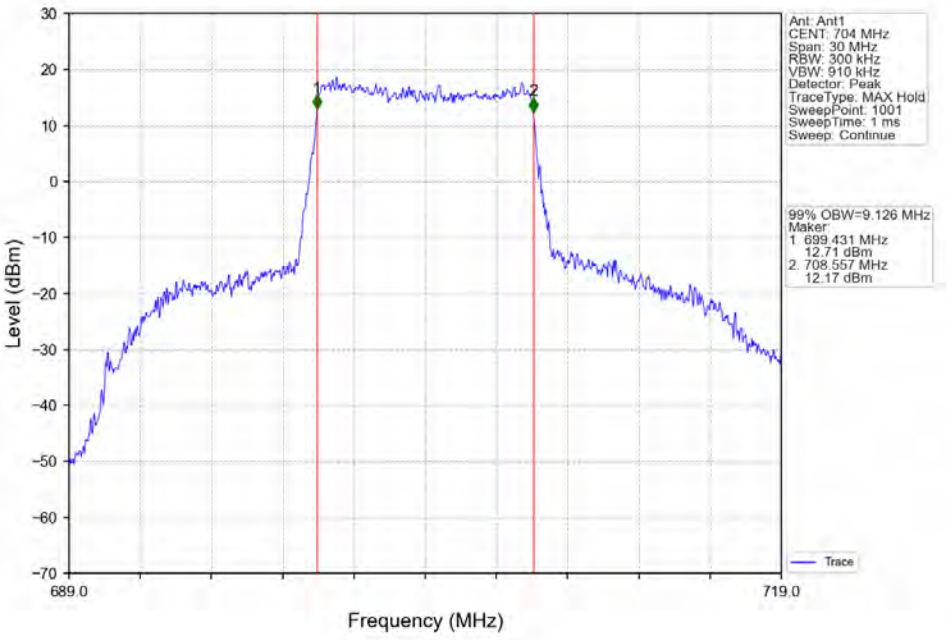
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV


Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV


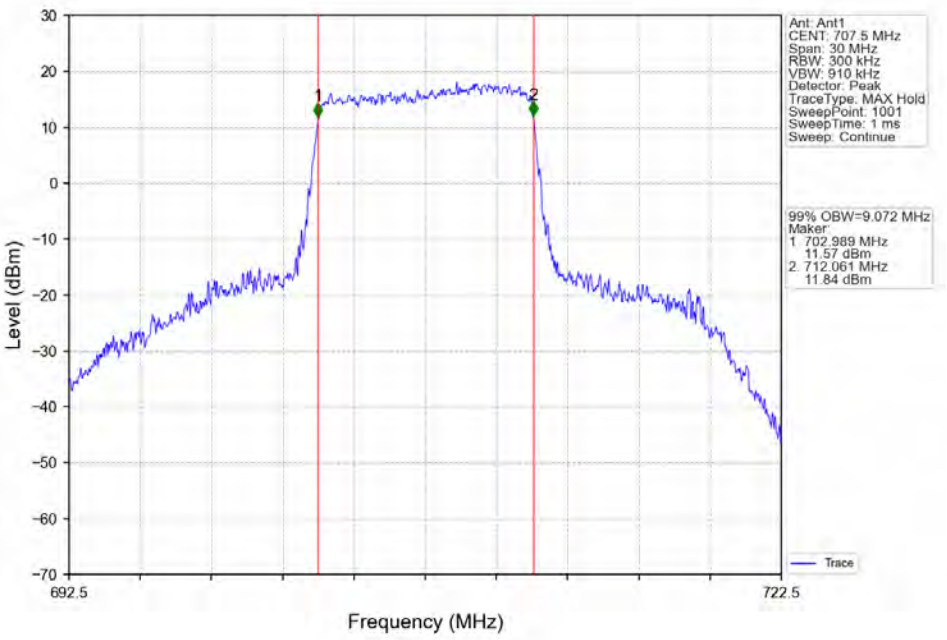
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



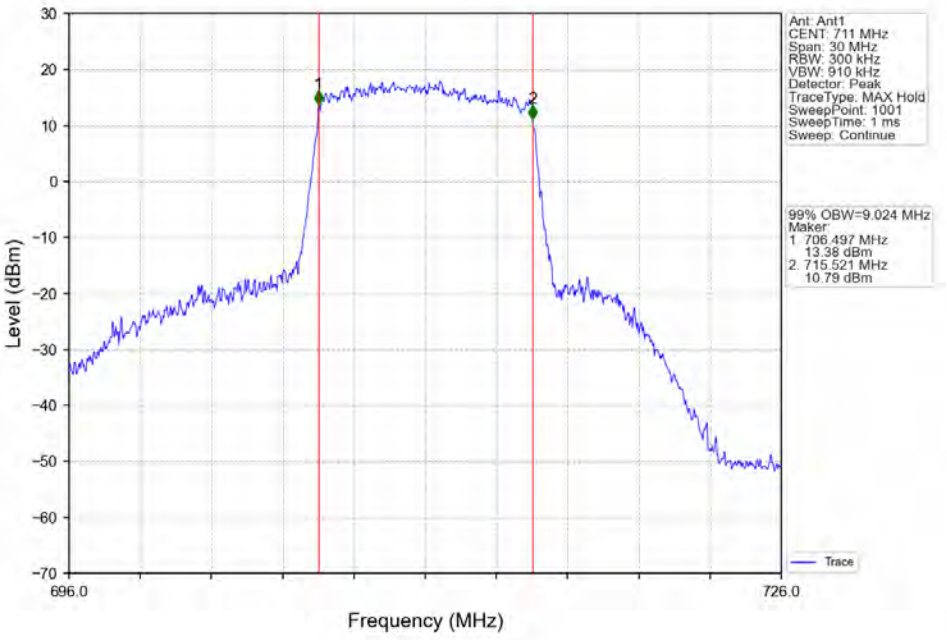
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



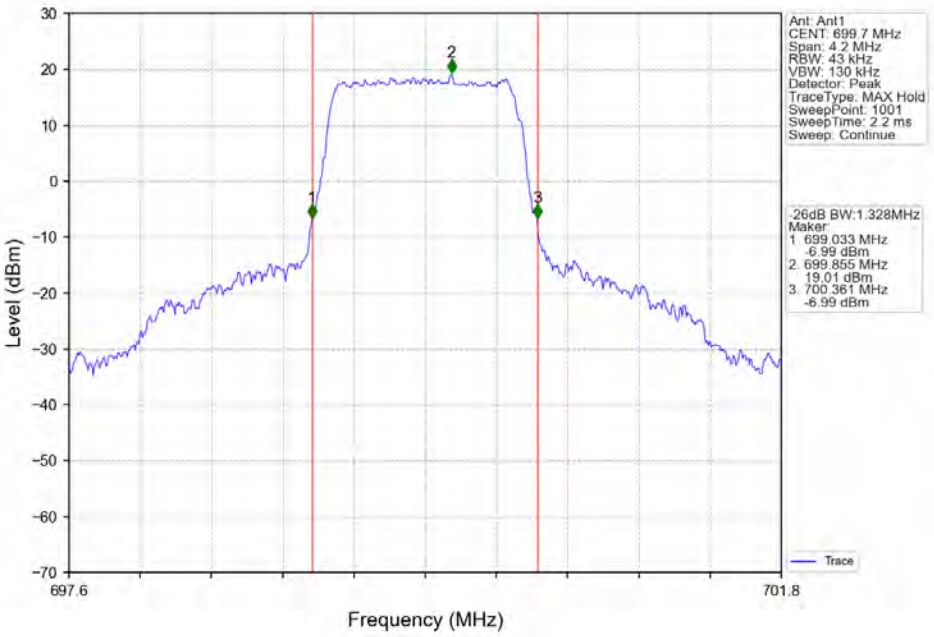
4.2 Band12_XDB

4.2.1 Test Result

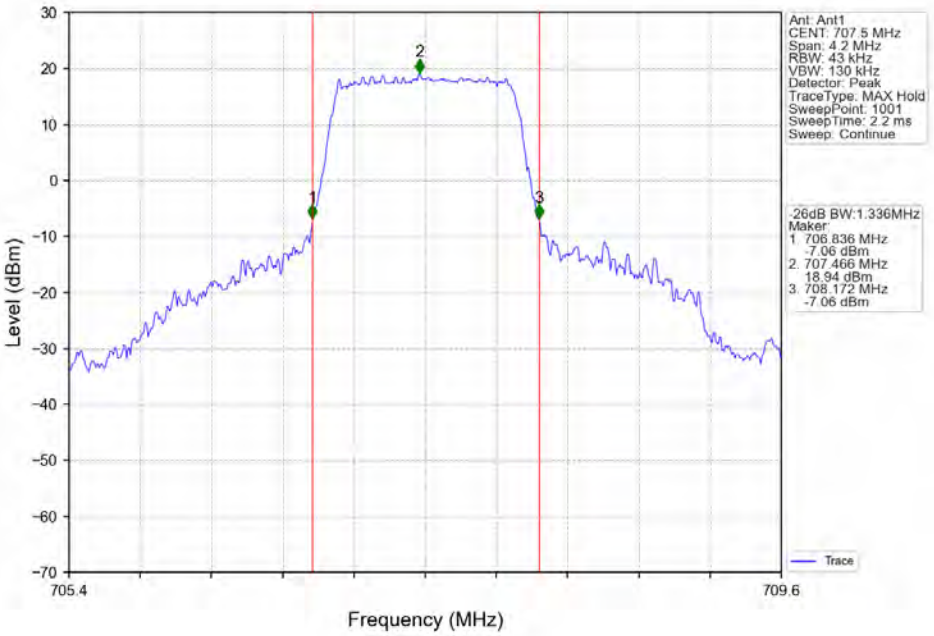
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.328	Pass
		707.5	6	0	1.336	Pass
		715.3	6	0	1.320	Pass
	16QAM	699.7	6	0	1.323	Pass
		707.5	6	0	1.300	Pass
		715.3	6	0	1.347	Pass
3	QPSK	700.5	15	0	2.988	Pass
		707.5	15	0	2.988	Pass
		714.5	15	0	3.020	Pass
	16QAM	700.5	15	0	2.995	Pass
		707.5	15	0	3.003	Pass
		714.5	15	0	3.007	Pass
5	QPSK	701.5	25	0	5.225	Pass
		707.5	25	0	5.266	Pass
		713.5	25	0	5.280	Pass
	16QAM	701.5	25	0	5.272	Pass
		707.5	25	0	5.269	Pass
		713.5	25	0	5.234	Pass
10	QPSK	704	50	0	10.357	Pass
		707.5	50	0	10.174	Pass
		711	50	0	10.184	Pass
	16QAM	704	50	0	10.386	Pass
		707.5	50	0	10.252	Pass
		711	50	0	10.083	Pass

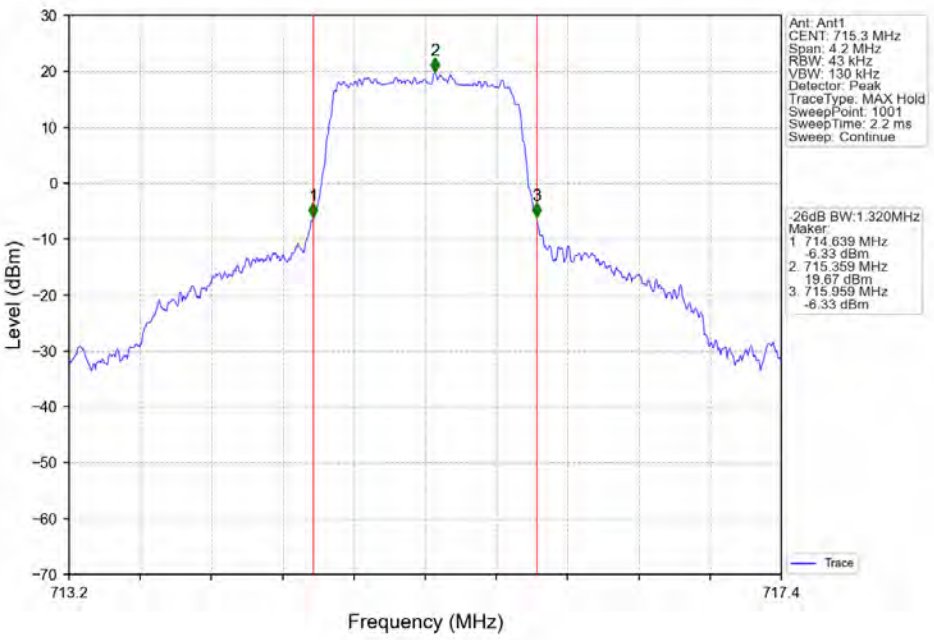
4.2.2 Test Graph

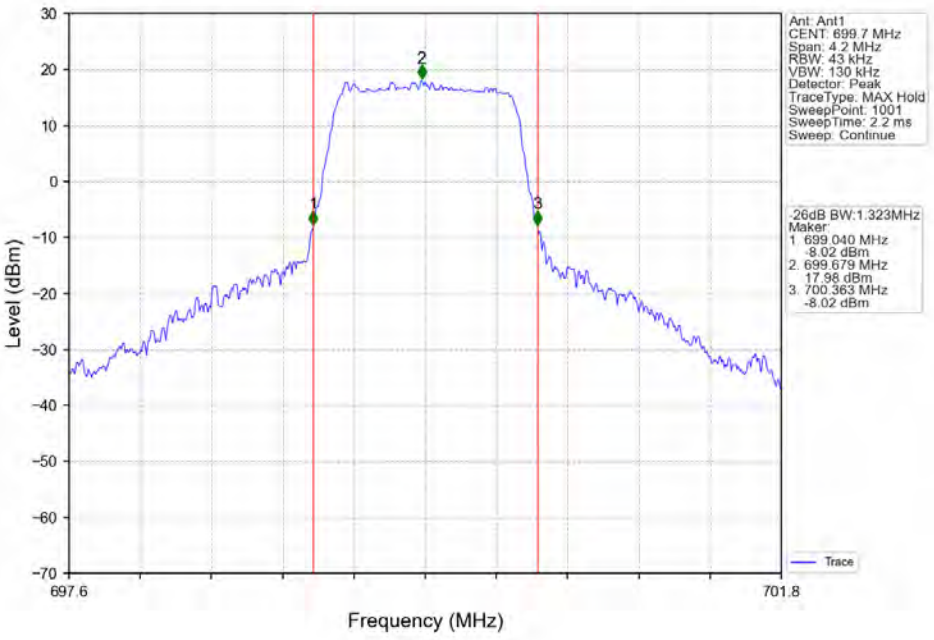
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



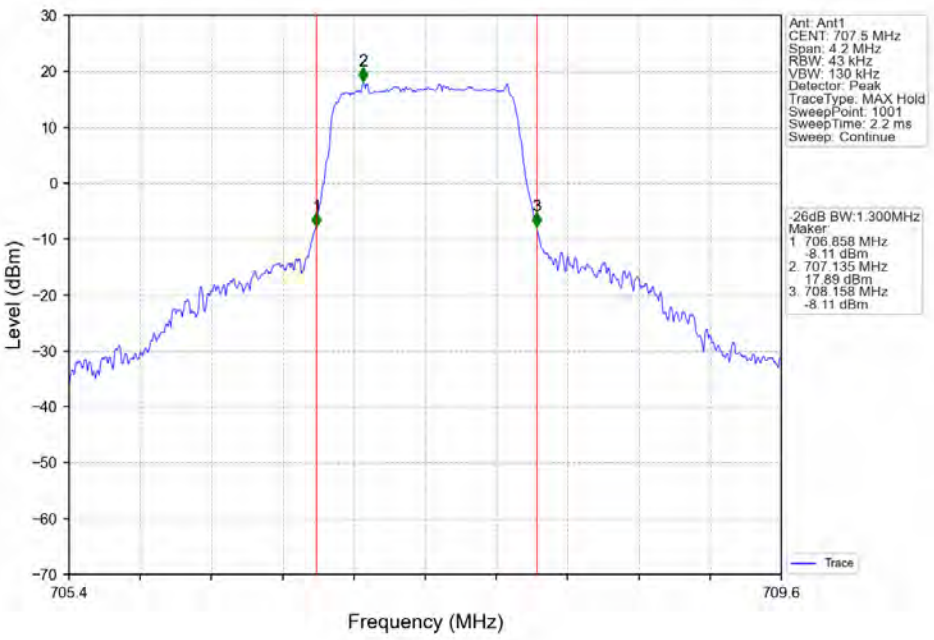
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



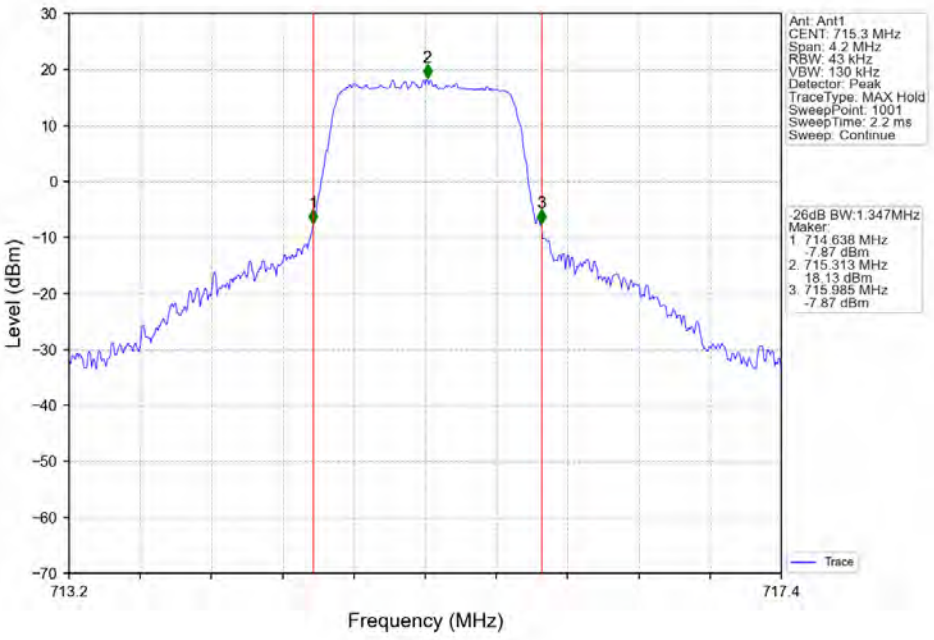
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV


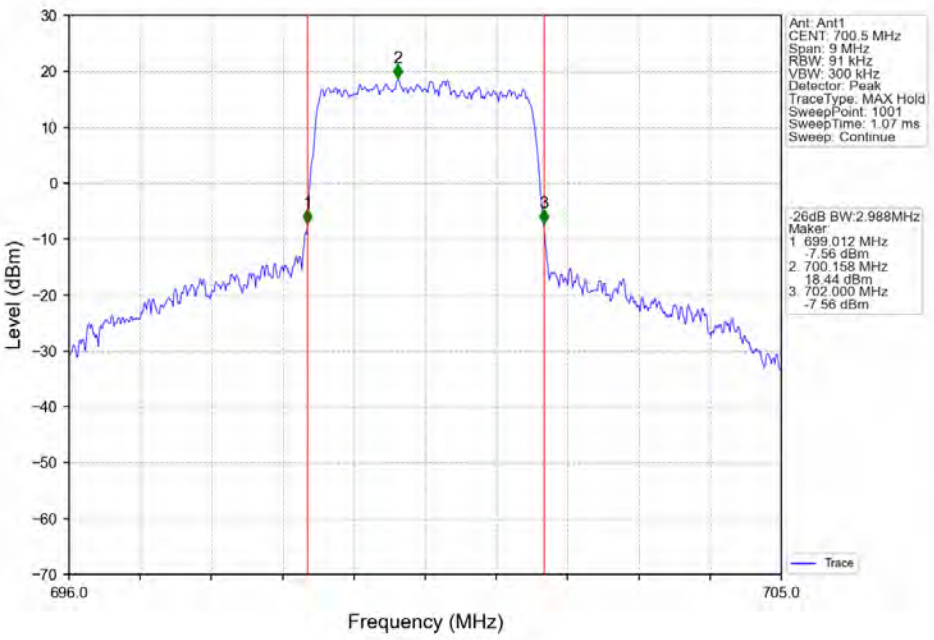
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



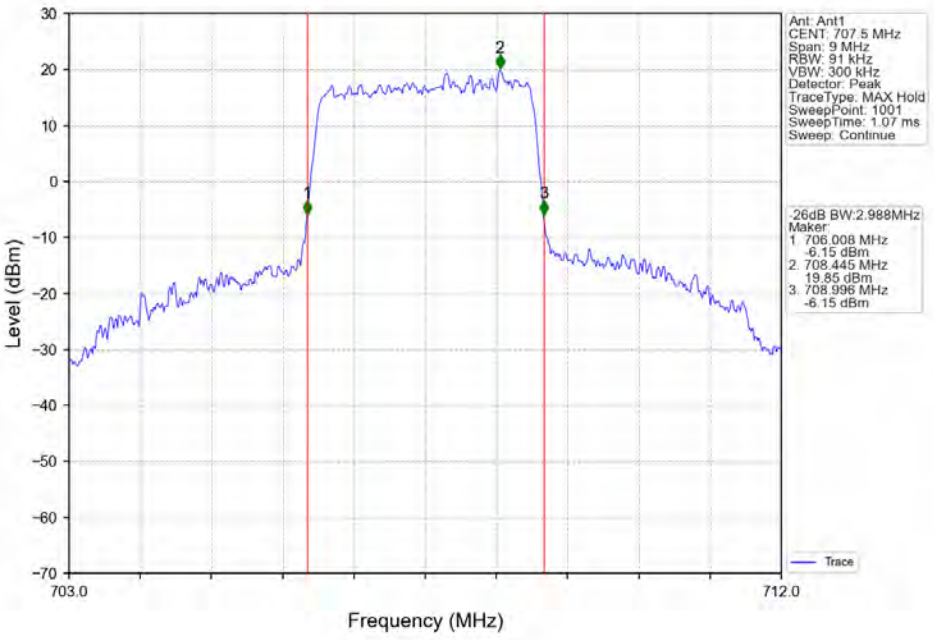
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



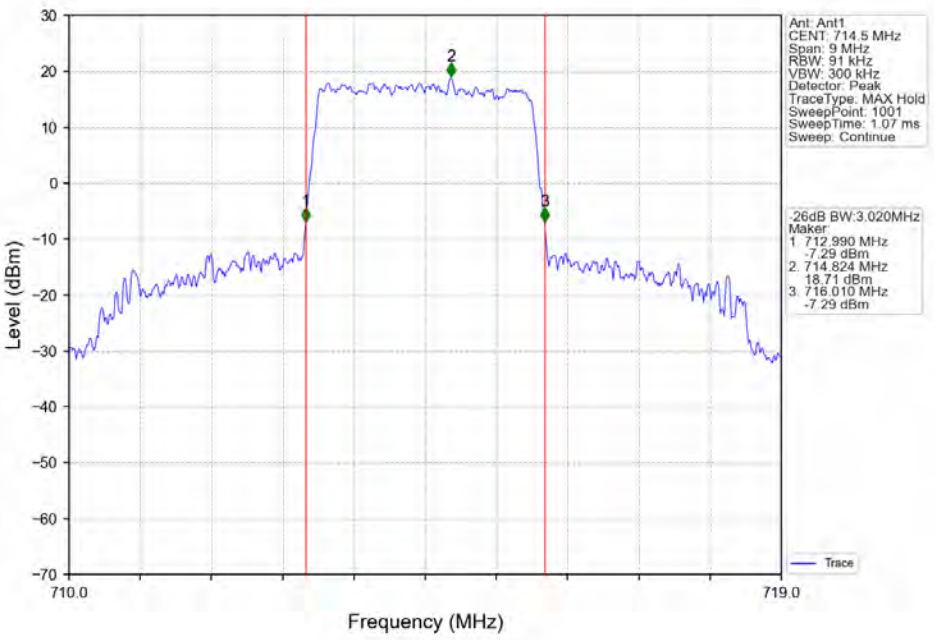
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



