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	23.66	-0.22	21.29	<=34.77	Pass
			2	23.61	-0.22	21.24	<=34.77	Pass
			5	23.64	-0.22	21.27	<=34.77	Pass
		3	0	23.75	-0.22	21.38	<=34.77	Pass
			2	23.80	-0.22	21.43	<=34.77	Pass
			3	23.70	-0.22	21.33	<=34.77	Pass
		6	0	22.73	-0.22	20.36	<=34.77	Pass
	707.5	1	0	23.44	-0.22	21.07	<=34.77	Pass
			2	23.76	-0.22	21.39	<=34.77	Pass
			5	23.77	-0.22	21.40	<=34.77	Pass
		3	0	23.83	-0.22	21.46	<=34.77	Pass
			2	23.74	-0.22	21.37	<=34.77	Pass
			3	23.77	-0.22	21.40	<=34.77	Pass
		6	0	22.76	-0.22	20.39	<=34.77	Pass
	715.3	1	0	23.91	-0.22	21.54	<=34.77	Pass
			2	23.83	-0.22	21.46	<=34.77	Pass
			5	23.90	-0.22	21.53	<=34.77	Pass
		3	0	23.83	-0.22	21.46	<=34.77	Pass
			2	23.87	-0.22	21.50	<=34.77	Pass
			3	23.75	-0.22	21.38	<=34.77	Pass
		6	0	22.81	-0.22	20.44	<=34.77	Pass
16QAM	699.7	1	0	22.81	-0.22	20.44	<=34.77	Pass
			2	23.11	-0.22	20.74	<=34.77	Pass
			5	22.83	-0.22	20.46	<=34.77	Pass
		3	0	22.66	-0.22	20.29	<=34.77	Pass
			2	22.92	-0.22	20.55	<=34.77	Pass
			3	22.90	-0.22	20.53	<=34.77	Pass
		6	0	21.66	-0.22	19.29	<=34.77	Pass
	707.5	1	0	23.23	-0.22	20.86	<=34.77	Pass
			2	23.53	-0.22	21.16	<=34.77	Pass
			5	23.32	-0.22	20.95	<=34.77	Pass
		3	0	22.75	-0.22	20.38	<=34.77	Pass
			2	22.97	-0.22	20.60	<=34.77	Pass
			3	22.82	-0.22	20.45	<=34.77	Pass
		6	0	21.84	-0.22	19.47	<=34.77	Pass
	715.3	1	0	22.91	-0.22	20.54	<=34.77	Pass
			2	22.96	-0.22	20.59	<=34.77	Pass
			5	23.00	-0.22	20.63	<=34.77	Pass
		3	0	22.97	-0.22	20.60	<=34.77	Pass
			2	23.06	-0.22	20.69	<=34.77	Pass
			3	22.95	-0.22	20.58	<=34.77	Pass
		6	0	21.80	-0.22	19.43	<=34.77	Pass
64QAM	699.7	1	0	22.05	-0.22	19.68	<=34.77	Pass
			2	22.14	-0.22	19.77	<=34.77	Pass
			5	21.98	-0.22	19.61	<=34.77	Pass
		3	0	21.86	-0.22	19.49	<=34.77	Pass
			2	21.84	-0.22	19.47	<=34.77	Pass

			3	21.83	-0.22	19.46	<=34.77	Pass
		6	0	20.82	-0.22	18.45	<=34.77	Pass
	707.5	1	0	21.49	-0.22	19.12	<=34.77	Pass
			2	21.90	-0.22	19.53	<=34.77	Pass
			5	21.43	-0.22	19.06	<=34.77	Pass
		3	0	21.97	-0.22	19.60	<=34.77	Pass
			2	22.14	-0.22	19.77	<=34.77	Pass
			3	22.19	-0.22	19.82	<=34.77	Pass
		6	0	20.87	-0.22	18.50	<=34.77	Pass
	715.3	1	0	21.88	-0.22	19.51	<=34.77	Pass
			2	21.89	-0.22	19.52	<=34.77	Pass
			5	21.93	-0.22	19.56	<=34.77	Pass
		3	0	21.99	-0.22	19.62	<=34.77	Pass
			2	22.19	-0.22	19.82	<=34.77	Pass
			3	22.32	-0.22	19.95	<=34.77	Pass
		6	0	21.03	-0.22	18.66	<=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	23.88	-0.22	21.51	<=34.77	Pass
			7	23.82	-0.22	21.45	<=34.77	Pass