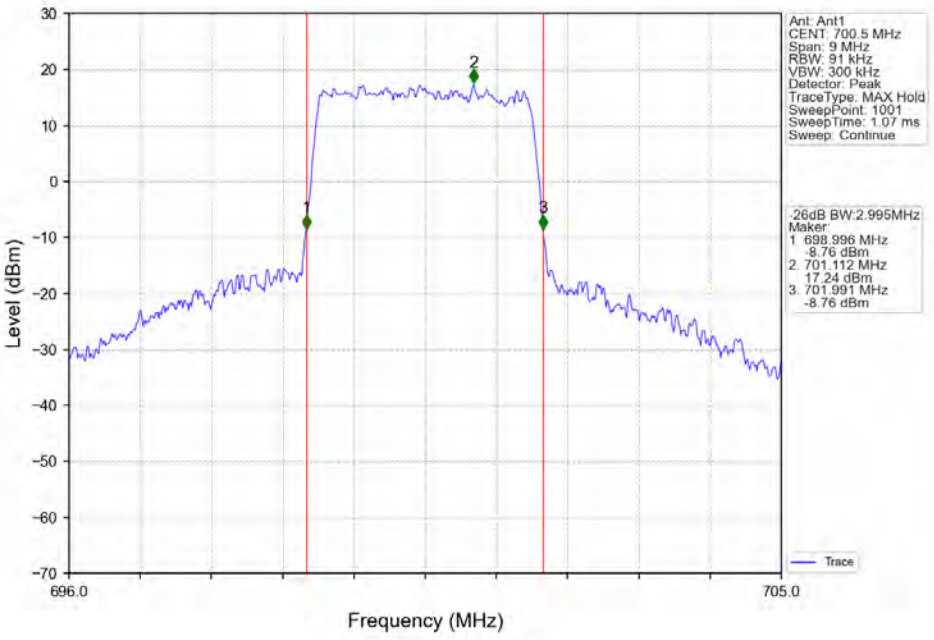
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



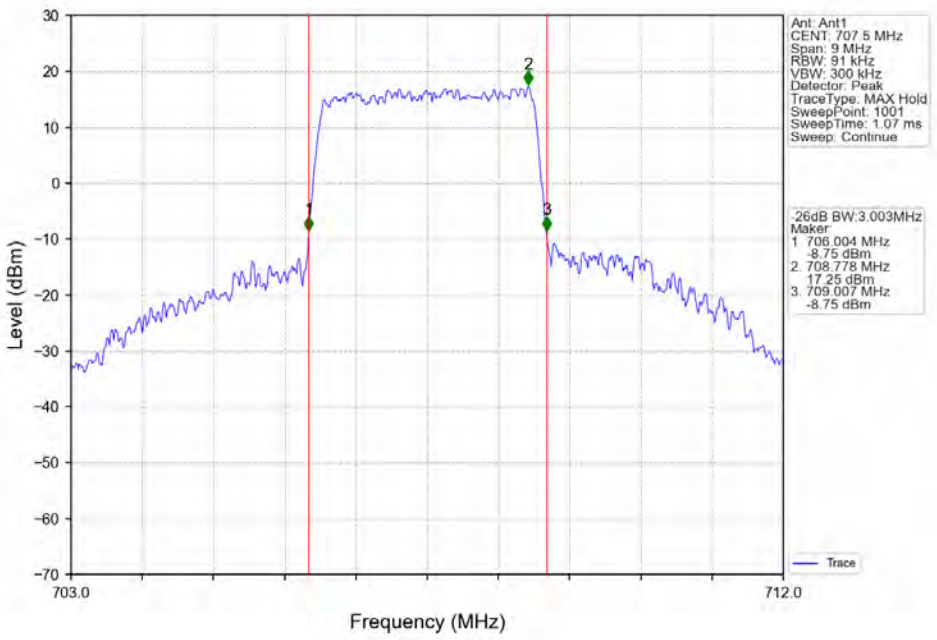
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



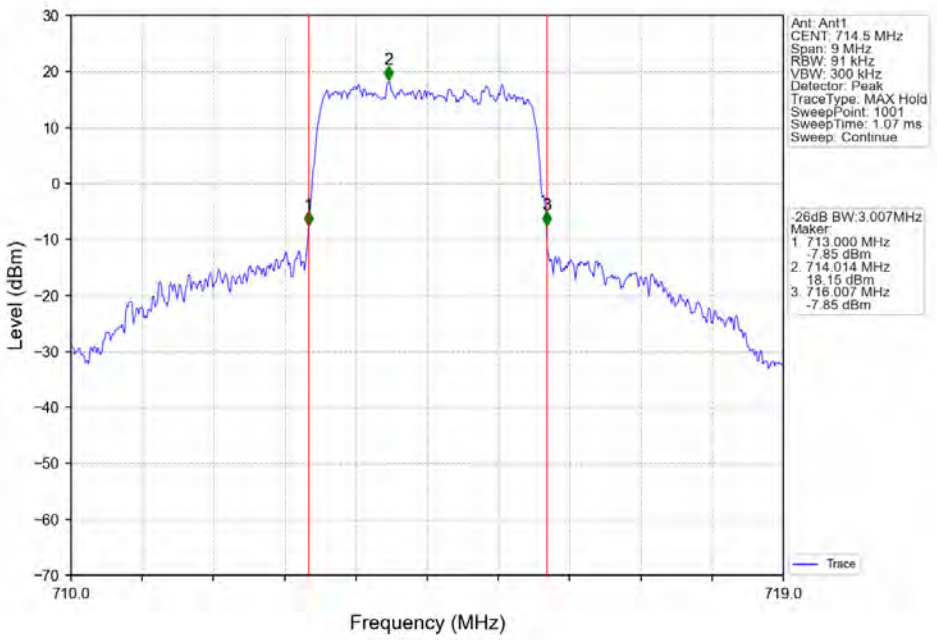
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



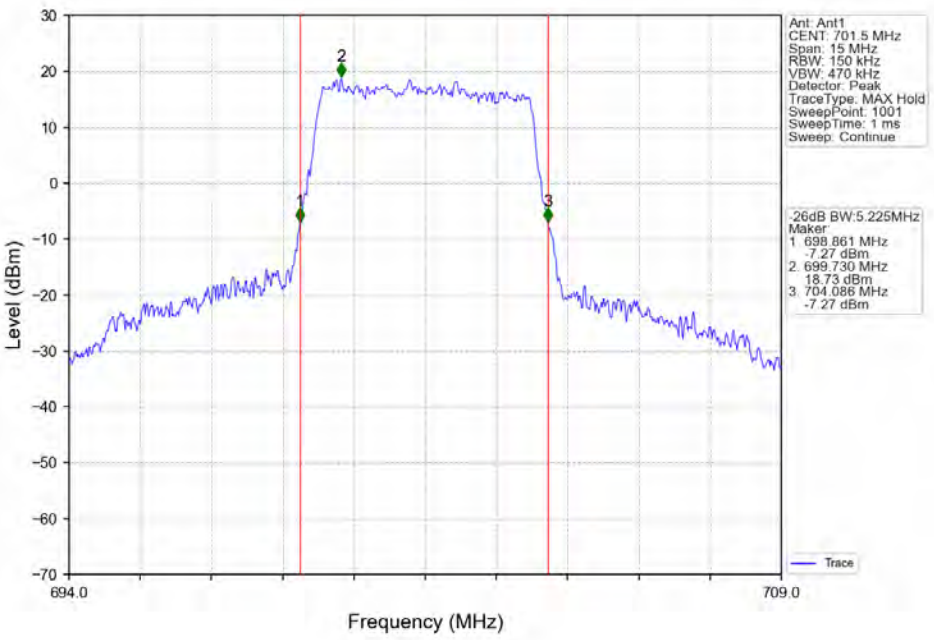
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



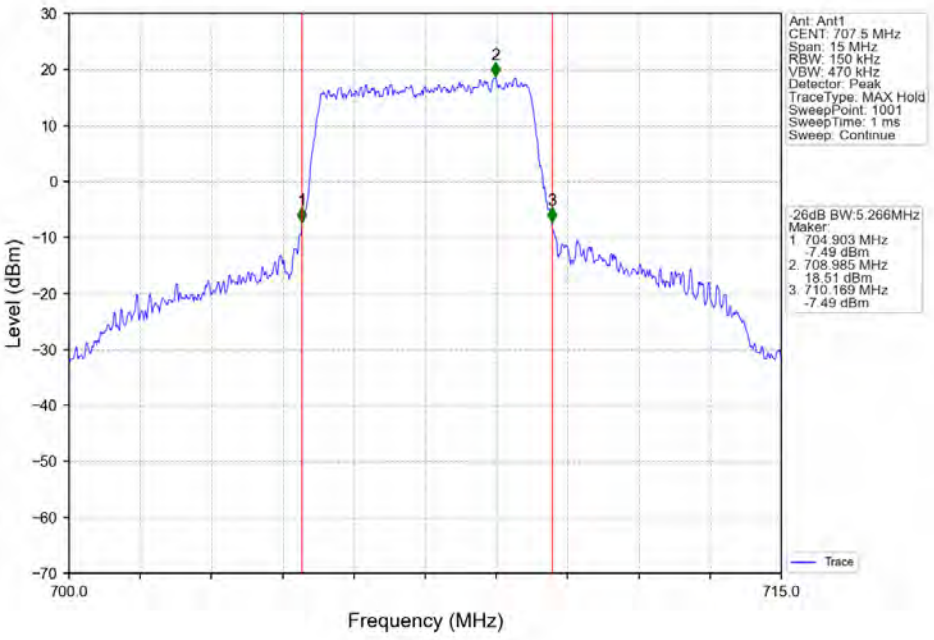
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

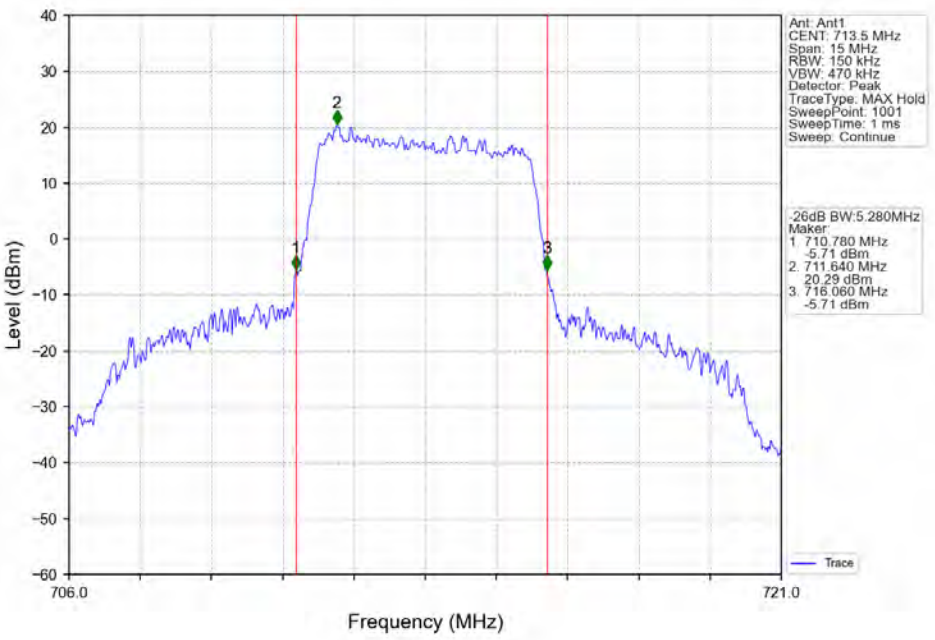
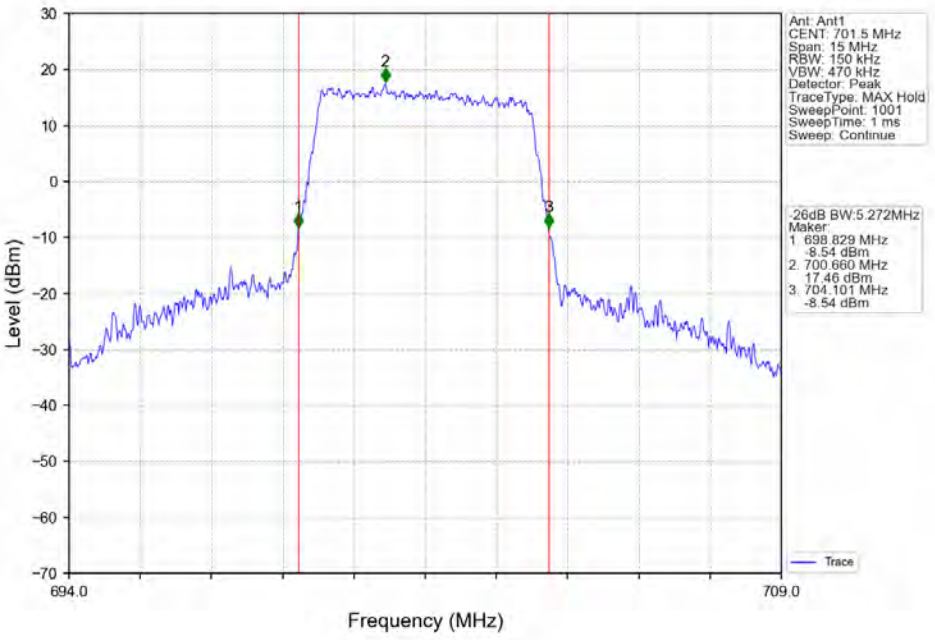


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

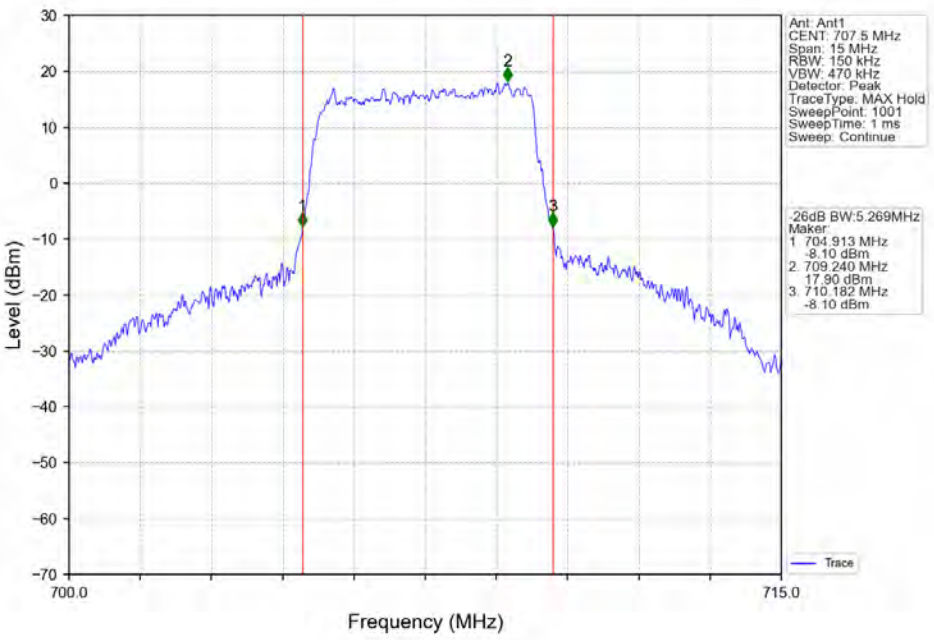


Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

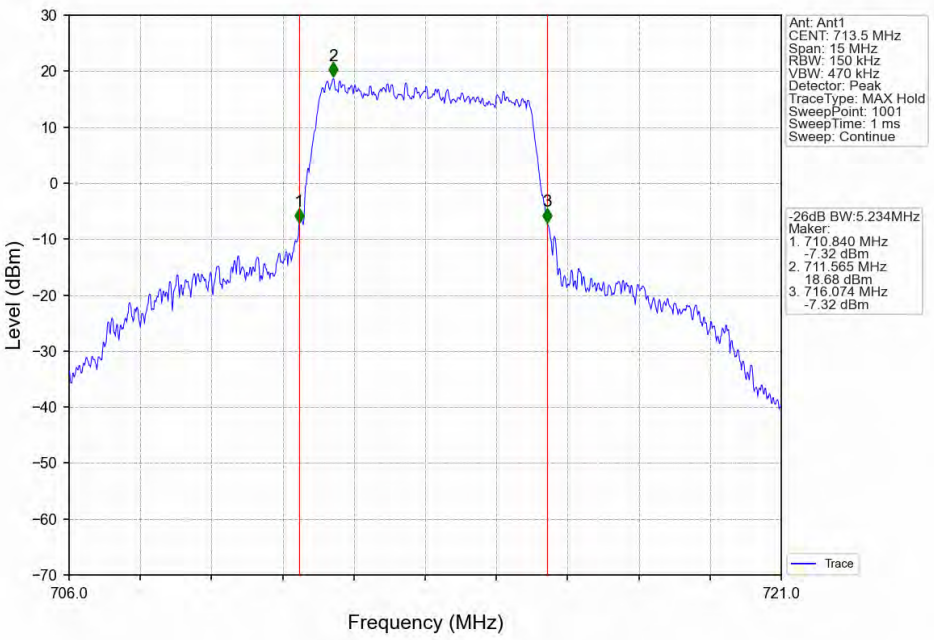


Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV


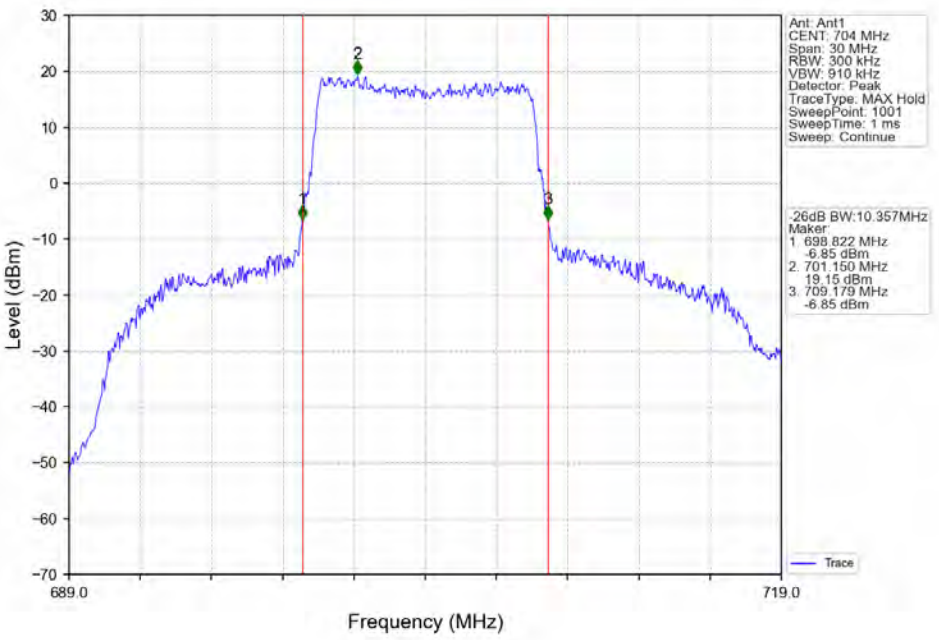
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



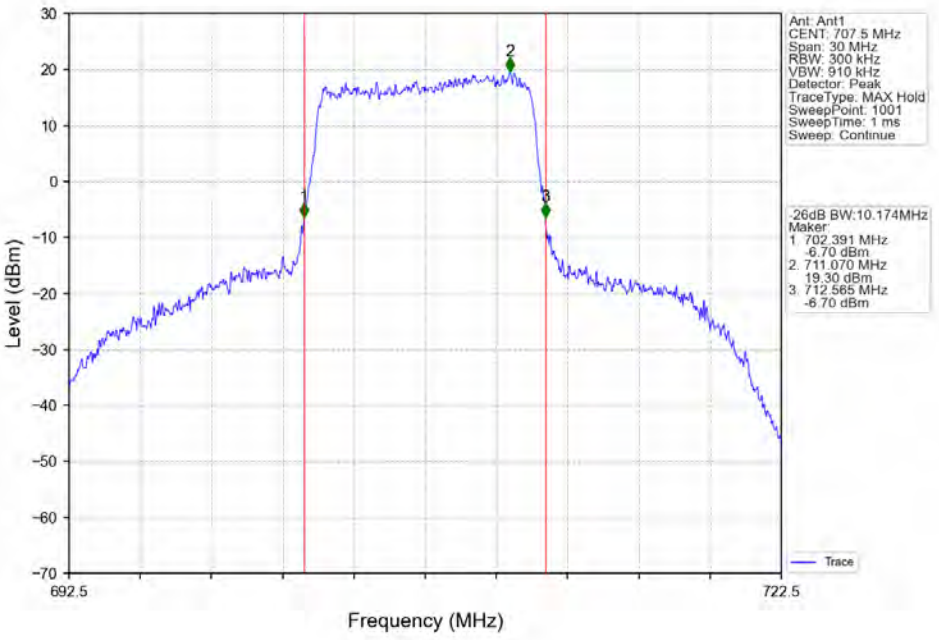
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

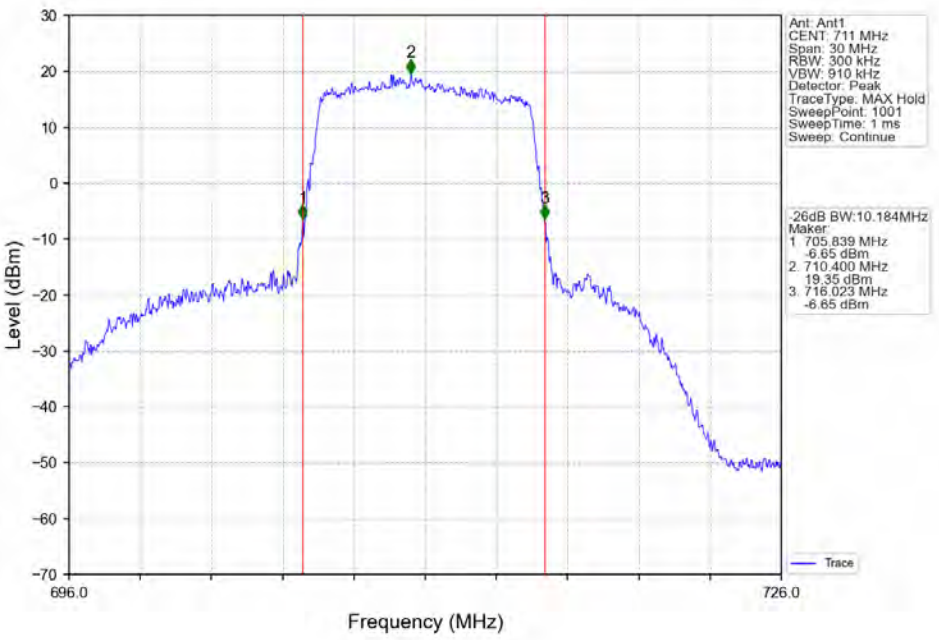
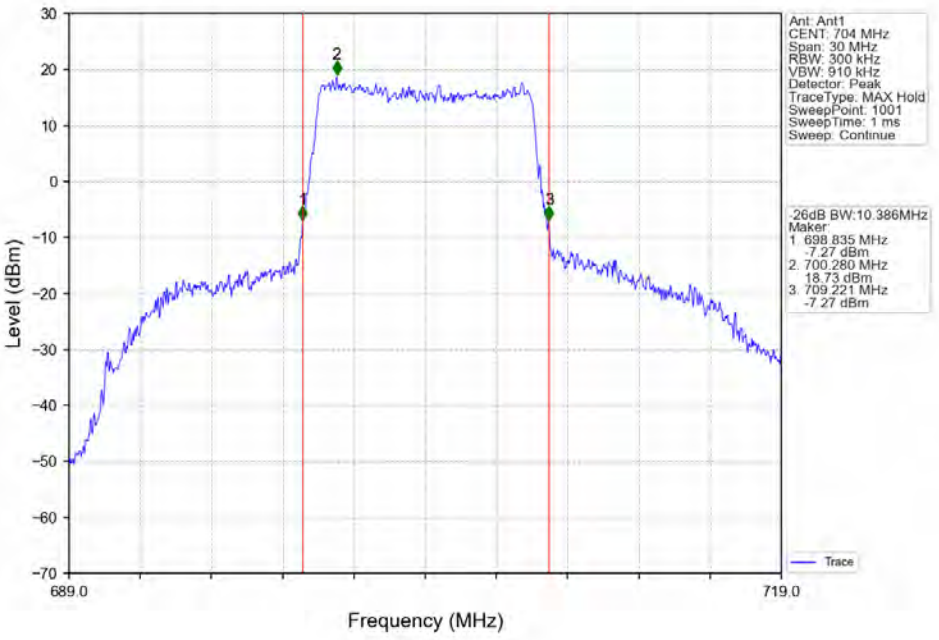


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

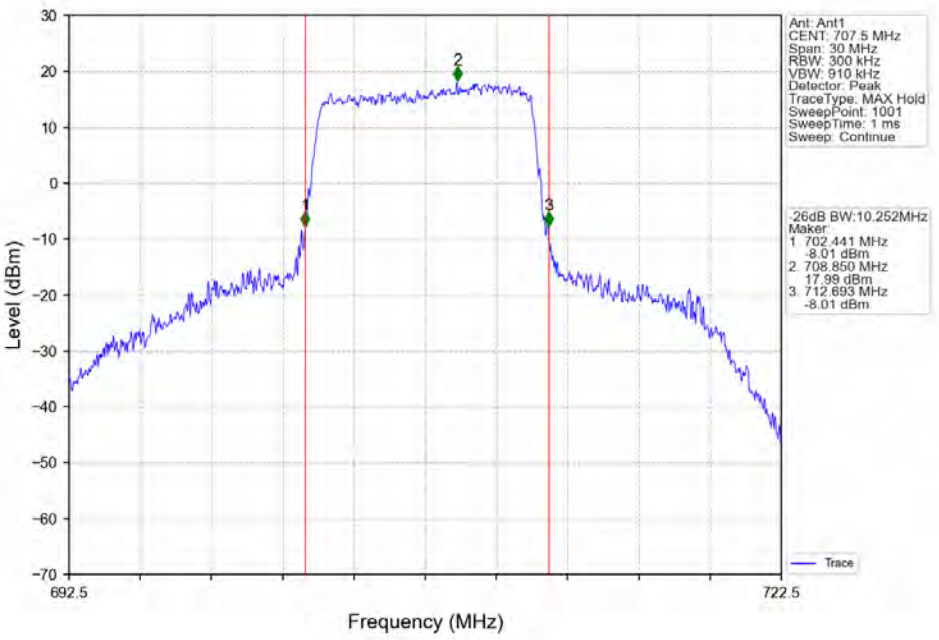


Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

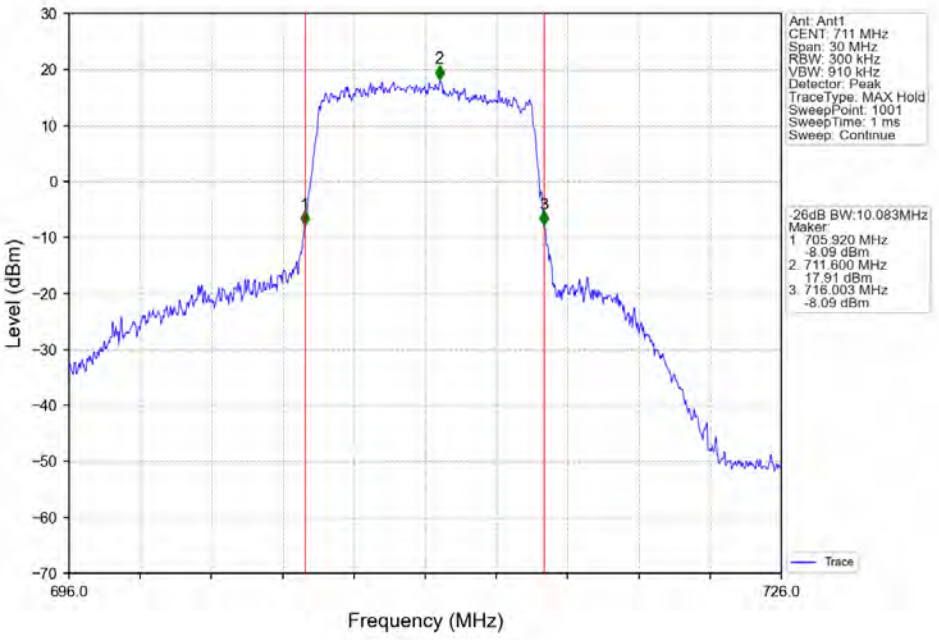


Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV


Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

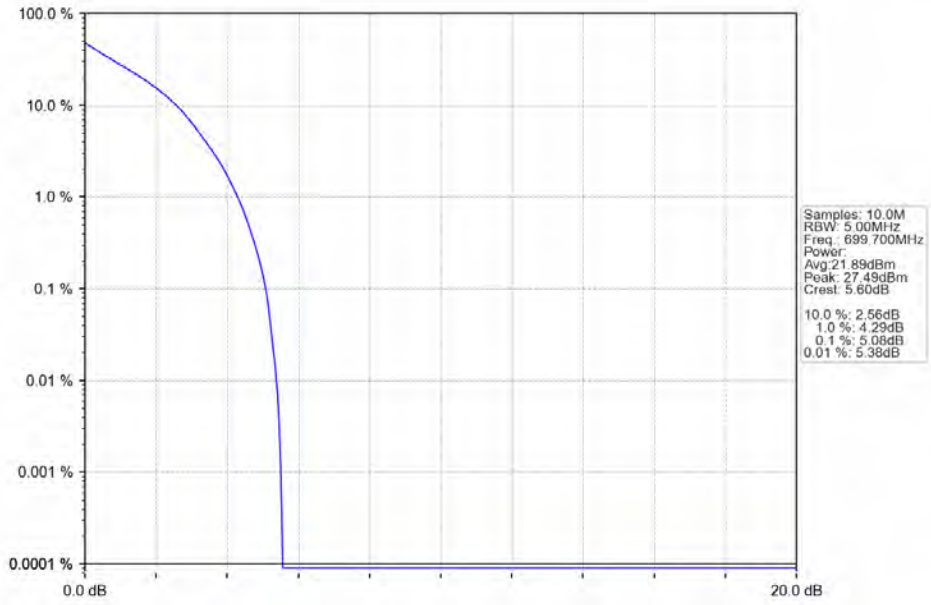
5.1 B12_1.4MHz

5.1.1 Test Result

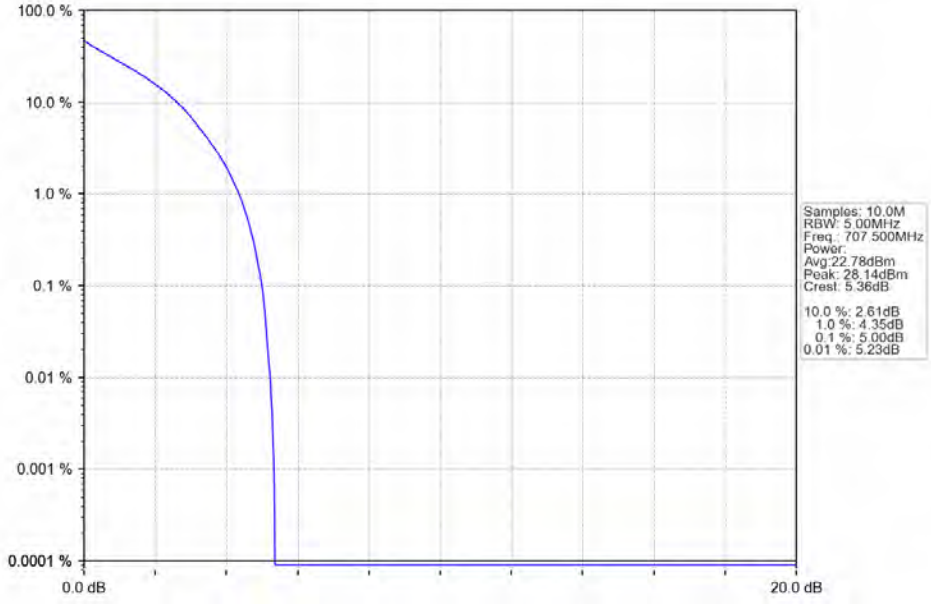
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.08	<=13	Pass
	707.5	6	0	5.00	<=13	Pass
	715.3	6	0	4.96	<=13	Pass
16QAM	699.7	6	0	5.91	<=13	Pass
	707.5	6	0	5.60	<=13	Pass
	715.3	6	0	5.75	<=13	Pass

5.1.2 Test Graph

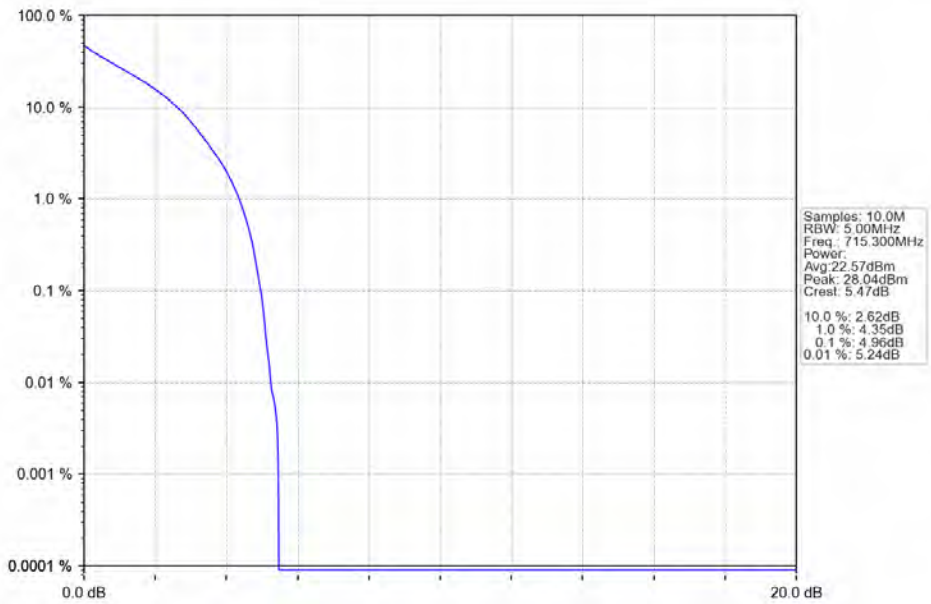
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



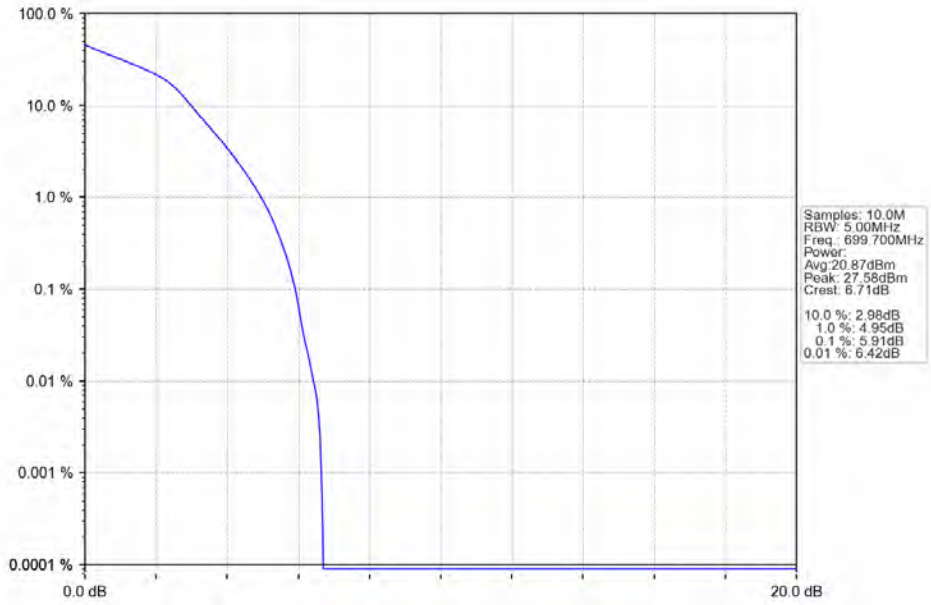
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



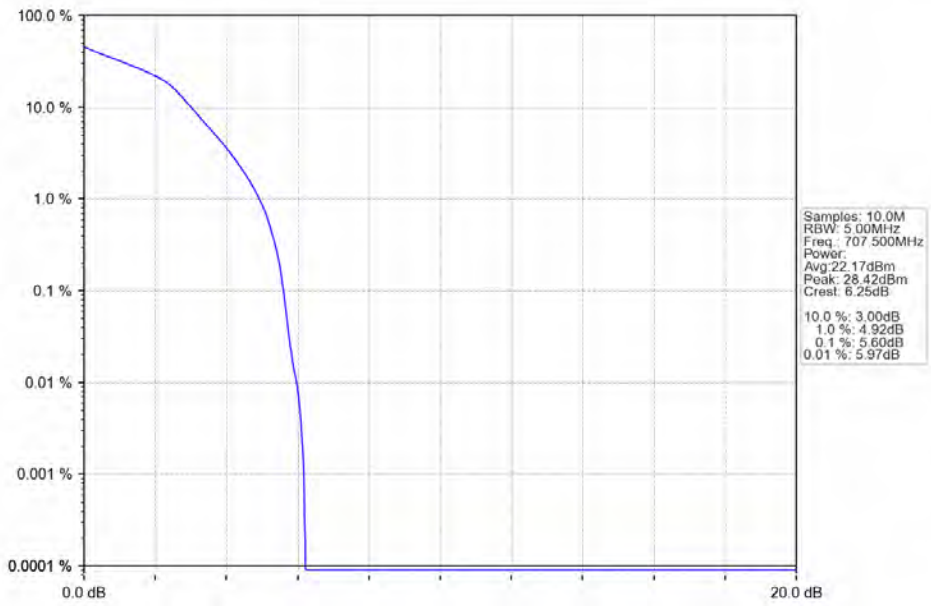
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



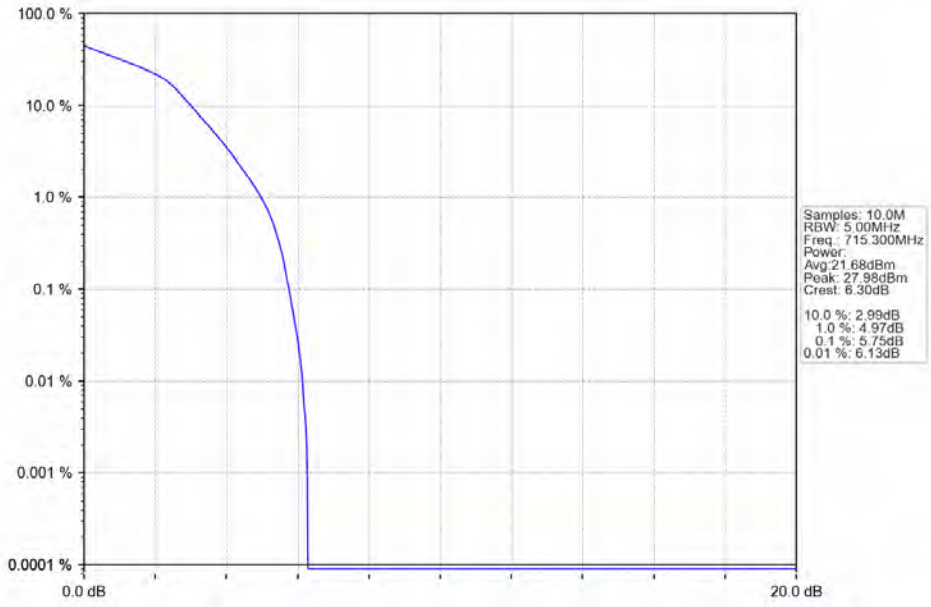
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



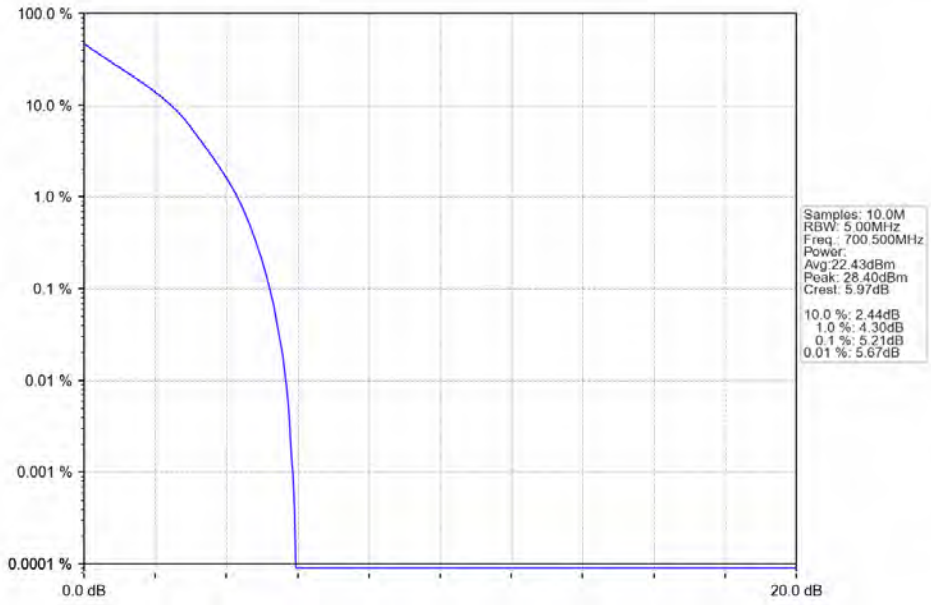
5.2 B12_3MHz

5.2.1 Test Result

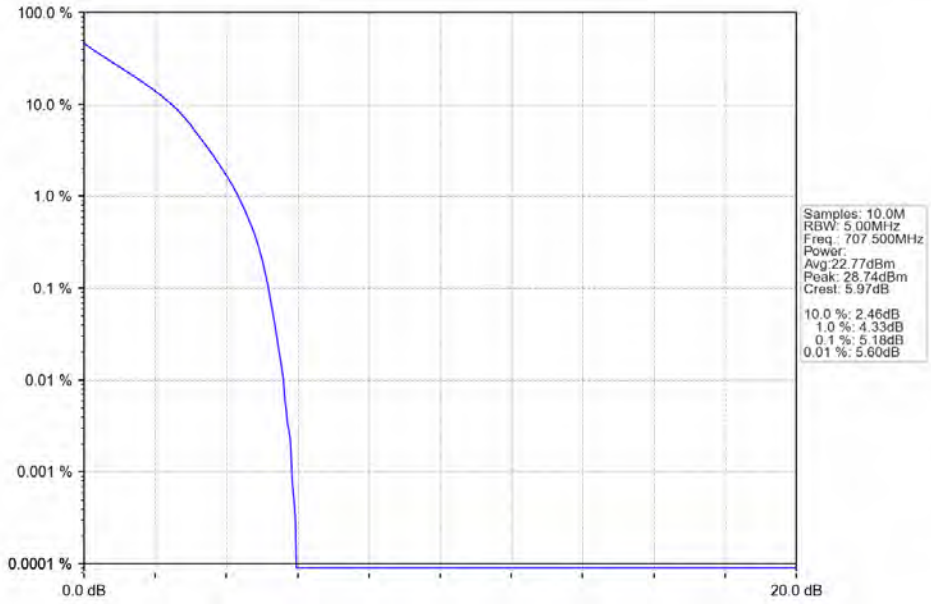
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.21	<=13	Pass
	707.5	15	0	5.18	<=13	Pass
	714.5	15	0	4.93	<=13	Pass
16QAM	700.5	15	0	5.81	<=13	Pass
	707.5	15	0	5.89	<=13	Pass
	714.5	15	0	5.78	<=13	Pass

5.2.2 Test Graph

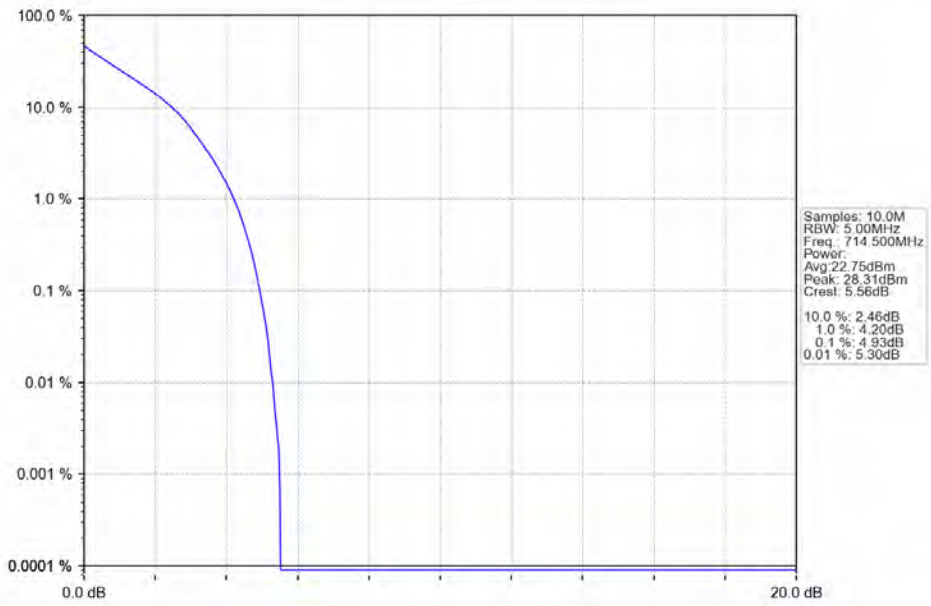
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



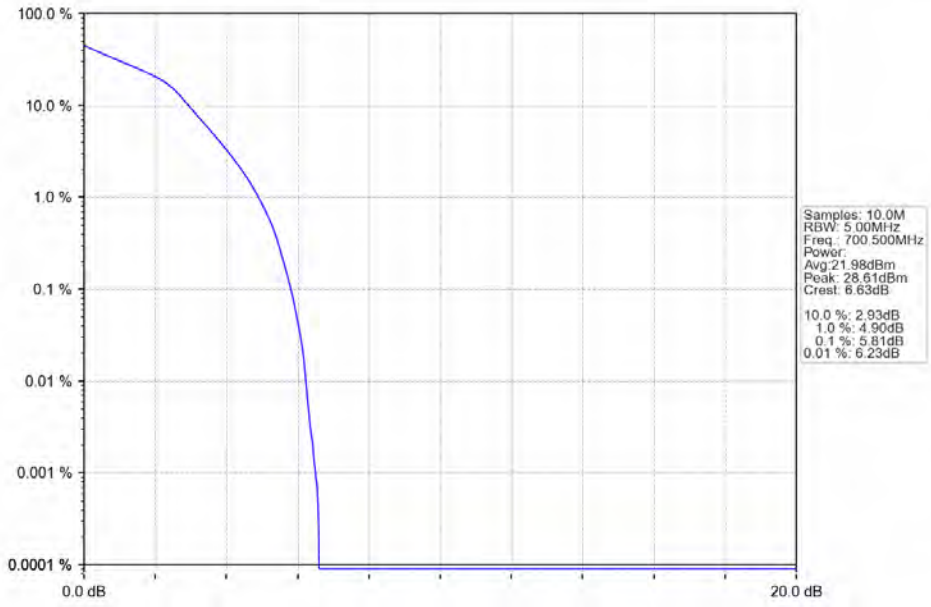
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



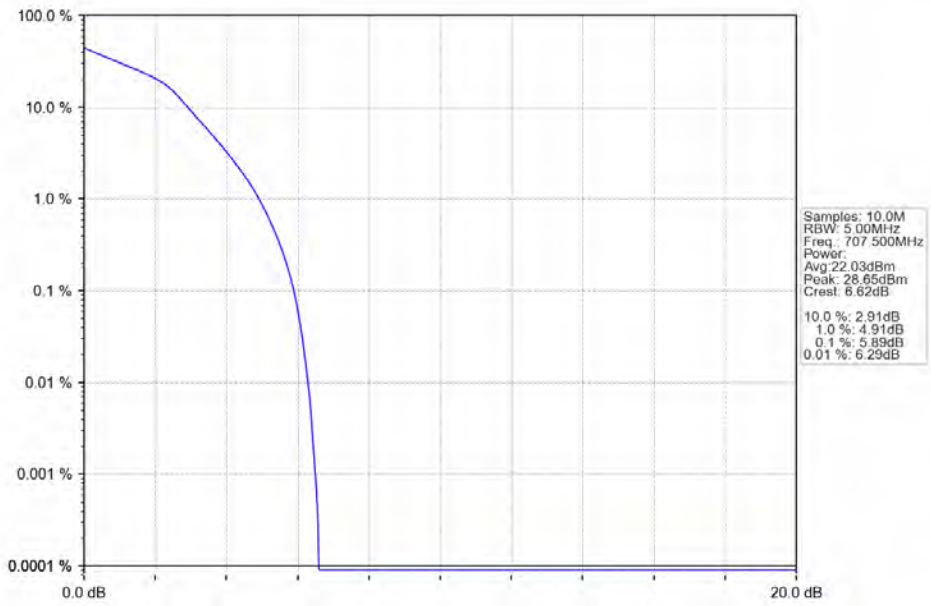
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



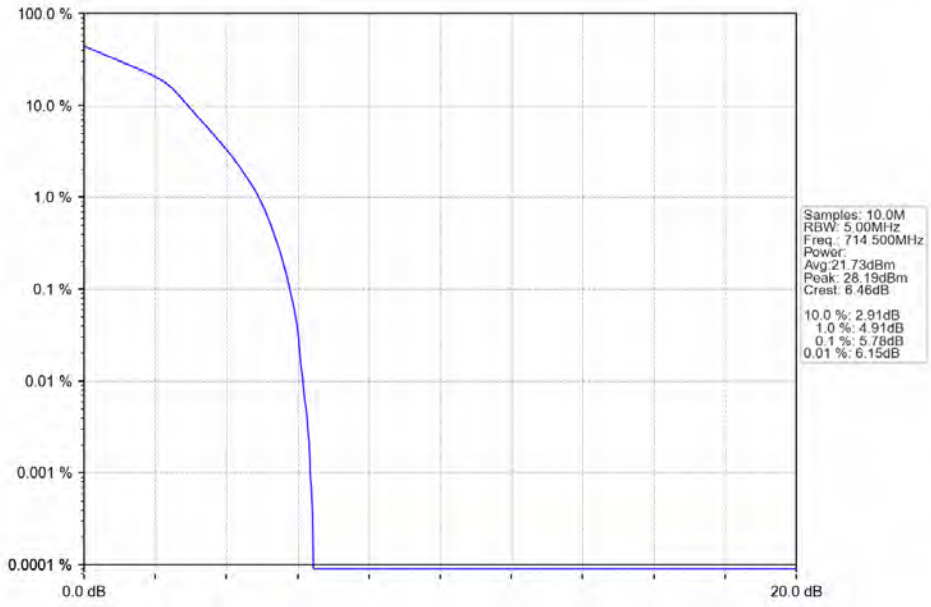
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