			14	23.42	-0.22	21.05	<=34.77	Pass
		8	0	22.79	-0.22	20.42	<=34.77	Pass
			4	22.77	-0.22	20.40	<=34.77	Pass
			7	22.60	-0.22	20.23	<=34.77	Pass
		15	0	22.73	-0.22	20.36	<=34.77	Pass
	707.5	1	0	23.42	-0.22	21.05	<=34.77	Pass
			7	23.93	-0.22	21.56	<=34.77	Pass
			14	23.44	-0.22	21.07	<=34.77	Pass
		8	0	22.74	-0.22	20.37	<=34.77	Pass
			4	22.72	-0.22	20.35	<=34.77	Pass
			7	22.73	-0.22	20.36	<=34.77	Pass
		15	0	22.74	-0.22	20.37	<=34.77	Pass
	714.5	1	0	23.86	-0.22	21.49	<=34.77	Pass
			7	24.06	-0.22	21.69	<=34.77	Pass
			14	23.78	-0.22	21.41	<=34.77	Pass
		8	0	23.07	-0.22	20.70	<=34.77	Pass
			4	23.00	-0.22	20.63	<=34.77	Pass
			7	22.93	-0.22	20.56	<=34.77	Pass
		15	0	22.91	-0.22	20.54	<=34.77	Pass
16QAM	700.5	1	0	23.02	-0.22	20.65	<=34.77	Pass
			7	23.16	-0.22	20.79	<=34.77	Pass
			14	22.91	-0.22	20.54	<=34.77	Pass
		8	0	21.91	-0.22	19.54	<=34.77	Pass
			4	21.99	-0.22	19.62	<=34.77	Pass
			7	21.83	-0.22	19.46	<=34.77	Pass
		15	0	21.84	-0.22	19.47	<=34.77	Pass
	707.5	1	0	23.31	-0.22	20.94	<=34.77	Pass
			7	23.37	-0.22	21.00	<=34.77	Pass

			14	22.96	-0.22	20.59	<=34.77	Pass
		8	0	22.02	-0.22	19.65	<=34.77	Pass
			4	22.04	-0.22	19.67	<=34.77	Pass
			7	22.01	-0.22	19.64	<=34.77	Pass
		15	0	21.77	-0.22	19.40	<=34.77	Pass
	714.5	1	0	22.89	-0.22	20.52	<=34.77	Pass
			7	22.96	-0.22	20.59	<=34.77	Pass
			14	22.78	-0.22	20.41	<=34.77	Pass
		8	0	21.99	-0.22	19.62	<=34.77	Pass
			4	21.98	-0.22	19.61	<=34.77	Pass
			7	22.07	-0.22	19.70	<=34.77	Pass
		15	0	22.06	-0.22	19.69	<=34.77	Pass
64QAM	700.5	1	0	22.20	-0.22	19.83	<=34.77	Pass
			7	22.59	-0.22	20.22	<=34.77	Pass
			14	22.24	-0.22	19.87	<=34.77	Pass
		8	0	21.07	-0.22	18.70	<=34.77	Pass
			4	20.97	-0.22	18.60	<=34.77	Pass
			7	20.68	-0.22	18.31	<=34.77	Pass
		15	0	20.57	-0.22	18.20	<=34.77	Pass
	707.5	1	0	21.52	-0.22	19.15	<=34.77	Pass
			7	21.74	-0.22	19.37	<=34.77	Pass
			14	21.51	-0.22	19.14	<=34.77	Pass
		8	0	20.66	-0.22	18.29	<=34.77	Pass
			4	20.66	-0.22	18.29	<=34.77	Pass
			7	20.64	-0.22	18.27	<=34.77	Pass
		15	0	20.91	-0.22	18.54	<=34.77	Pass
	714.5	1	0	21.88	-0.22	19.51	<=34.77	Pass
			7	21.99	-0.22	19.62	<=34.77	Pass
			14	21.77	-0.22	19.40	<=34.77	Pass
		8	0	21.05	-0.22	18.68	<=34.77	Pass
			4	20.96	-0.22	18.59	<=34.77	Pass
			7	20.83	-0.22	18.46	<=34.77	Pass
		15	0	20.95	-0.22	18.58	<=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	23.42	-0.22	21.05	<=34.77	Pass
			13	23.61	-0.22	21.24	<=34.77	Pass
			24	23.40	-0.22	21.03	<=34.77	Pass
		12	0	22.73	-0.22	20.36	<=34.77	Pass
			6	22.65	-0.22	20.28	<=34.77	Pass