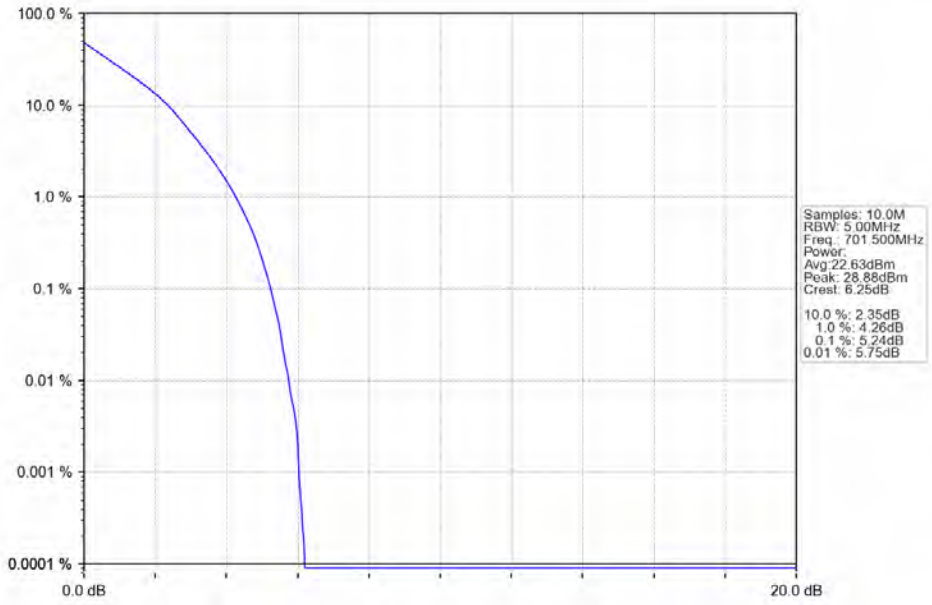
5.3 B12_5MHz

5.3.1 Test Result

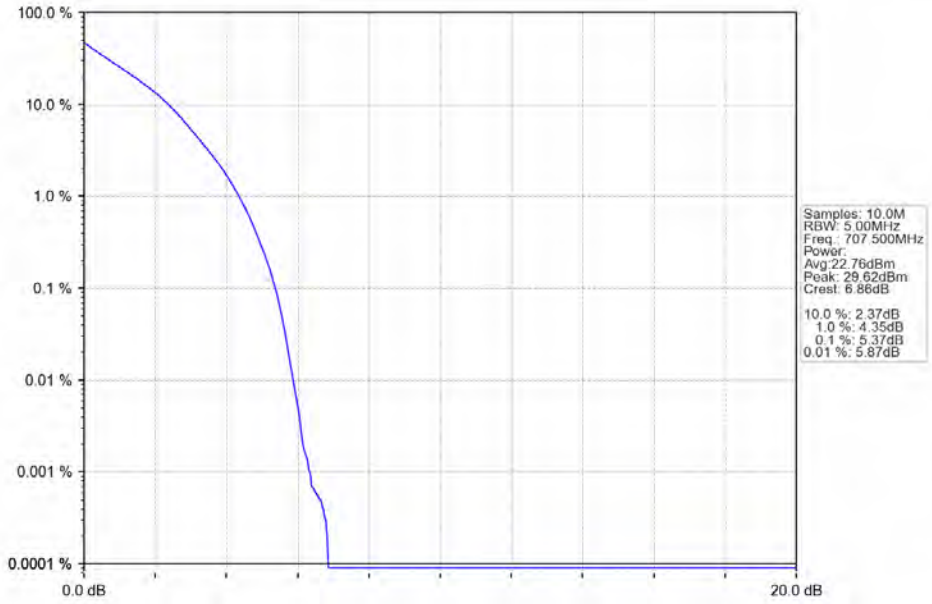
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.24	<=13	Pass
	707.5	25	0	5.37	<=13	Pass
	713.5	25	0	5.11	<=13	Pass
16QAM	701.5	25	0	6.01	<=13	Pass
	707.5	25	0	6.00	<=13	Pass
	713.5	25	0	5.87	<=13	Pass

5.3.2 Test Graph

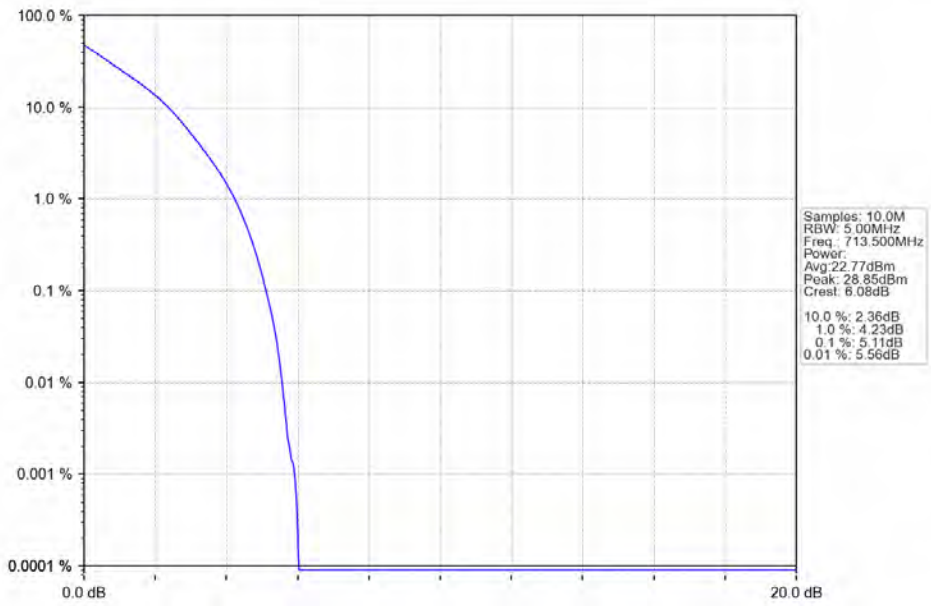
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



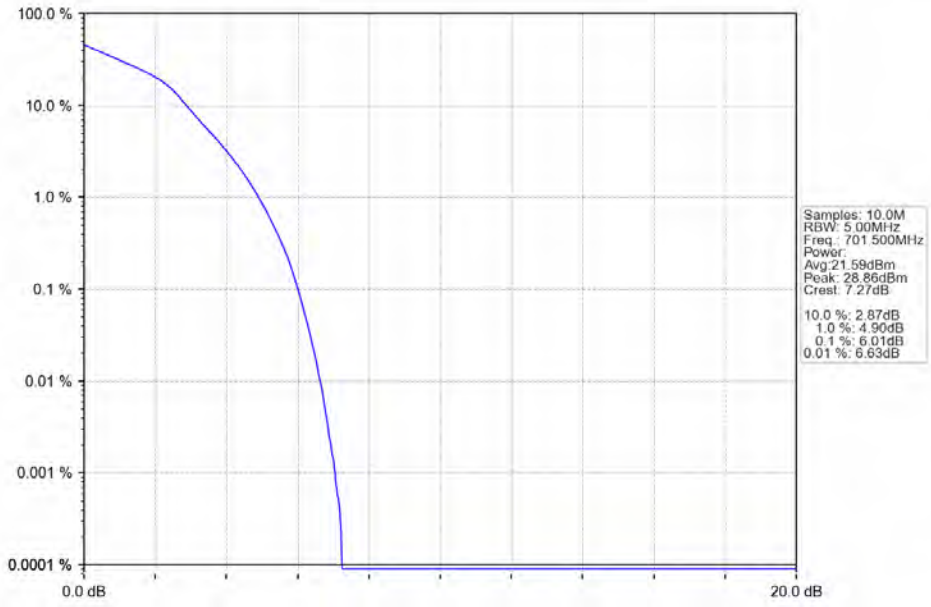
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



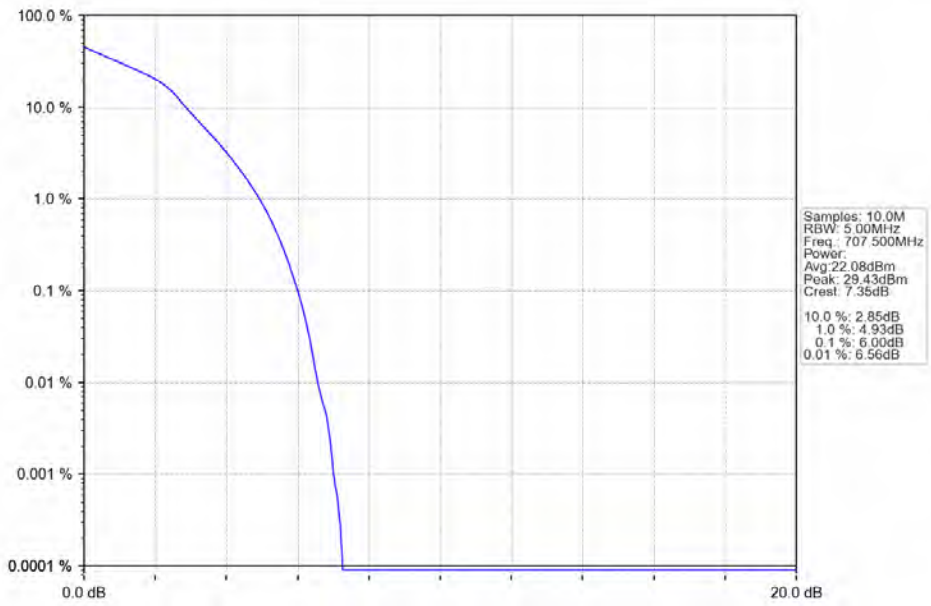
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



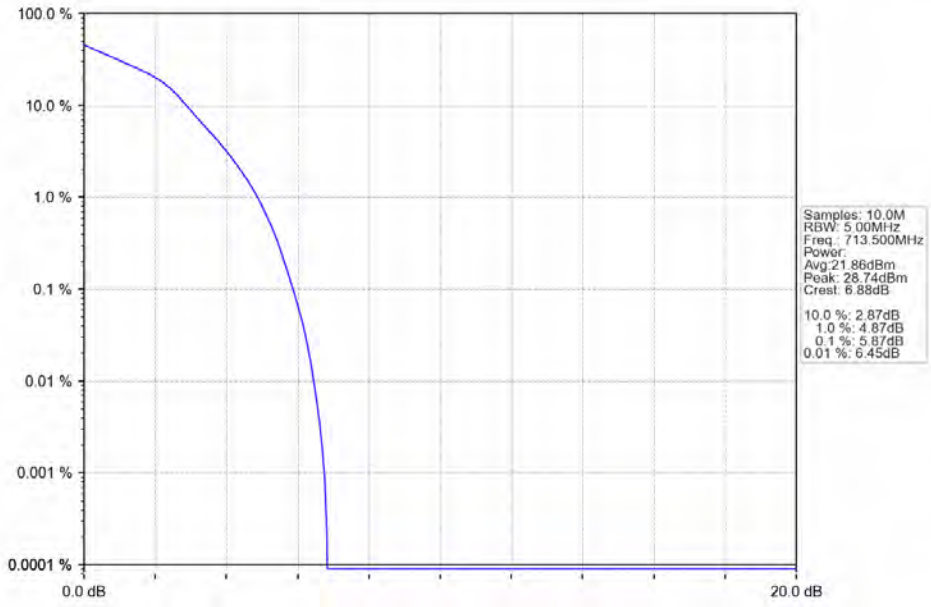
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



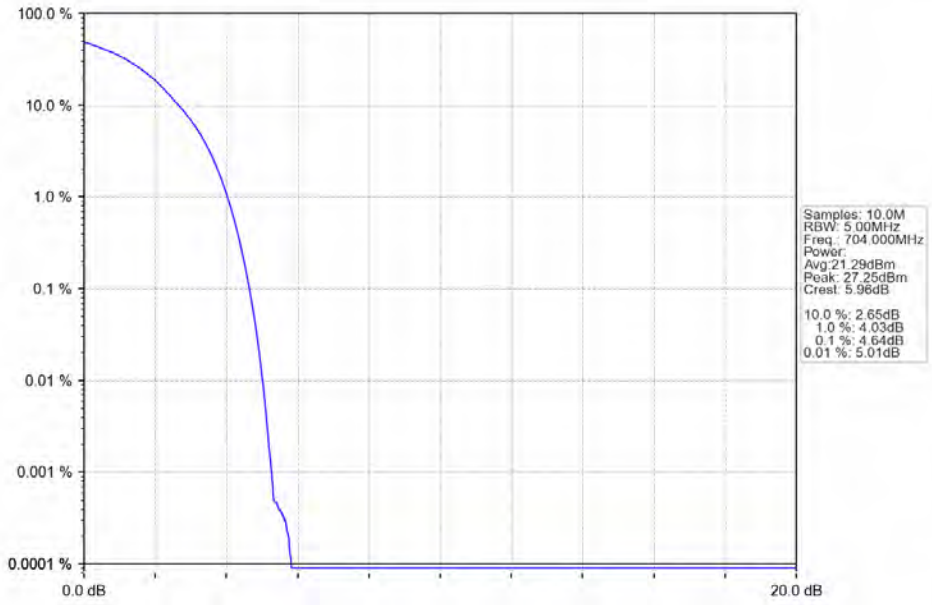
5.4 B12_10MHz

5.4.1 Test Result

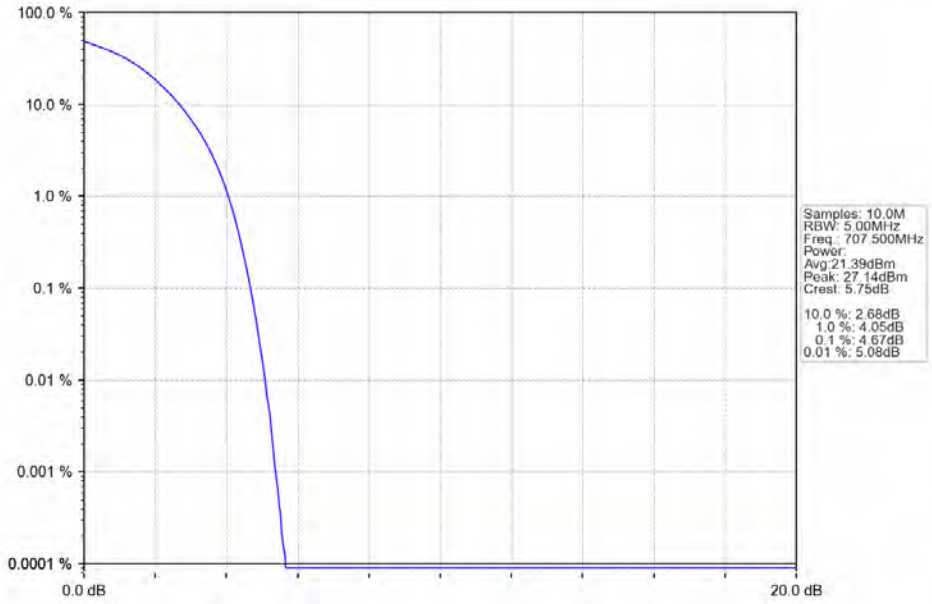
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.64	<=13	Pass
	707.5	50	0	4.67	<=13	Pass
	711	50	0	4.53	<=13	Pass
16QAM	704	50	0	6.03	<=13	Pass
	707.5	50	0	6.01	<=13	Pass
	711	50	0	6.03	<=13	Pass

5.4.2 Test Graph

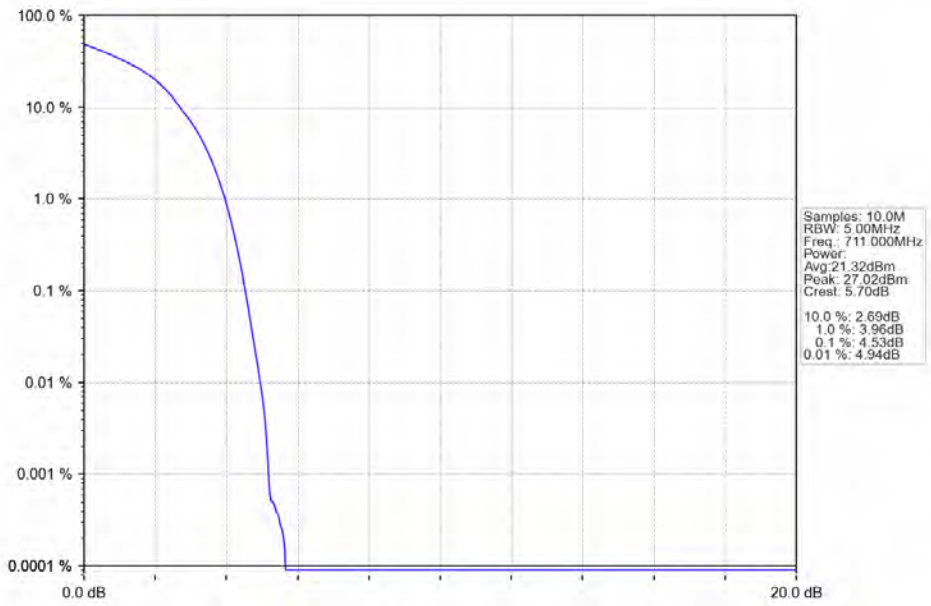
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



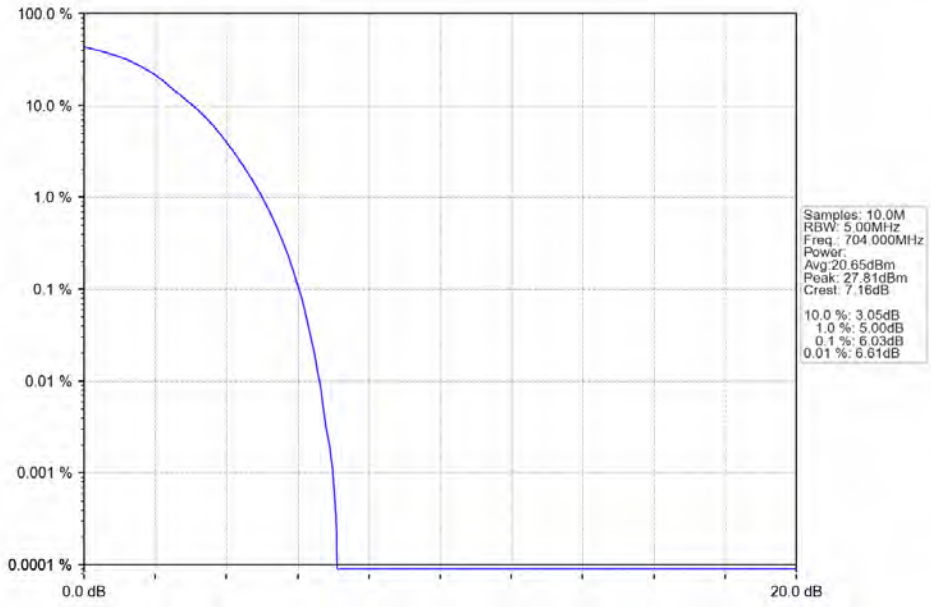
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



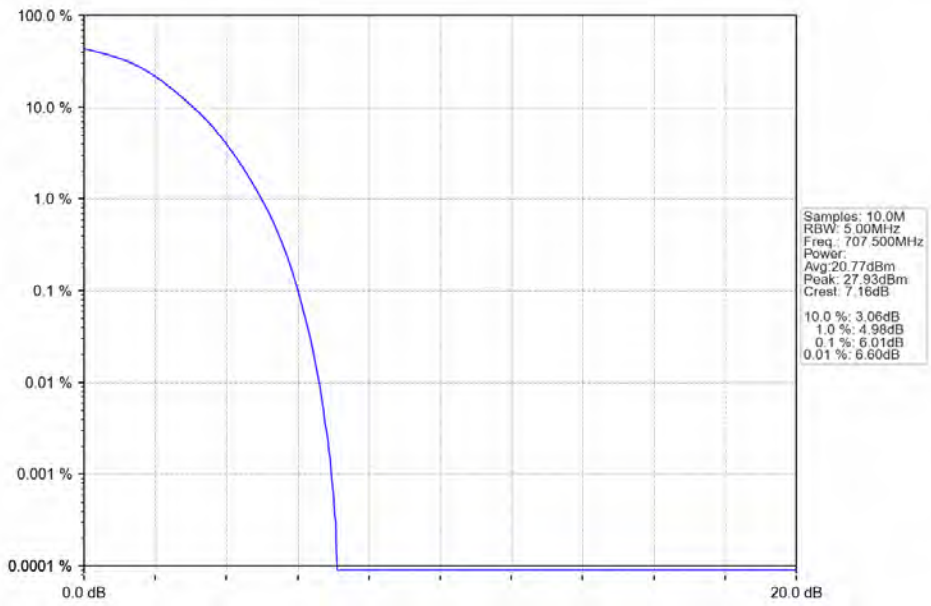
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



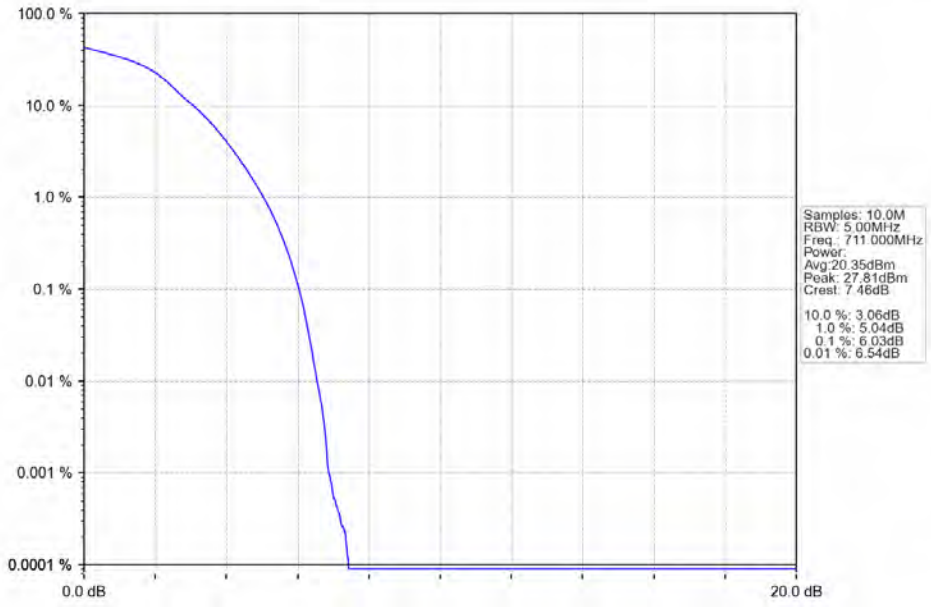
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

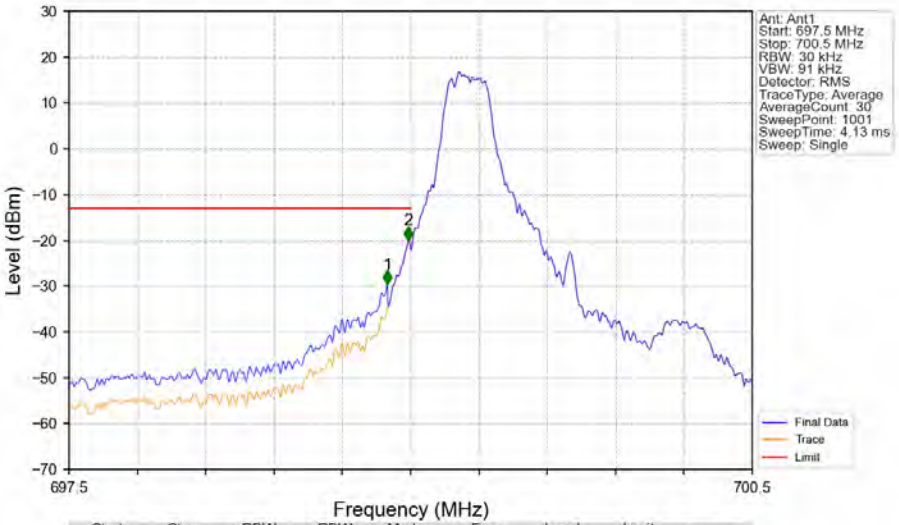
6.1 B12_1.4MHz

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

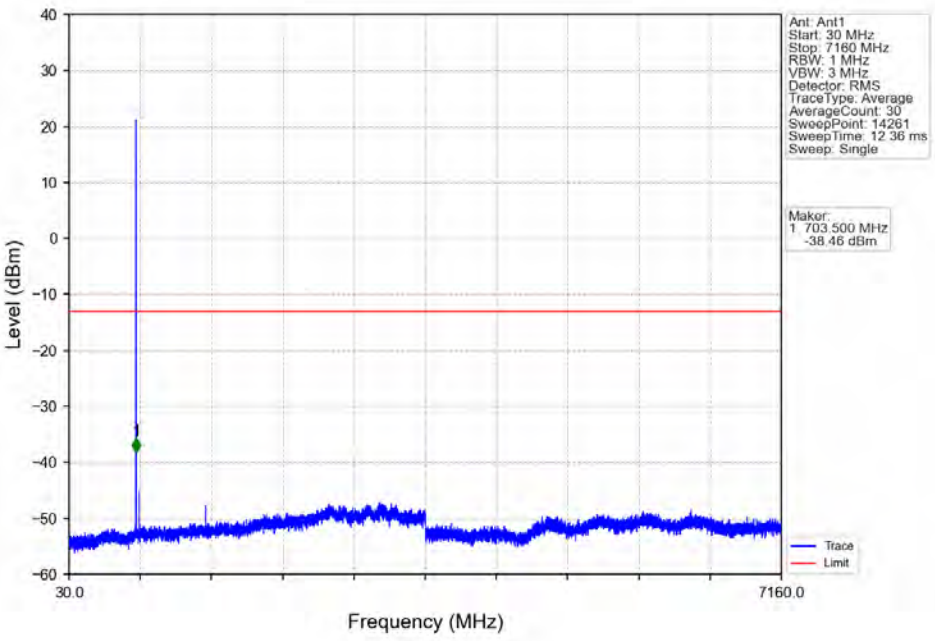
6.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

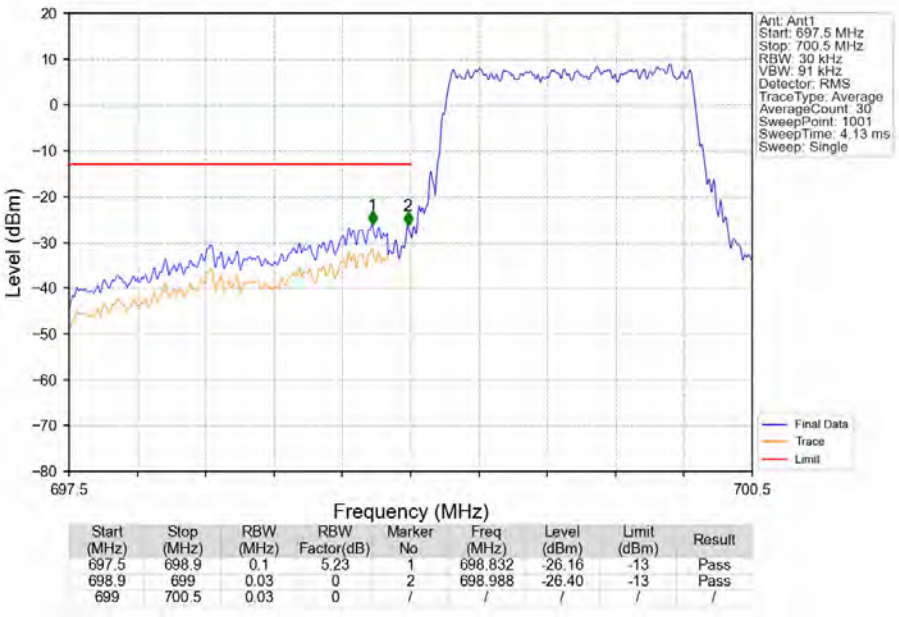


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	5.23	1	698.898	-29.58	-13	Pass
698.9	699	0.03	0	2	698.991	-19.99	-13	Pass
699	700.5	0.03	0	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

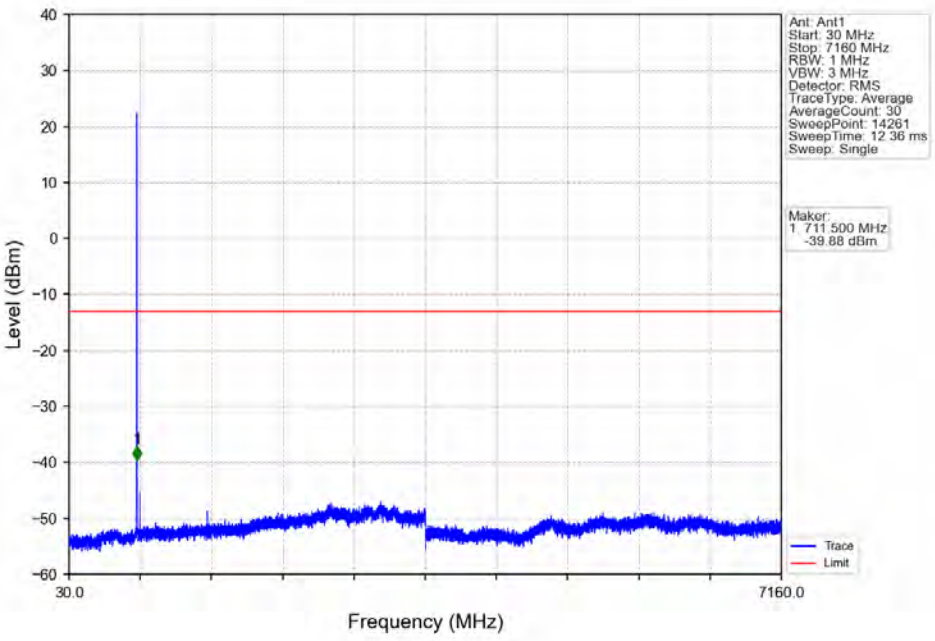


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

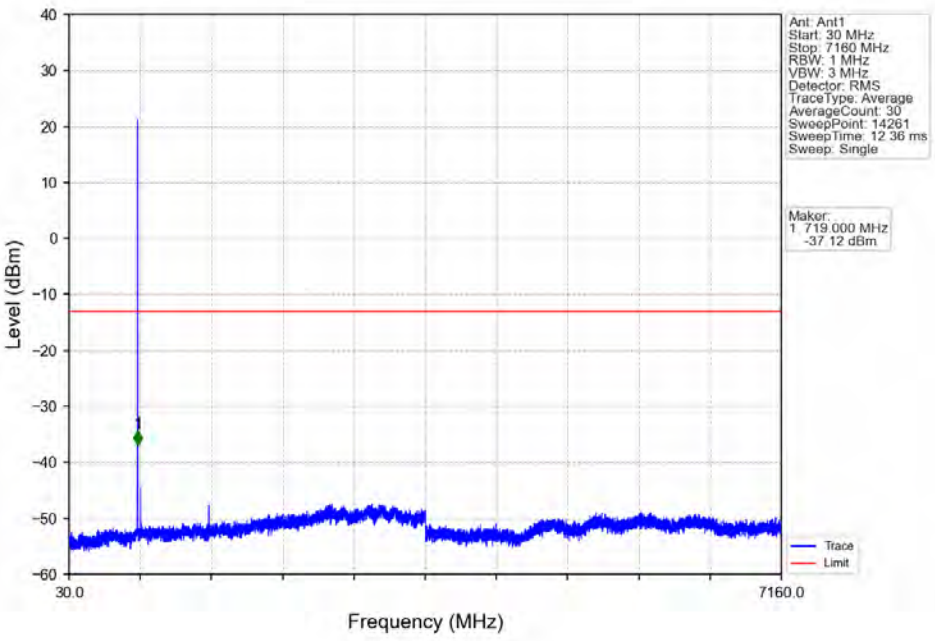


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	5.23	1	698.832	-26.16	-13	Pass
698.9	699	0.03	0	2	698.988	-26.40	-13	Pass
699	700.5	0.03	0	/	/	/	/	/

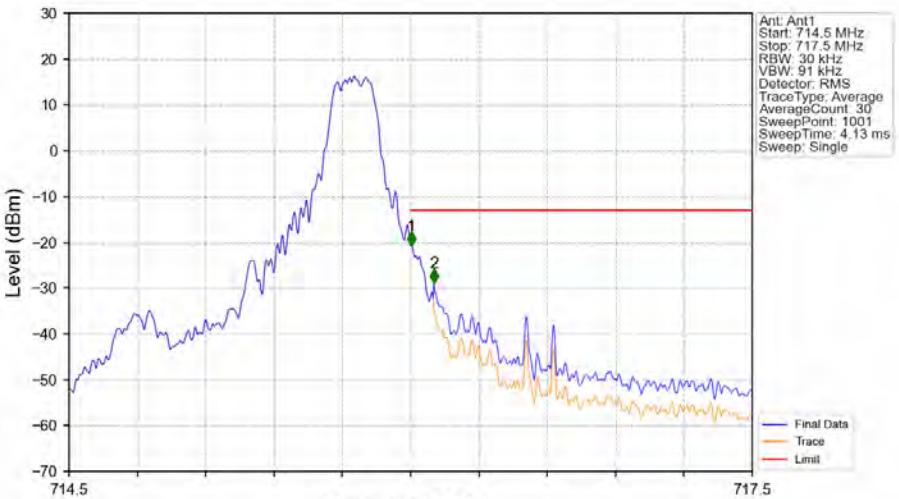
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

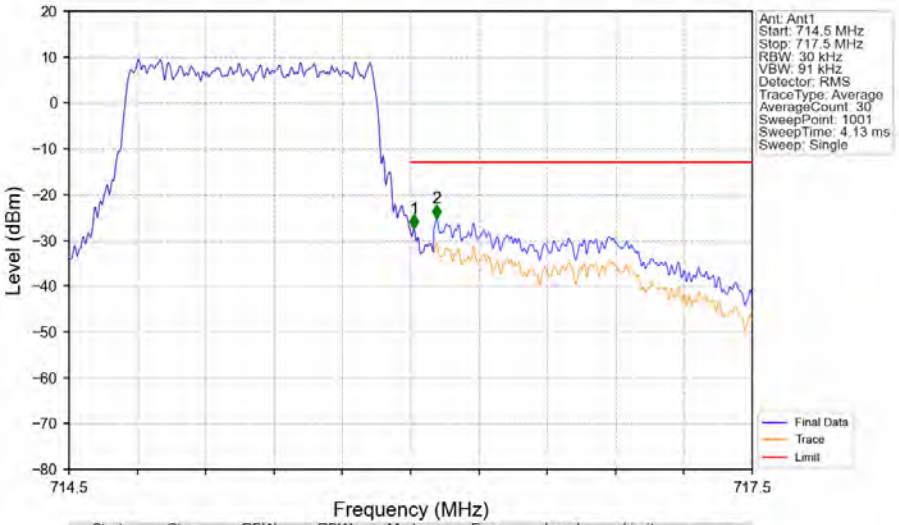


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



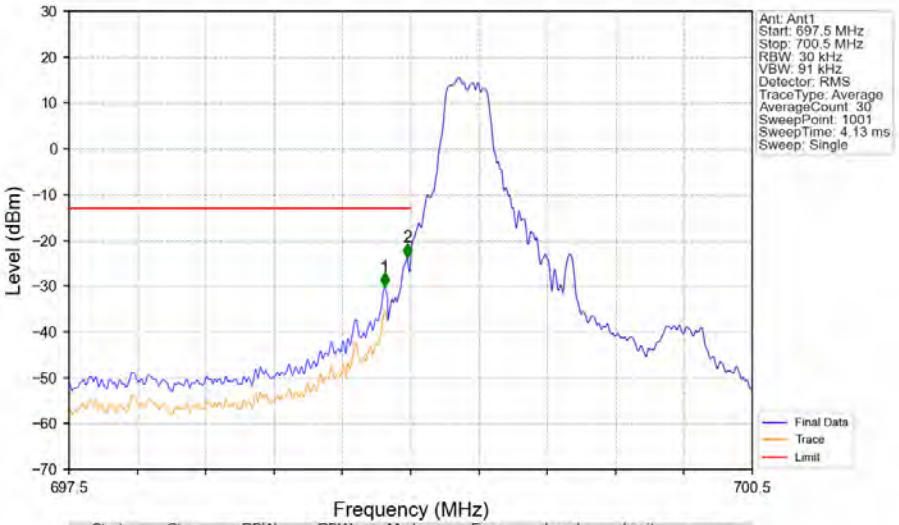
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.003	-20.82	-13	Pass
716.1	717.5	0.1	5.23	2	716.102	-28.88	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



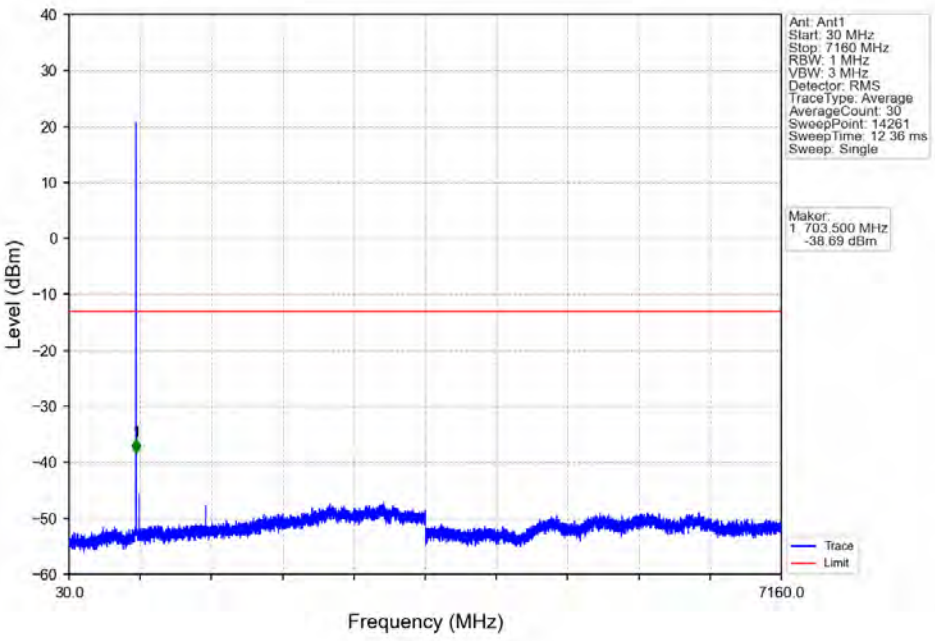
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.015	-27.49	-13	Pass
716.1	717.5	0.1	5.23	2	716.114	-25.23	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

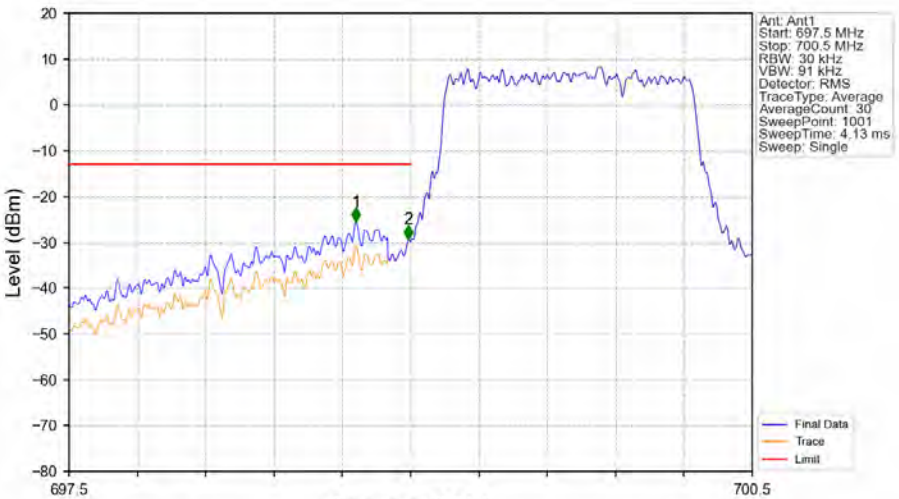


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	5.23	1	698.886	-30.15	-13	Pass
698.9	699	0.03	0	2	698.985	-23.70	-13	Pass
699	700.5	0.03	0	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

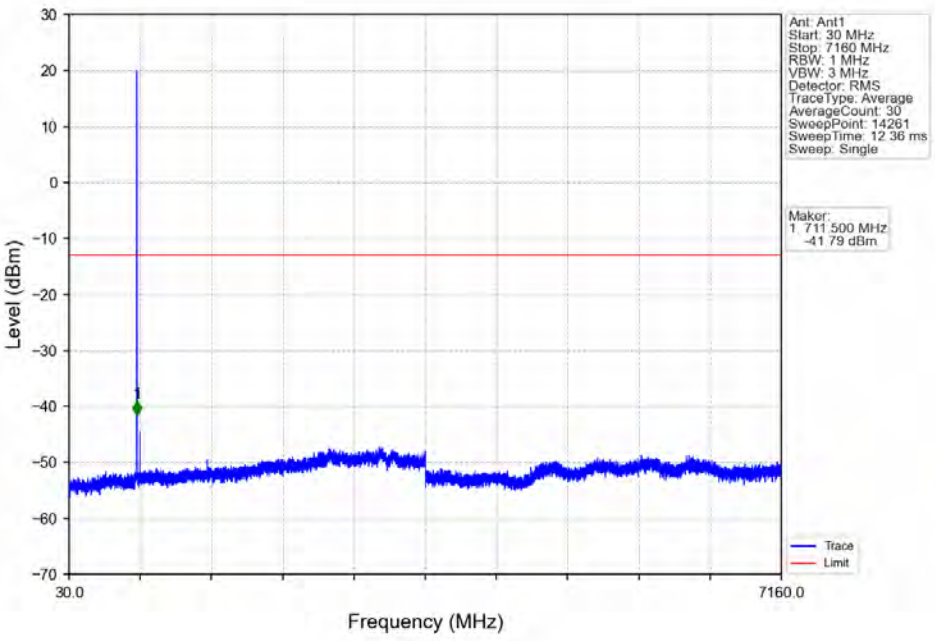


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

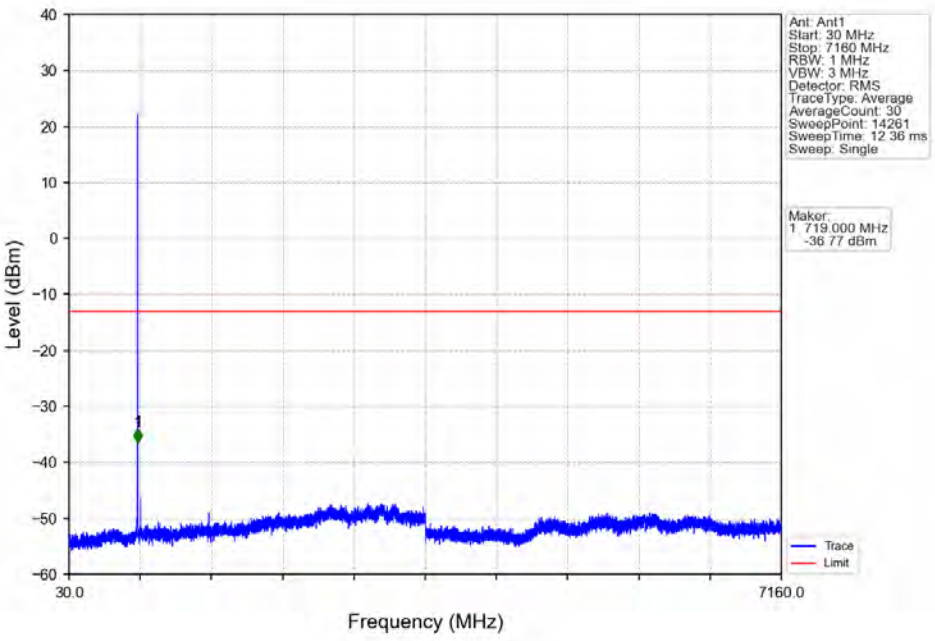


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	5.23	1	698.760	-25.45	-13	Pass
698.9	699	0.03	0	2	698.991	-29.31	-13	Pass
699	700.5	0.03	0	/	/	/	/	/

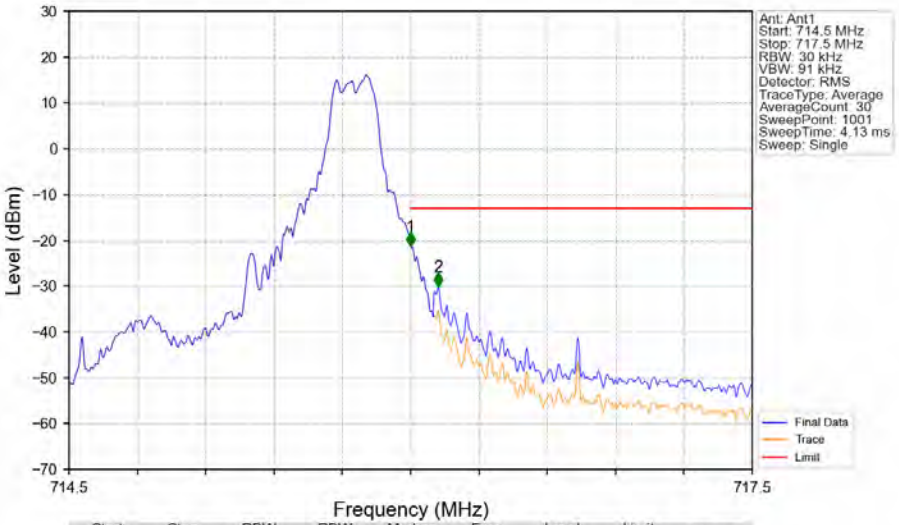
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

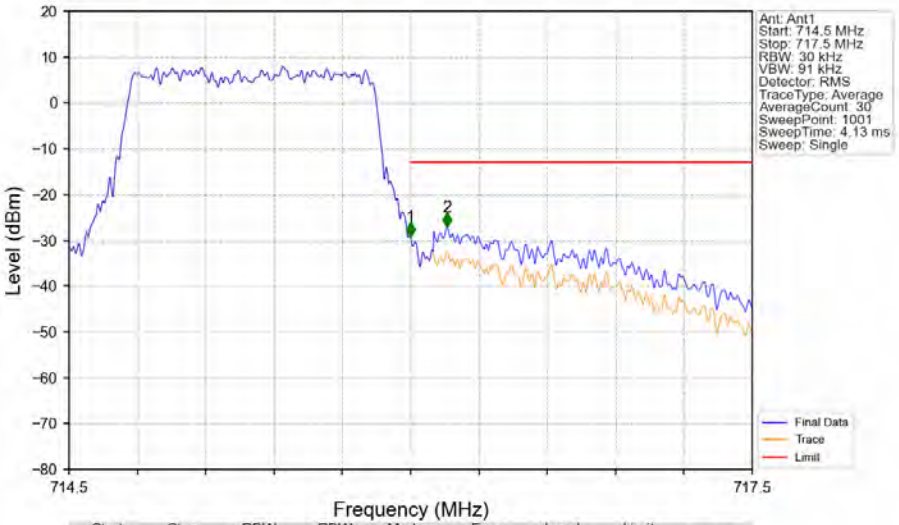


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.000	-21.35	-13	Pass
716.1	717.5	0.1	5.23	2	716.120	-30.17	-13	Pass

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.000	-29.28	-13	Pass
716.1	717.5	0.1	5.23	2	716.159	-27.16	-13	Pass