			13	22.59	-0.22	20.22	<=34.77	Pass
		25	0	22.58	-0.22	20.21	<=34.77	Pass
	707.5	1	0	23.45	-0.22	21.08	<=34.77	Pass
			13	23.64	-0.22	21.27	<=34.77	Pass
			24	23.24	-0.22	20.87	<=34.77	Pass
		12	0	22.77	-0.22	20.40	<=34.77	Pass
			6	22.83	-0.22	20.46	<=34.77	Pass
			13	22.78	-0.22	20.41	<=34.77	Pass

		25	0	22.77	-0.22	20.40	<=34.77	Pass
	713.5	1	0	23.33	-0.22	20.96	<=34.77	Pass
			13	23.88	-0.22	21.51	<=34.77	Pass
			24	23.95	-0.22	21.58	<=34.77	Pass
		12	0	22.79	-0.22	20.42	<=34.77	Pass
			6	22.91	-0.22	20.54	<=34.77	Pass
			13	22.74	-0.22	20.37	<=34.77	Pass
		25	0	22.88	-0.22	20.51	<=34.77	Pass
16QAM	701.5	1	0	22.09	-0.22	19.72	<=34.77	Pass
			13	22.49	-0.22	20.12	<=34.77	Pass
			24	21.99	-0.22	19.62	<=34.77	Pass
		12	0	21.82	-0.22	19.45	<=34.77	Pass
			6	21.67	-0.22	19.30	<=34.77	Pass
			13	21.68	-0.22	19.31	<=34.77	Pass
		25	0	21.69	-0.22	19.32	<=34.77	Pass
	707.5	1	0	22.97	-0.22	20.60	<=34.77	Pass
			13	23.36	-0.22	20.99	<=34.77	Pass
			24	23.03	-0.22	20.66	<=34.77	Pass
		12	0	21.75	-0.22	19.38	<=34.77	Pass
			6	21.76	-0.22	19.39	<=34.77	Pass
			13	21.69	-0.22	19.32	<=34.77	Pass
		25	0	21.73	-0.22	19.36	<=34.77	Pass
	713.5	1	0	22.63	-0.22	20.26	<=34.77	Pass
			13	22.93	-0.22	20.56	<=34.77	Pass
			24	22.60	-0.22	20.23	<=34.77	Pass
		12	0	21.88	-0.22	19.51	<=34.77	Pass
			6	22.01	-0.22	19.64	<=34.77	Pass
			13	21.80	-0.22	19.43	<=34.77	Pass
		25	0	21.95	-0.22	19.58	<=34.77	Pass
64QAM	701.5	1	0	21.82	-0.22	19.45	<=34.77	Pass
			13	21.77	-0.22	19.40	<=34.77	Pass
			24	21.48	-0.22	19.11	<=34.77	Pass
		12	0	20.68	-0.22	18.31	<=34.77	Pass
			6	20.67	-0.22	18.30	<=34.77	Pass
			13	20.56	-0.22	18.19	<=34.77	Pass
		25	0	20.75	-0.22	18.38	<=34.77	Pass
	707.5	1	0	21.76	-0.22	19.39	<=34.77	Pass
			13	22.02	-0.22	19.65	<=34.77	Pass
			24	21.66	-0.22	19.29	<=34.77	Pass
		12	0	20.96	-0.22	18.59	<=34.77	Pass
			6	21.04	-0.22	18.67	<=34.77	Pass
			13	21.00	-0.22	18.63	<=34.77	Pass
		25	0	20.84	-0.22	18.47	<=34.77	Pass
	713.5	1	0	21.33	-0.22	18.96	<=34.77	Pass
			13	21.56	-0.22	19.19	<=34.77	Pass
			24	21.29	-0.22	18.92	<=34.77	Pass
		12	0	20.80	-0.22	18.43	<=34.77	Pass
			6	20.86	-0.22	18.49	<=34.77	Pass
			13	20.70	-0.22	18.33	<=34.77	Pass
		25	0	20.82	-0.22	18.45	<=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	23.65	-0.22	21.28	<=34.77	Pass
			25	23.99	-0.22	21.62	<=34.77	Pass
			49	23.63	-0.22	21.26	<=34.77	Pass
		25	0	22.79	-0.22	20.42	<=34.77	Pass
			13	22.69	-0.22	20.32	<=34.77	Pass
			25	22.66	-0.22	20.29	<=34.77	Pass