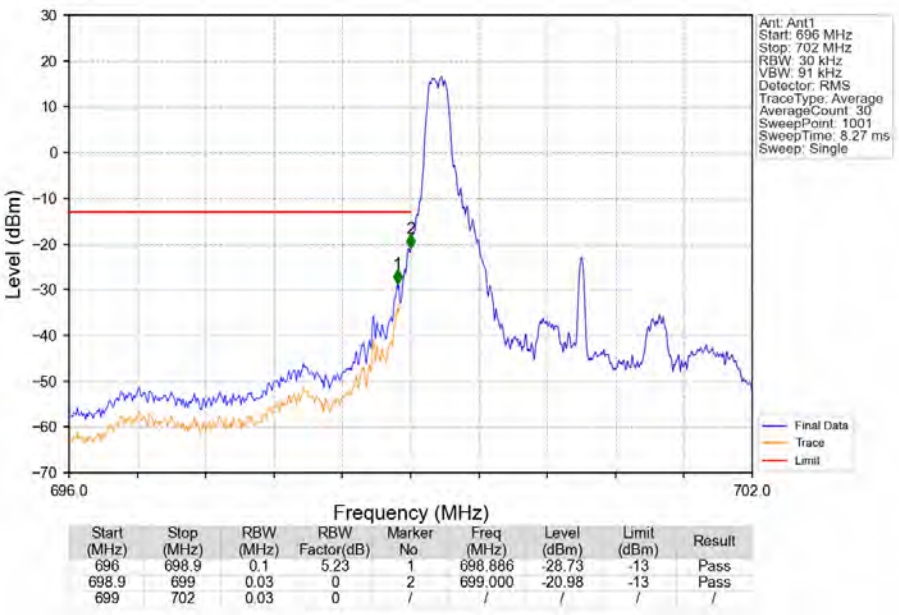
6.2 B12_3MHz

6.2.1 Test Result

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

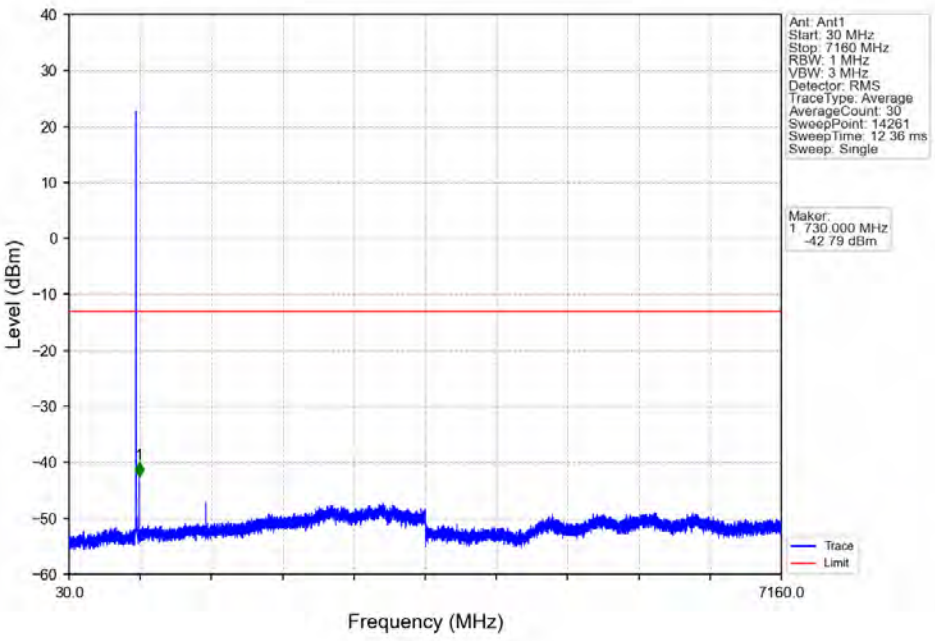
6.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

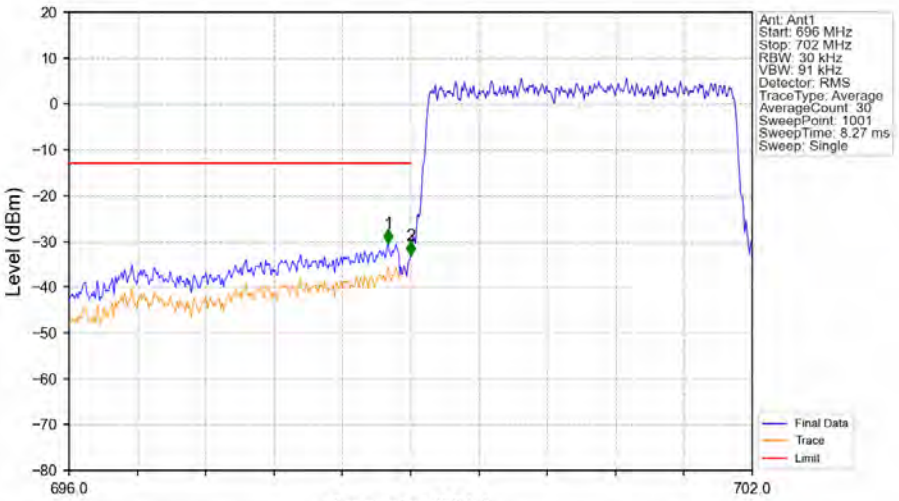


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	5.23	1	698.886	-28.73	-13	Pass
698.9	699	0.03	0	2	699.000	-20.98	-13	Pass
699	702	0.03	0	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

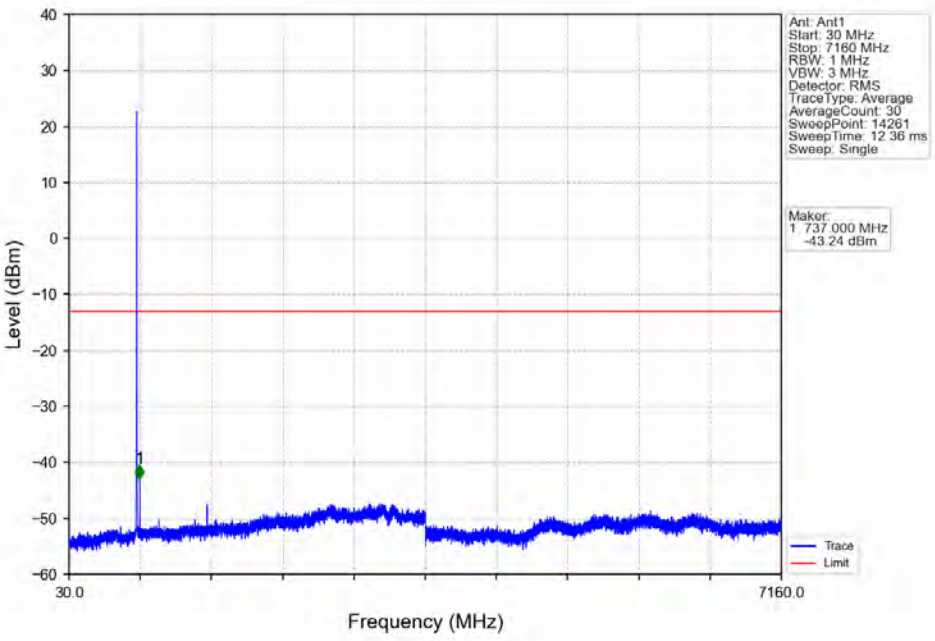


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

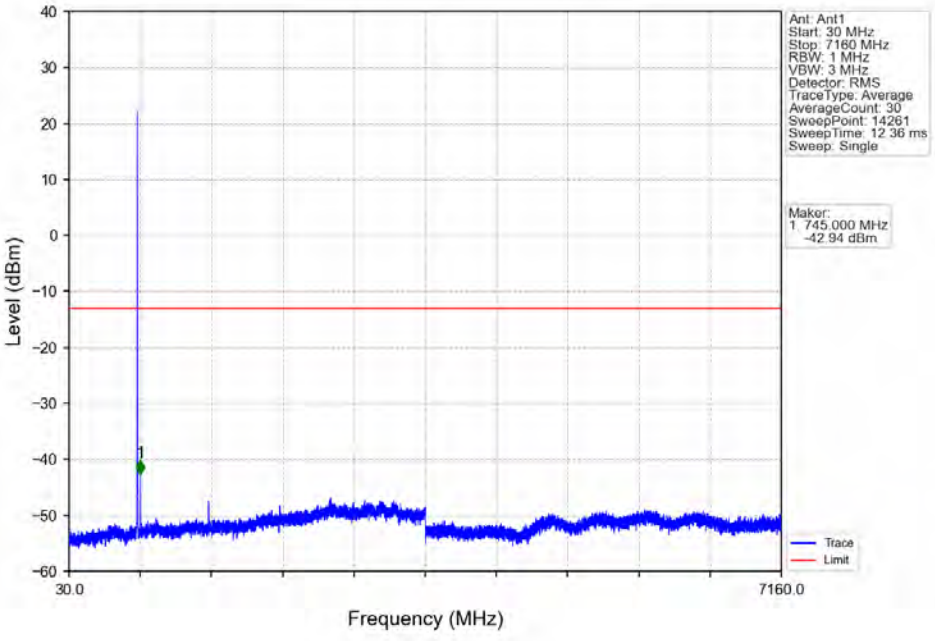


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	5.23	1	698.802	-30.51	-13	Pass
698.9	699	0.03	0	2	699.000	-33.06	-13	Pass
699	702	0.03	0	/	/	/	/	/

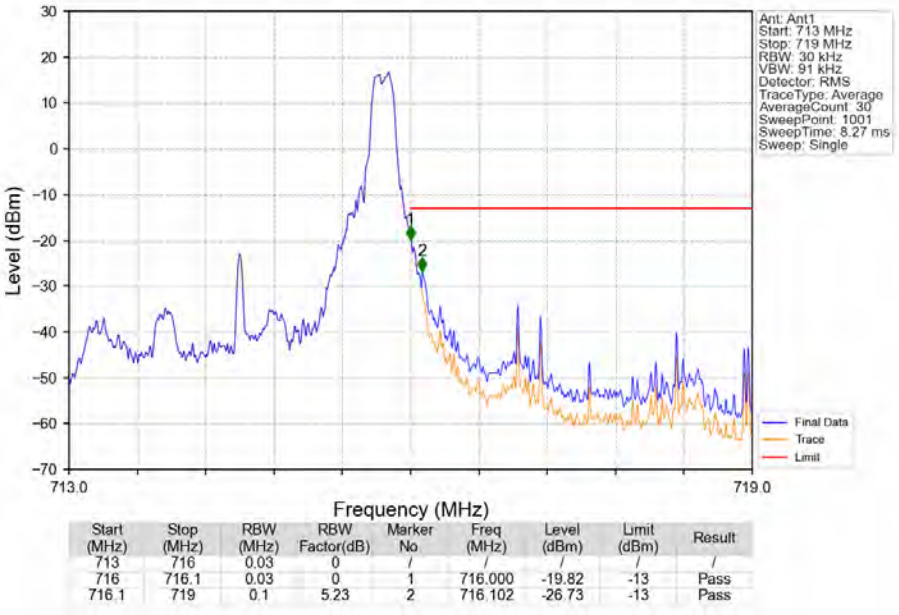
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

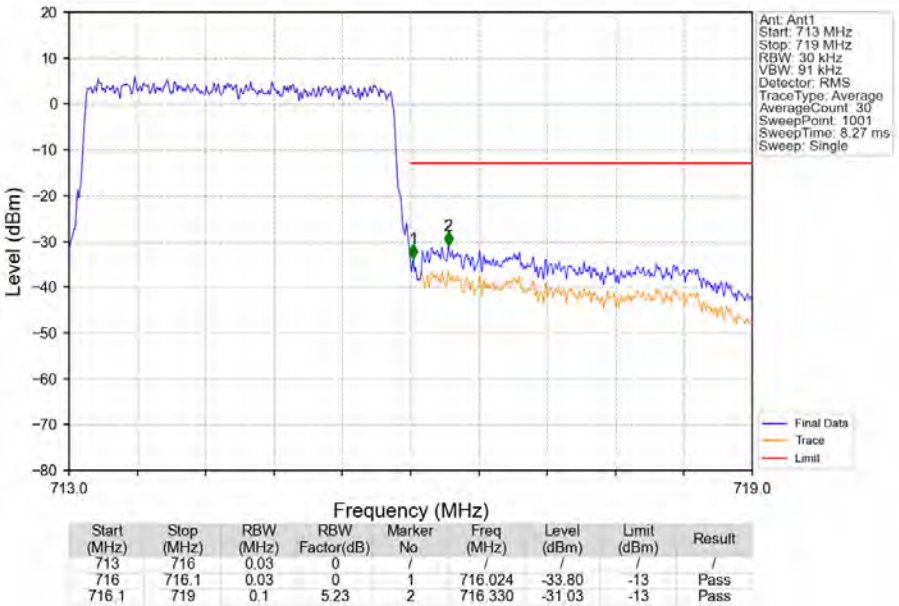


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



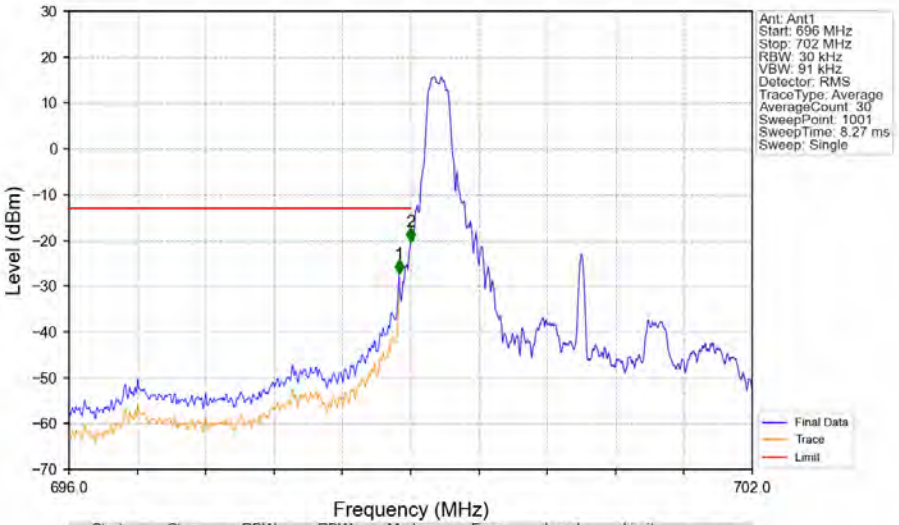
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.000	-19.82	-13	Pass
716.1	719	0.1	5.23	2	716.102	-26.73	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



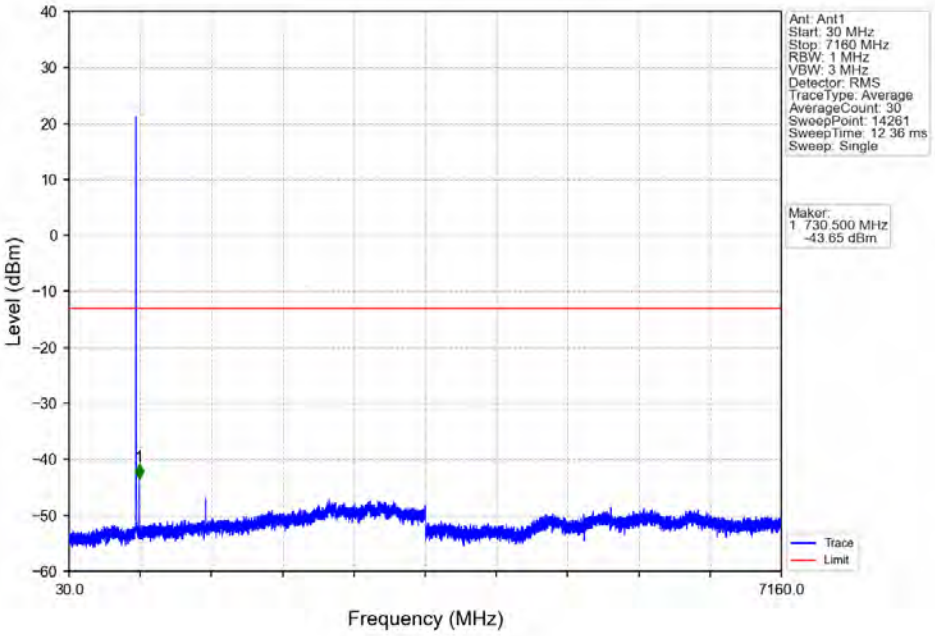
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.024	-33.80	-13	Pass
716.1	719	0.1	5.23	2	716.330	-31.03	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

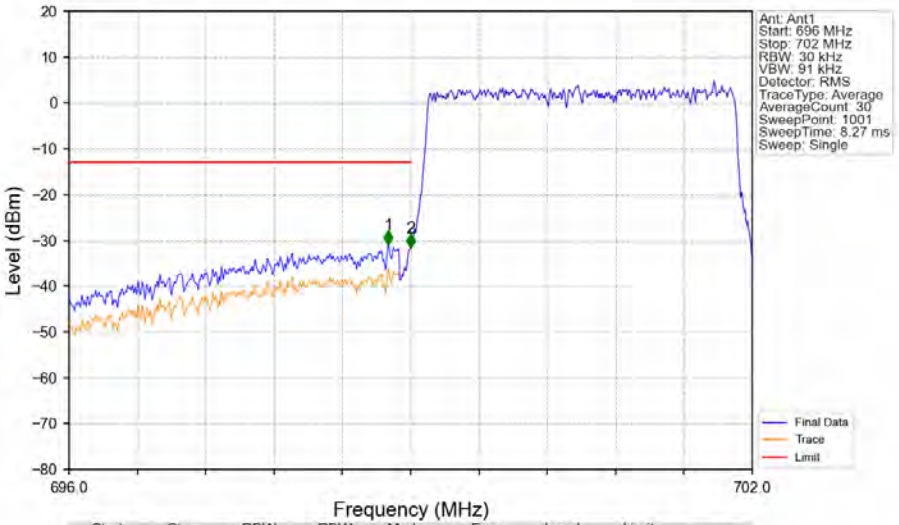


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	5.23	1	698.898	-27.29	-13	Pass
698.9	699	0.03	0	2	699.000	-20.24	-13	Pass
699	702	0.03	0	/	/	/	/	/

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

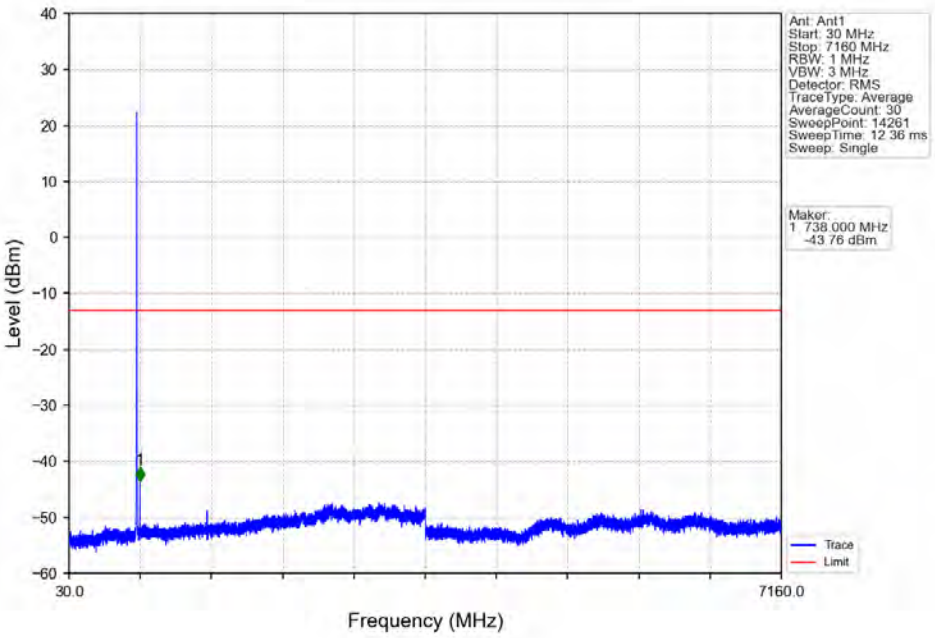


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

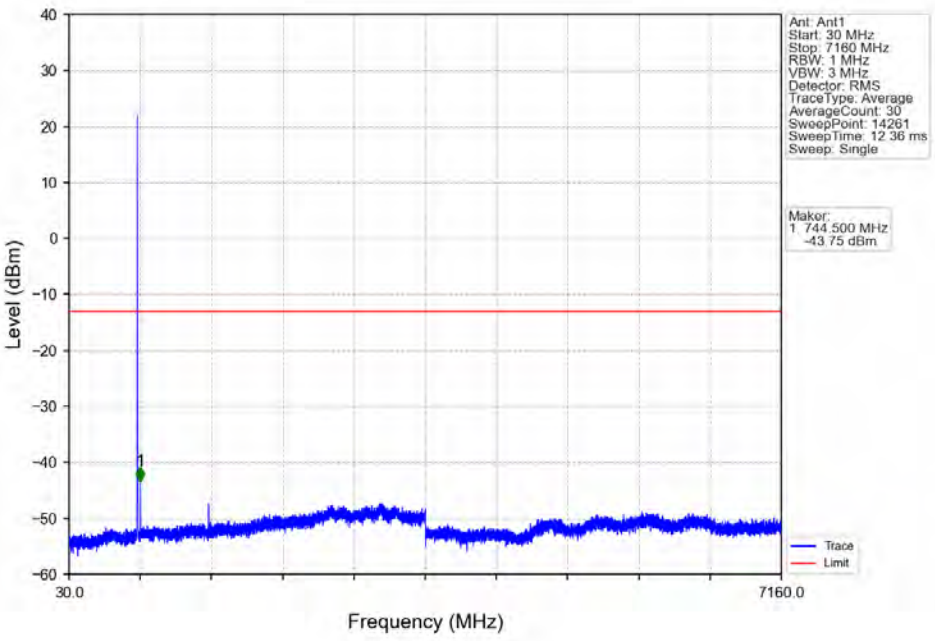


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	5.23	1	698.802	-30.92	-13	Pass
698.9	699	0.03	0	2	699.000	-31.69	-13	Pass
699	702	0.03	0	/	/	/	/	/

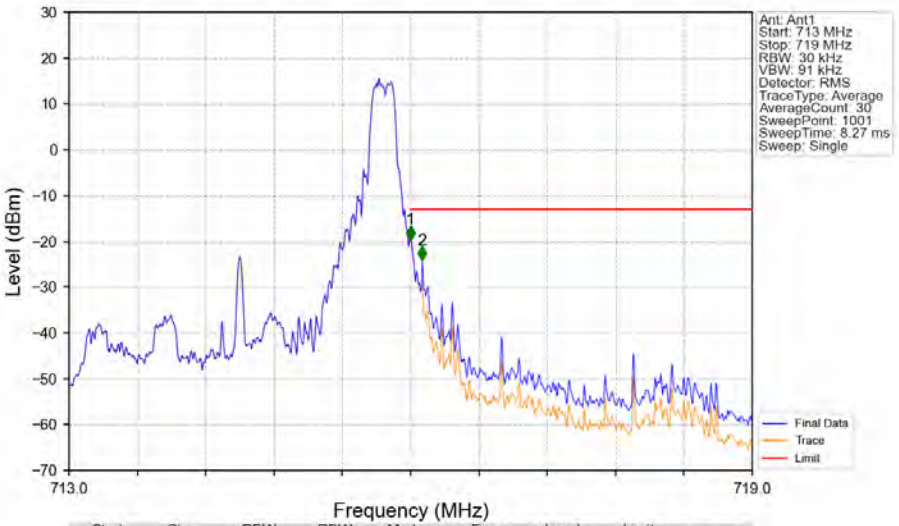
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

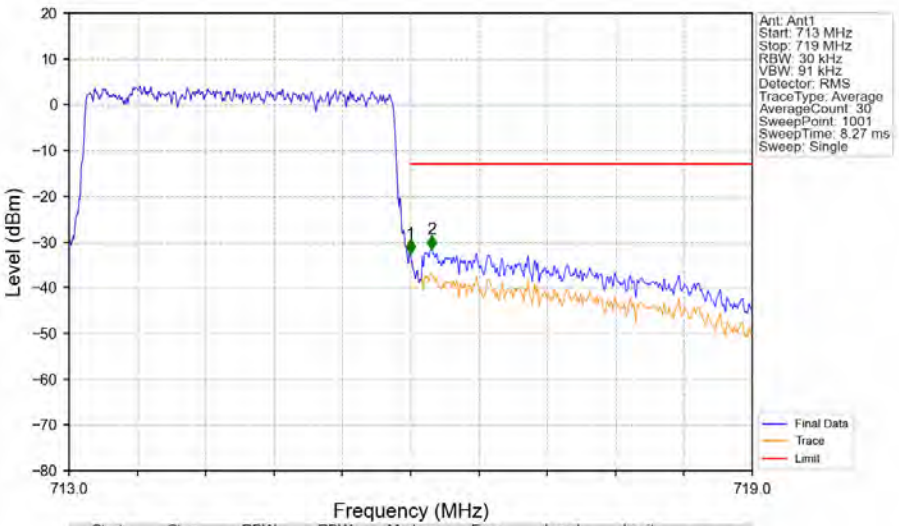


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.000	-19.66	-13	Pass
716.1	719	0.1	5.23	2	716.102	-24.13	-13	Pass

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.000	-32.58	-13	Pass
716.1	719	0.1	5.23	2	716.186	-31.62	-13	Pass

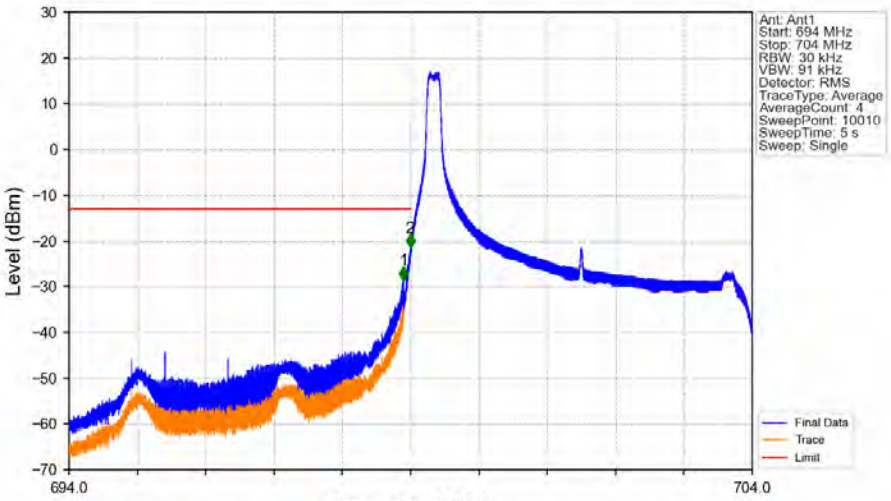
6.3 B12_5MHz

6.3.1 Test Result

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

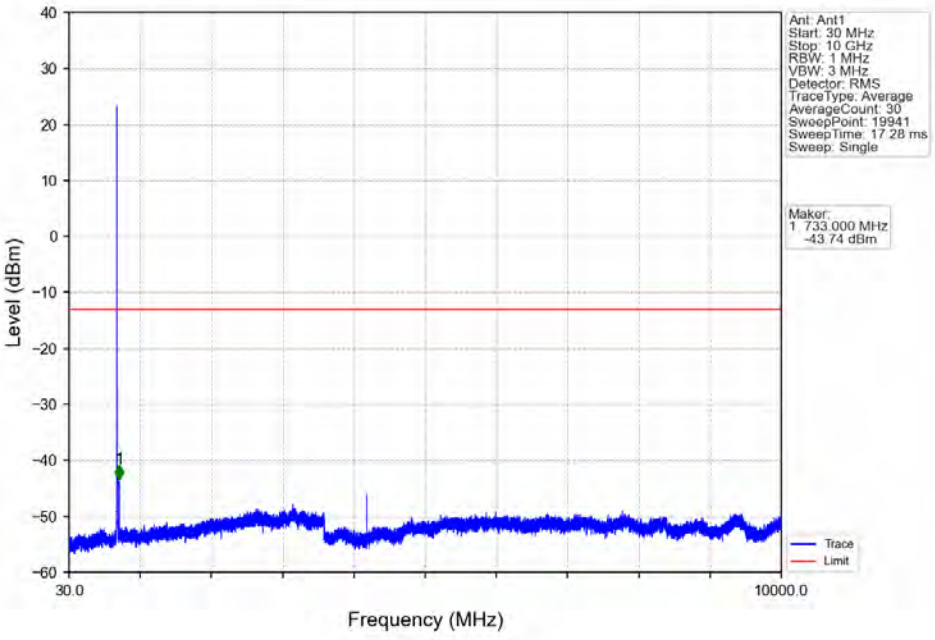
6.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

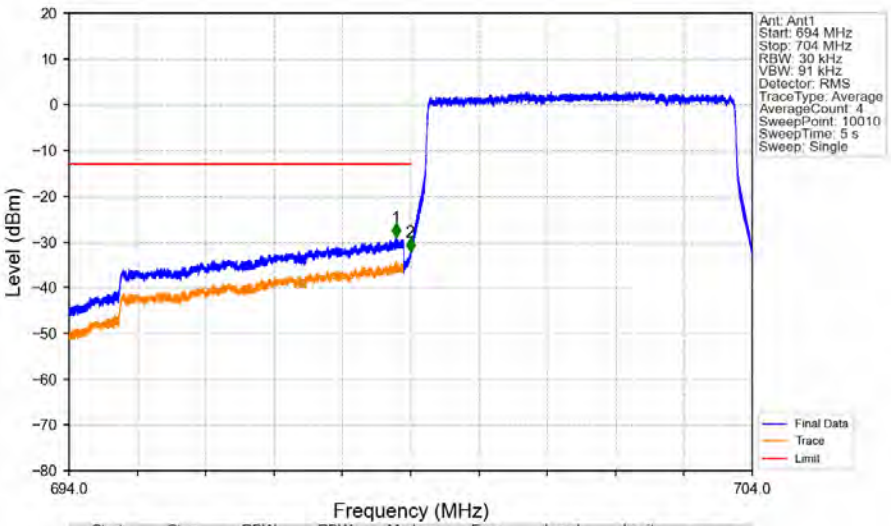


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	5.23	1	698.895	-28.66	-13	Pass
698.9	699	0.03	0	2	698.995	-21.54	-13	Pass
699	704	0.03	0	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

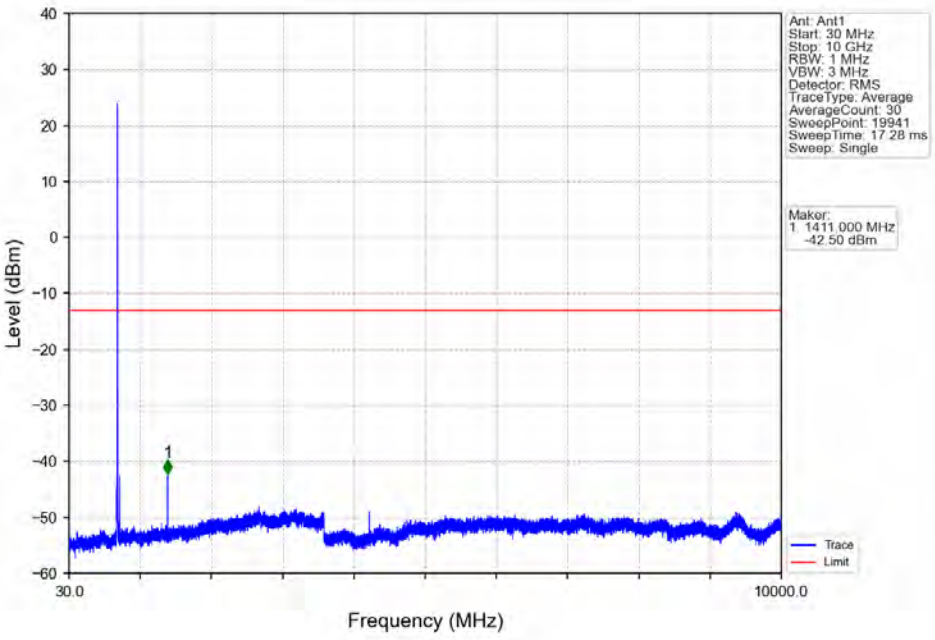


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

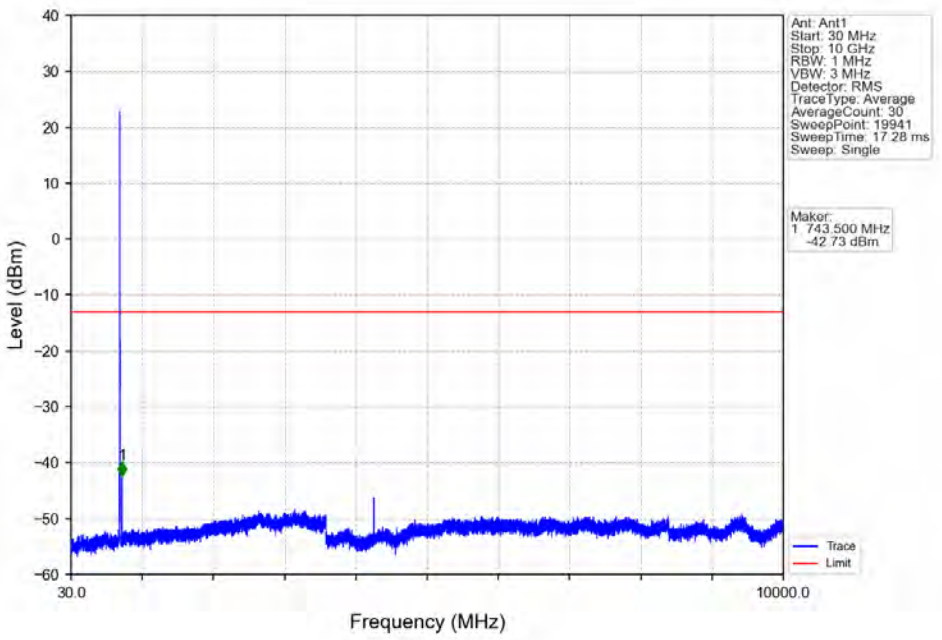


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	5.23	1	698.785	-28.98	-13	Pass
698.9	699	0.03	0	2	698.995	-32.19	-13	Pass
699	704	0.03	0	/	/	/	/	/

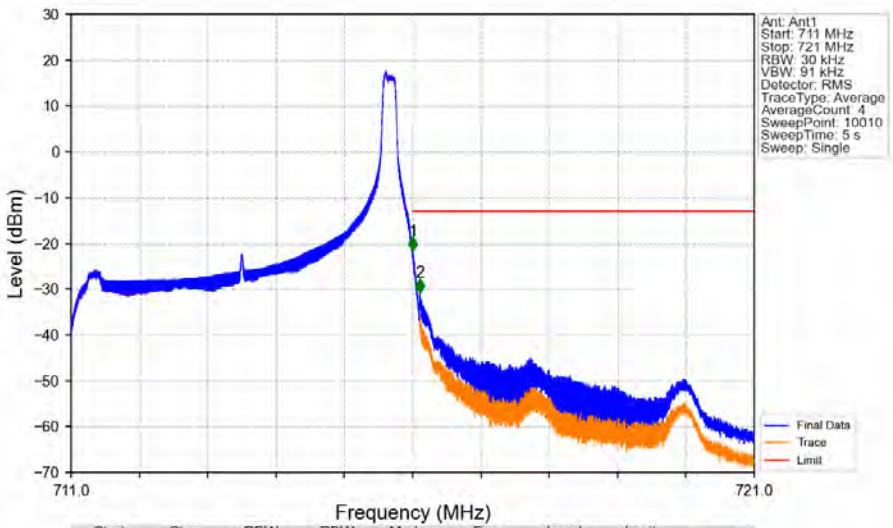
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

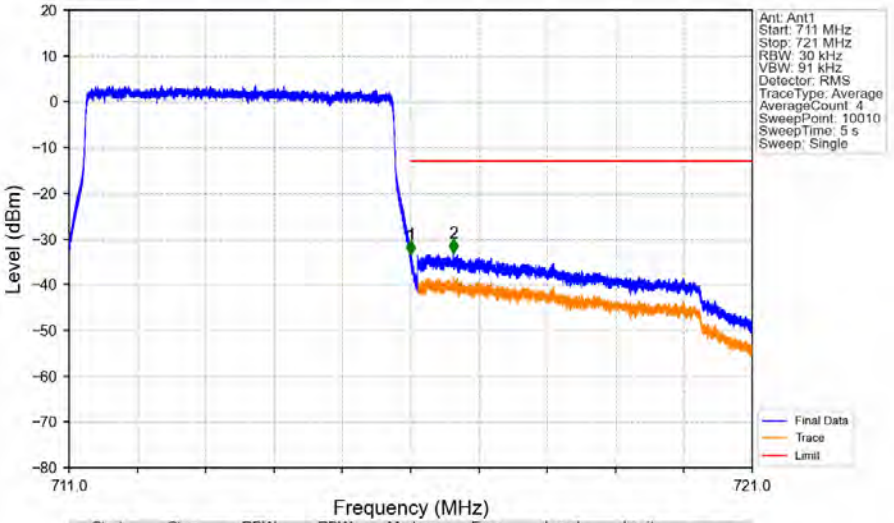


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



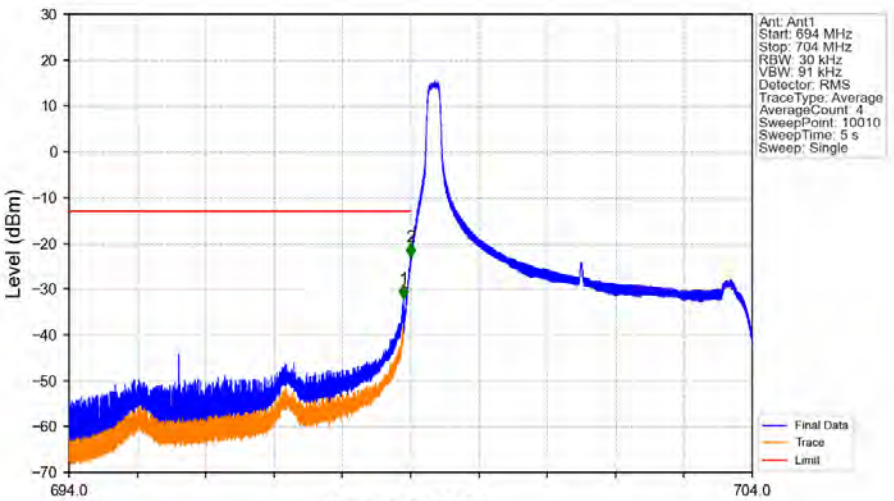
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.003	-21.62	-13	Pass
716.1	721	0.1	5.23	2	716.109	-30.77	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



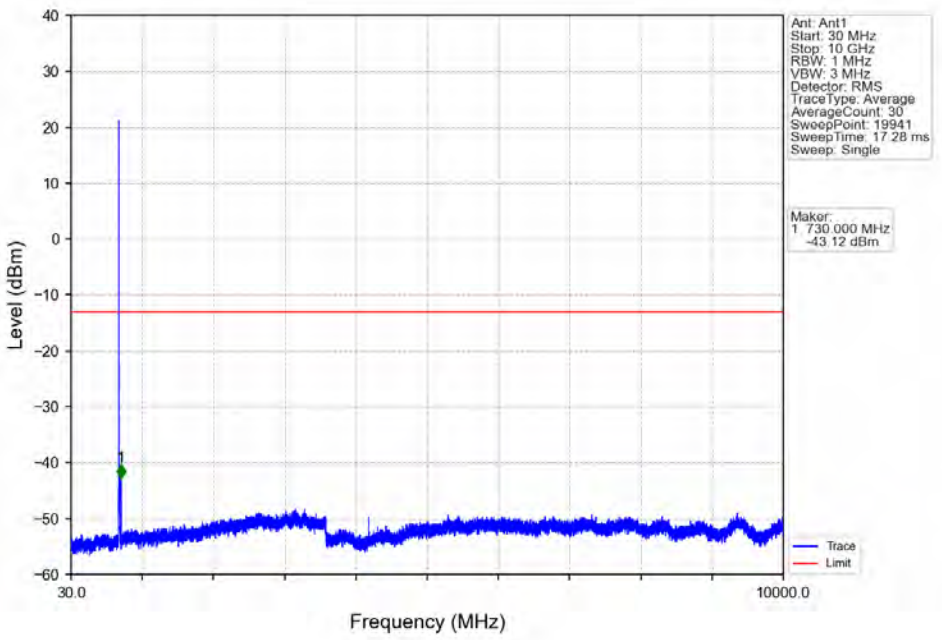
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.001	-33.40	-13	Pass
716.1	721	0.1	5.23	2	716.624	-33.10	-13	Pass

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

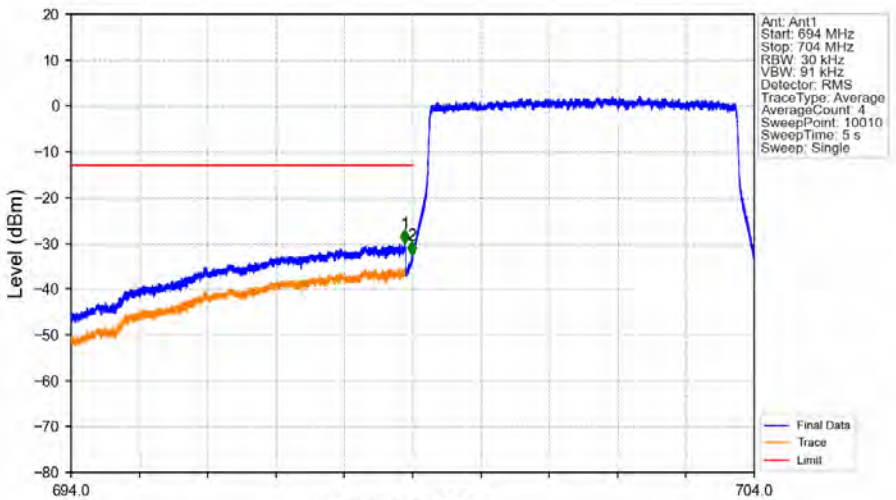


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	5.23	1	698.898	-32.12	-13	Pass
698.9	699	0.03	0	2	698.998	-23.02	-13	Pass
699	704	0.03	0	/	/	/	/	/

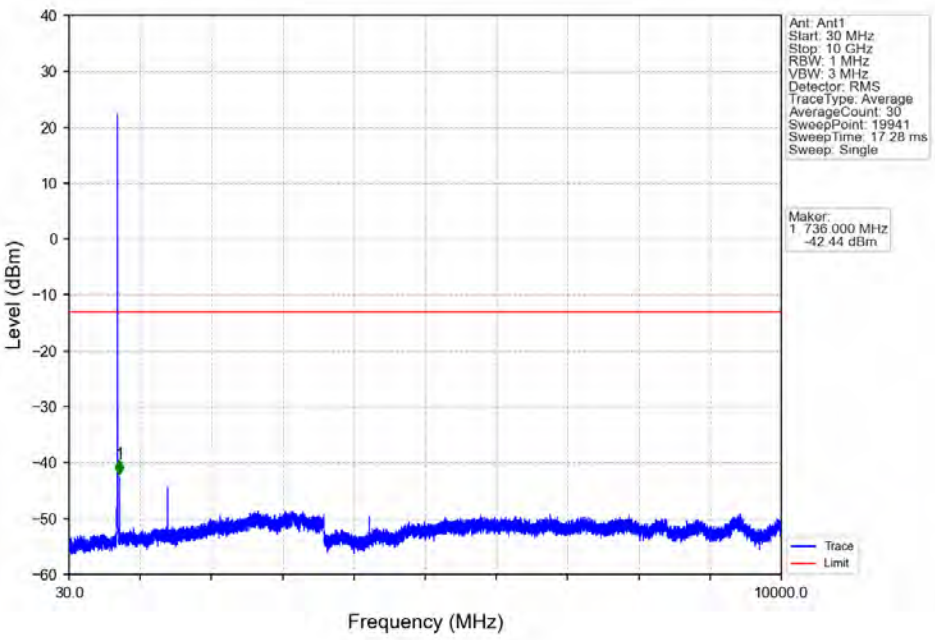
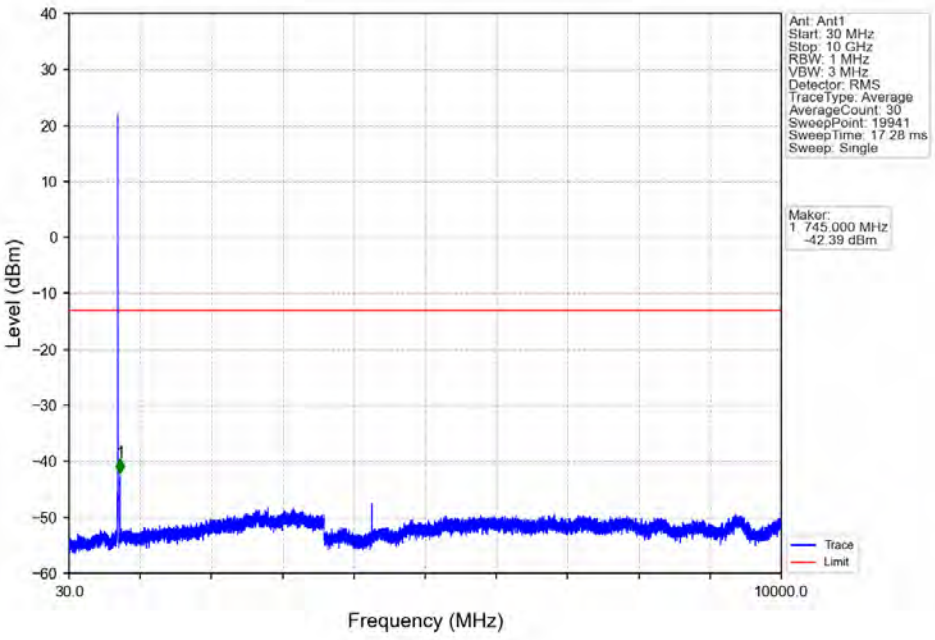
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



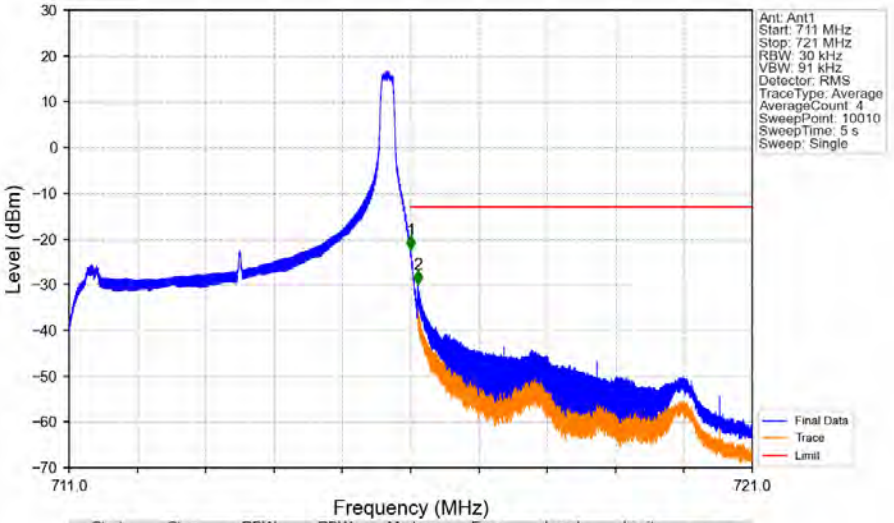
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	5.23	1	698.888	-30.17	-13	Pass
698.9	699	0.03	0	2	698.990	-32.56	-13	Pass
699	704	0.03	0	/	/	/	/	/

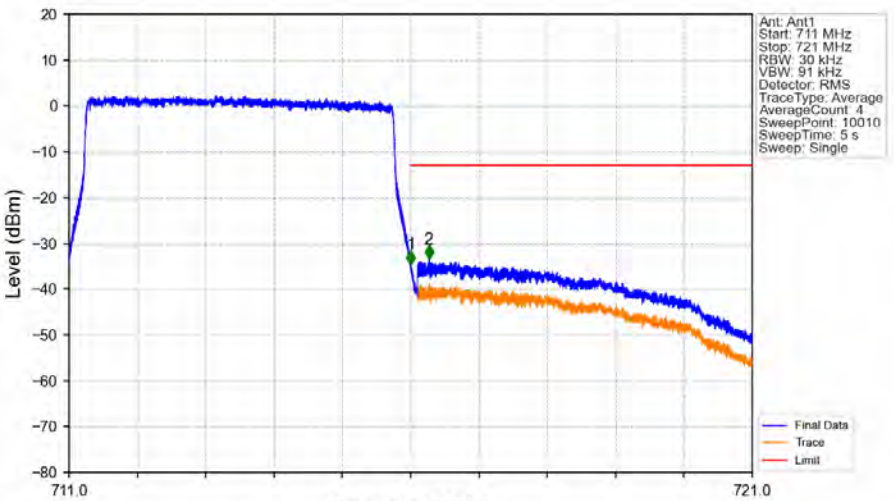
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

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)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.005	-22.33	-13	Pass
716.1	721	0.1	5.23	2	716.108	-29.94	-13	Pass

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.002	-34.61	-13	Pass
716.1	721	0.1	5.23	2	716.267	-33.48	-13	Pass

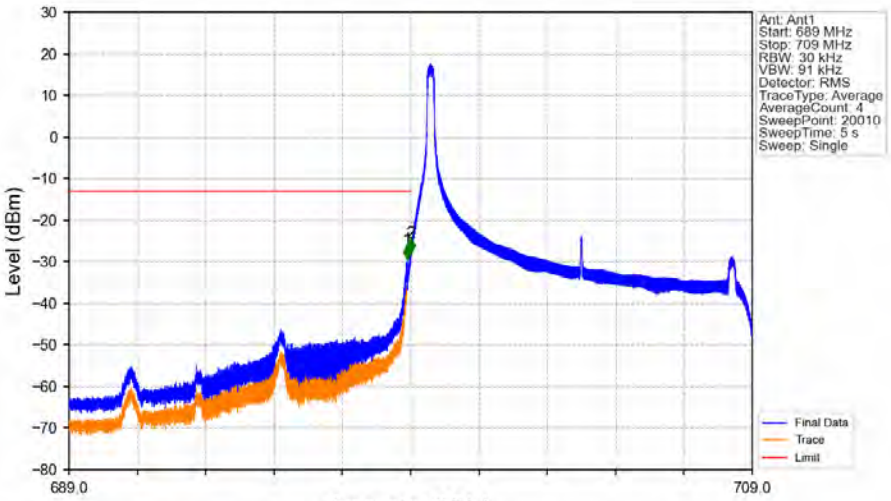
6.4 B12_10MHz

6.4.1 Test Result

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

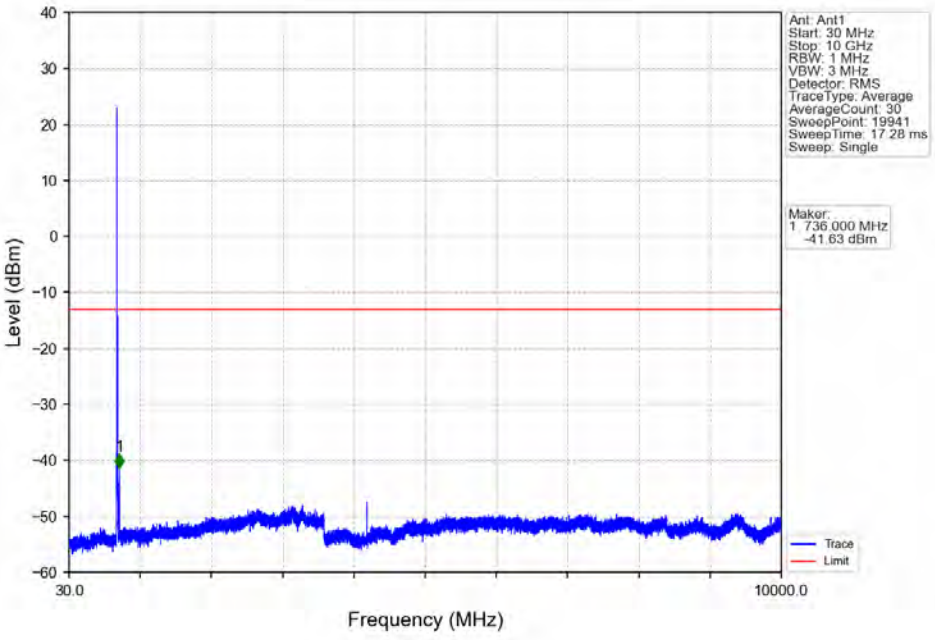
6.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

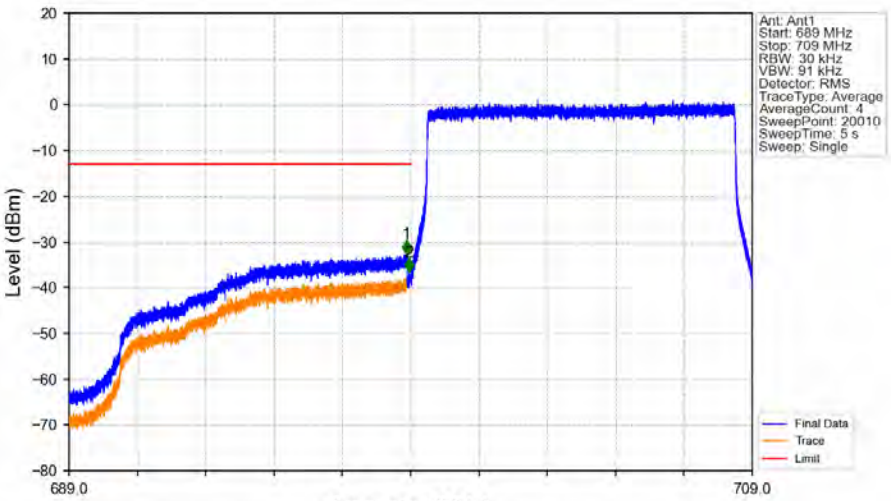


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	5.23	1	698.897	-29.42	-13	Pass
698.9	699	0.03	0	2	698.999	-27.88	-13	Pass
699	709	0.03	0	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

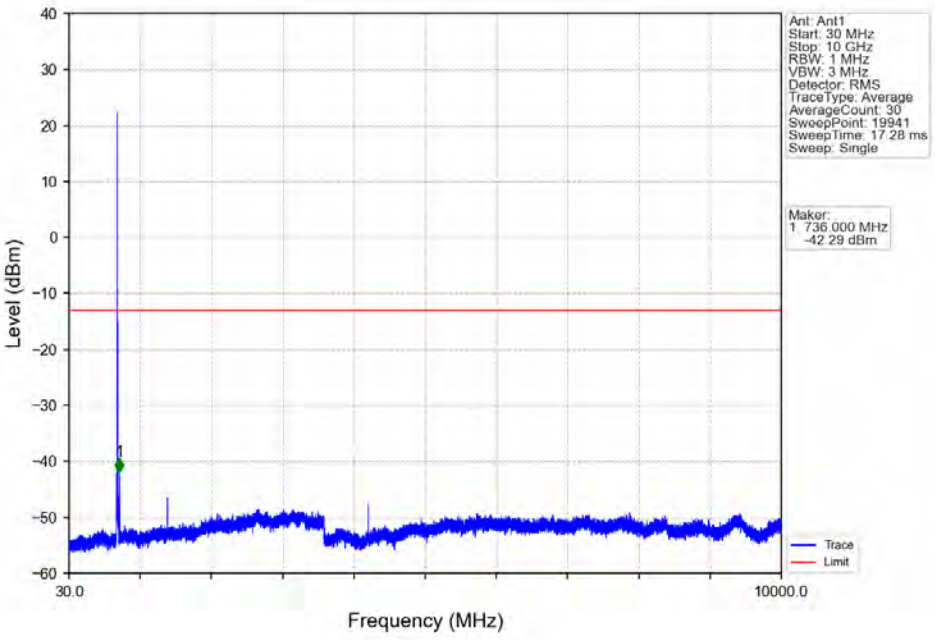


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

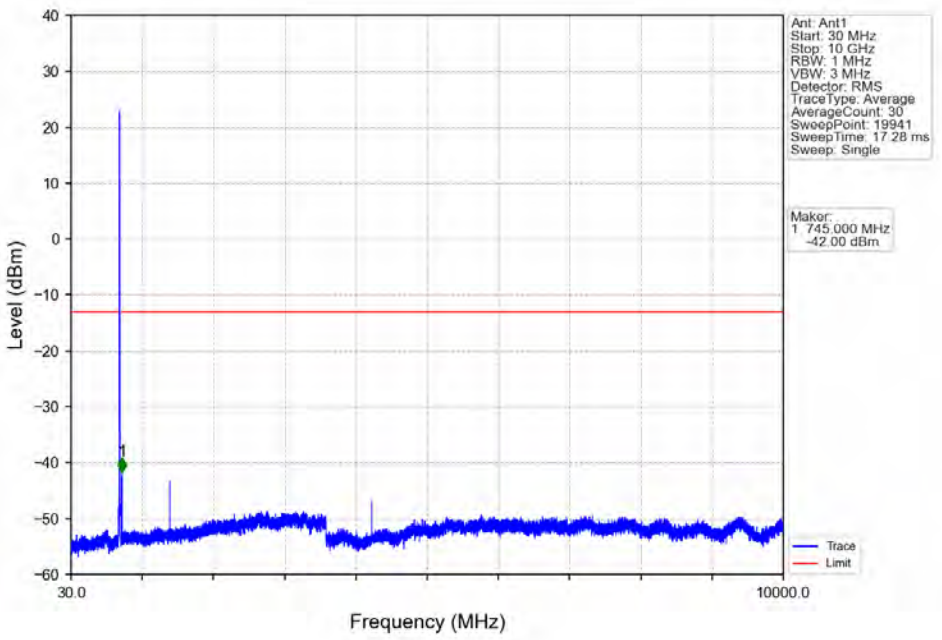


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	5.23	1	698.881	-32.67	-13	Pass
698.9	699	0.03	0	2	698.949	-36.62	-13	Pass
699	709	0.03	0	/	/	/	/	/

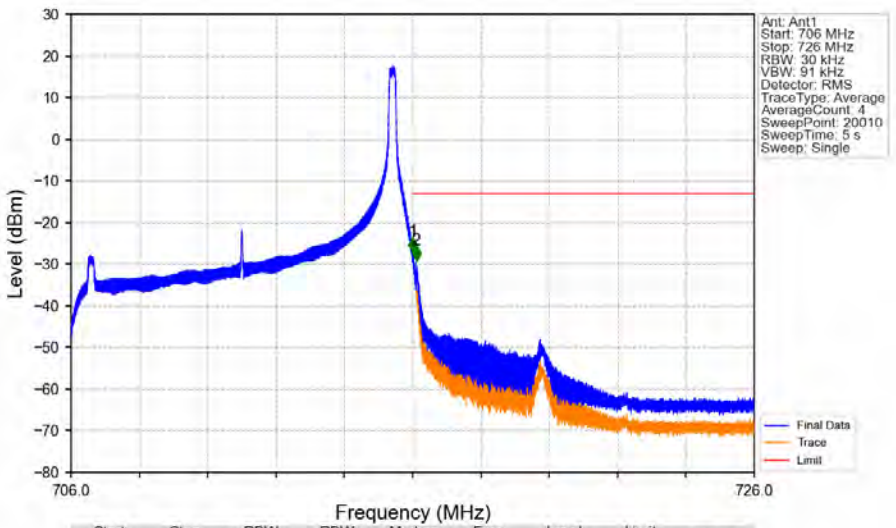
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

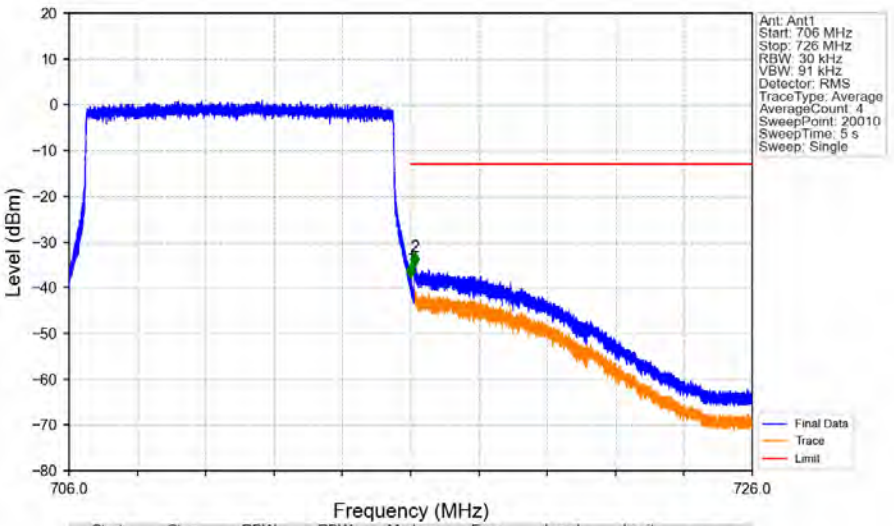


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



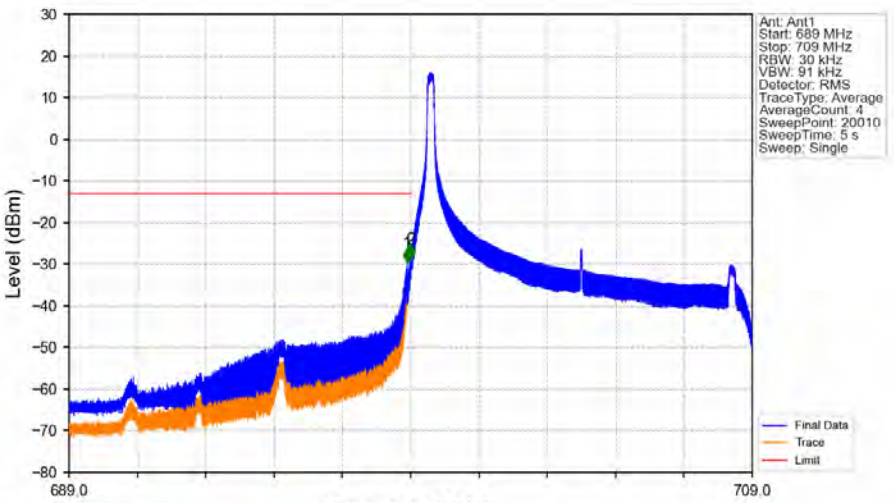
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.002	-26.94	-13	Pass
716.1	726	0.1	5.23	2	716.107	-29.09	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



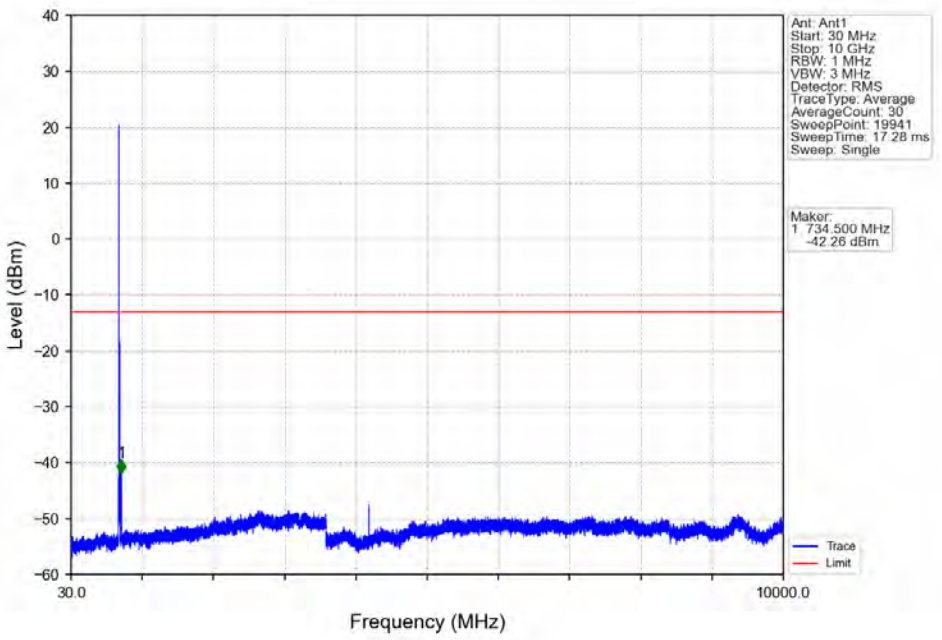
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.003	-37.88	-13	Pass
716.1	726	0.1	5.23	2	716.125	-35.41	-13	Pass

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

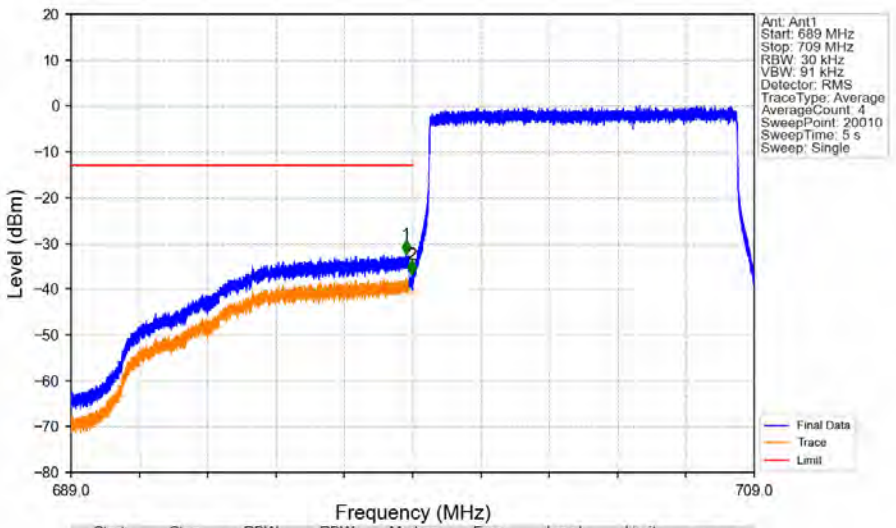


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	5.23	1	698.898	-29.52	-13	Pass
698.9	699	0.03	0	2	699.000	-28.79	-13	Pass
699	709	0.03	0	/	/	/	/	/

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

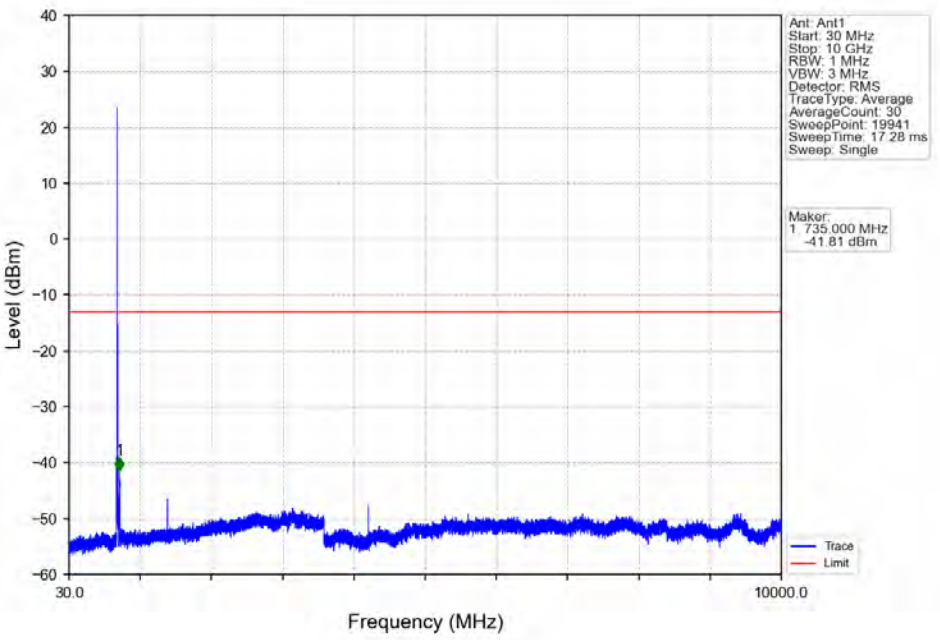


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

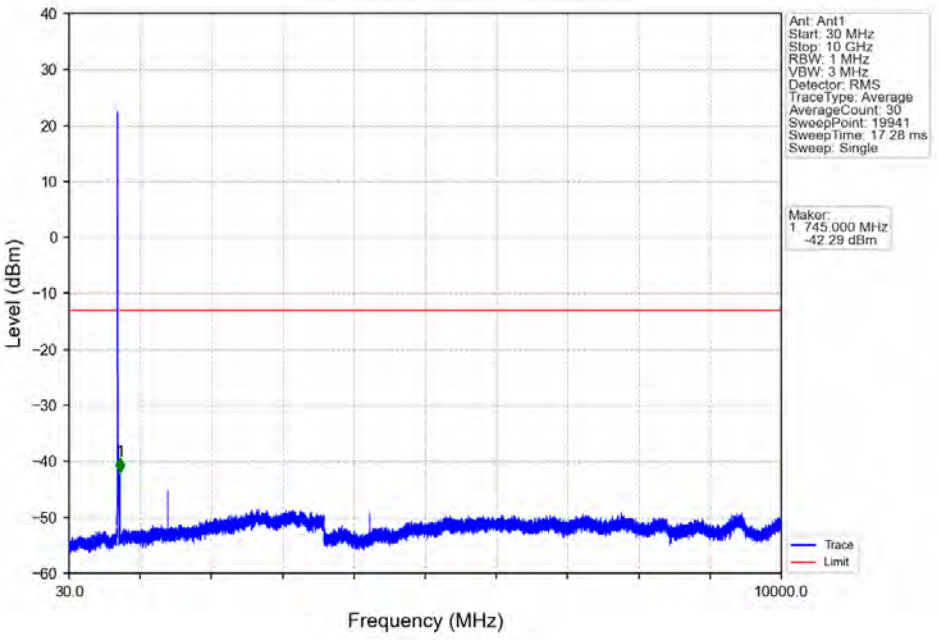


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	5.23	1	698.807	-32.42	-13	Pass
698.9	699	0.03	0	2	698.980	-36.84	-13	Pass
699	709	0.03	0	/	/	/	/	/

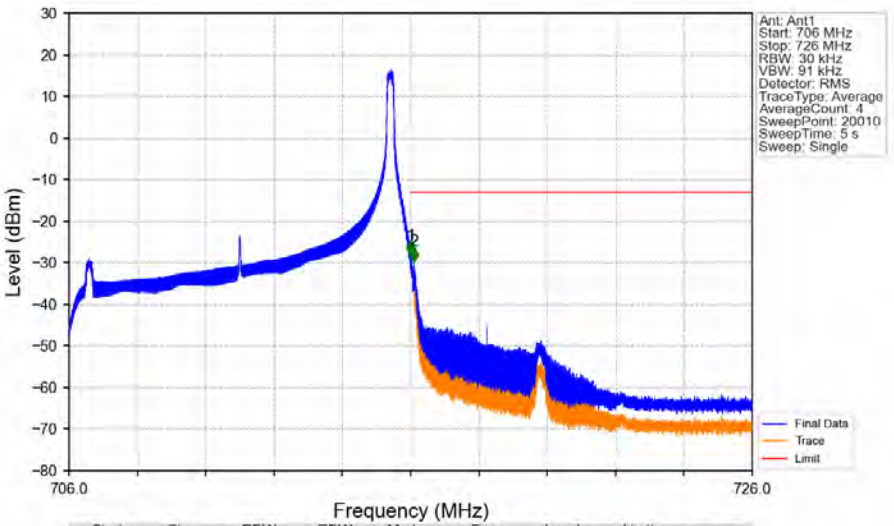
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

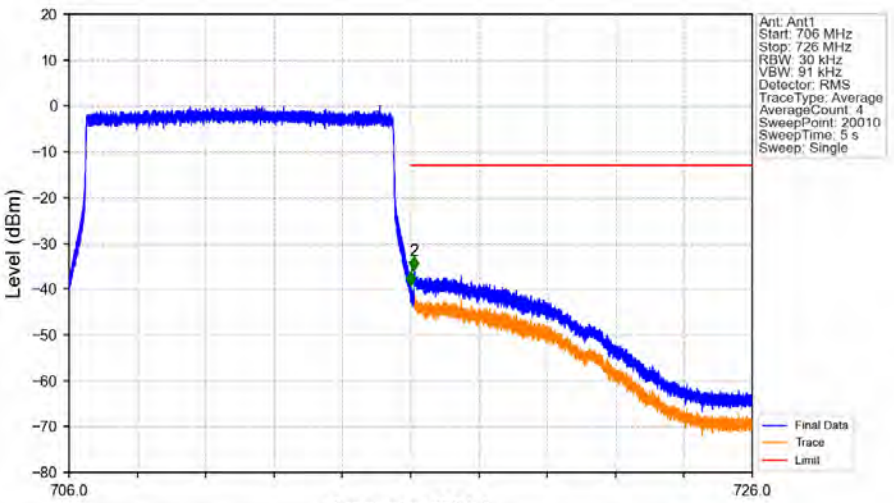


Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.007	-28.16	-13	Pass
716.1	726	0.1	5.23	2	716.102	-29.65	-13	Pass

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.007	-39.29	-13	Pass
716.1	726	0.1	5.23	2	716.105	-35.92	-13	Pass

7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.2649	0.0152	ppm	1M12G7D	27H	24.23
12	1.4	699.7	715.3	0.2000	0.0143	ppm	1M12W7D	27H	23.01
12	3	700.5	714.5	0.2661	0.0149	ppm	2M73G7D	27H	24.25
12	3	700.5	714.5	0.2254	0.0160	ppm	2M73W7D	27H	23.53
12	5	701.5	713.5	0.2512	0.0174	ppm	4M59G7D	27H	24.00
12	5	701.5	713.5	0.1995	0.0156	ppm	4M59W7D	27H	23.00
12	10	704	711	0.2582	0.0125	ppm	9M15G7D	27H	24.12
12	10	704	711	0.2239	0.0137	ppm	9M15W7D	27H	23.50

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	0.1729	0.0152	ppm	1M12G7D	27H	22.38
12	1.4	699.7	715.3	0.1306	0.0143	ppm	1M12W7D	27H	21.16
12	3	700.5	714.5	0.1737	0.0149	ppm	2M73G7D	27H	22.4
12	3	700.5	714.5	0.1472	0.0160	ppm	2M73W7D	27H	21.68
12	5	701.5	713.5	0.164	0.0174	ppm	4M59G7D	27H	22.15
12	5	701.5	713.5	0.1303	0.0156	ppm	4M59W7D	27H	21.15
12	10	704	711	0.1686	0.0125	ppm	9M15G7D	27H	22.27
12	10	704	711	0.1462	0.0137	ppm	9M15W7D	27H	21.65