		50	0	22.66	-0.22	20.29	<=34.77	Pass
	707.5	1	0	23.39	-0.22	21.02	<=34.77	Pass
			25	23.81	-0.22	21.44	<=34.77	Pass
			49	23.63	-0.22	21.26	<=34.77	Pass
		25	0	22.68	-0.22	20.31	<=34.77	Pass
			13	22.76	-0.22	20.39	<=34.77	Pass
			25	22.72	-0.22	20.35	<=34.77	Pass
		50	0	22.77	-0.22	20.40	<=34.77	Pass
	711	1	0	23.68	-0.22	21.31	<=34.77	Pass
			25	24.05	-0.22	21.68	<=34.77	Pass
			49	23.89	-0.22	21.52	<=34.77	Pass
		25	0	22.82	-0.22	20.45	<=34.77	Pass
			13	22.88	-0.22	20.51	<=34.77	Pass
			25	22.83	-0.22	20.46	<=34.77	Pass
		50	0	22.79	-0.22	20.42	<=34.77	Pass
16QAM	704	1	0	23.05	-0.22	20.68	<=34.77	Pass
			25	23.56	-0.22	21.19	<=34.77	Pass
			49	22.57	-0.22	20.20	<=34.77	Pass
		25	0	21.85	-0.22	19.48	<=34.77	Pass
			13	21.78	-0.22	19.41	<=34.77	Pass
			25	21.67	-0.22	19.30	<=34.77	Pass
		50	0	21.71	-0.22	19.34	<=34.77	Pass
	707.5	1	0	22.37	-0.22	20.00	<=34.77	Pass
			25	23.21	-0.22	20.84	<=34.77	Pass
			49	23.25	-0.22	20.88	<=34.77	Pass
		25	0	21.85	-0.22	19.48	<=34.77	Pass
			13	21.91	-0.22	19.54	<=34.77	Pass
			25	21.91	-0.22	19.54	<=34.77	Pass
		50	0	21.83	-0.22	19.46	<=34.77	Pass
	711	1	0	22.77	-0.22	20.40	<=34.77	Pass
			25	23.08	-0.22	20.71	<=34.77	Pass
			49	22.42	-0.22	20.05	<=34.77	Pass
		25	0	21.91	-0.22	19.54	<=34.77	Pass
			13	22.06	-0.22	19.69	<=34.77	Pass
			25	21.97	-0.22	19.60	<=34.77	Pass
		50	0	21.88	-0.22	19.51	<=34.77	Pass
64QAM	704	1	0	21.76	-0.22	19.39	<=34.77	Pass
			25	22.48	-0.22	20.11	<=34.77	Pass
			49	22.30	-0.22	19.93	<=34.77	Pass
		25	0	21.00	-0.22	18.63	<=34.77	Pass
			13	21.02	-0.22	18.65	<=34.77	Pass
			25	20.71	-0.22	18.34	<=34.77	Pass
		50	0	20.69	-0.22	18.32	<=34.77	Pass
	707.5	1	0	21.33	-0.22	18.96	<=34.77	Pass
			25	22.00	-0.22	19.63	<=34.77	Pass
			49	21.57	-0.22	19.20	<=34.77	Pass
		25	0	20.71	-0.22	18.34	<=34.77	Pass
			13	20.71	-0.22	18.34	<=34.77	Pass
			25	20.77	-0.22	18.40	<=34.77	Pass

		50	0	20.66	-0.22	18.29	<=34.77	Pass
	711	1	0	21.71	-0.22	19.34	<=34.77	Pass
			25	21.91	-0.22	19.54	<=34.77	Pass
			49	21.58	-0.22	19.21	<=34.77	Pass
		25	0	20.83	-0.22	18.46	<=34.77	Pass
			13	20.88	-0.22	18.51	<=34.77	Pass
			25	20.94	-0.22	18.57	<=34.77	Pass
		50	0	20.80	-0.22	18.43	<=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	6.12	12.846	0.0184	-2.5 to 2.5	Pass
					7.20	16.365	0.0234	-2.5 to 2.5	Pass
					8.28	14.033	0.0201	-2.5 to 2.5	Pass
				-30	7.20	9.727	0.0139	-2.5 to 2.5	Pass
				-20	7.20	7.024	0.0100	-2.5 to 2.5	Pass
				-10	7.20	3.033	0.0043	-2.5 to 2.5	Pass
				0	7.20	1.574	0.0022	-2.5 to 2.5	Pass
				10	7.20	0.515	0.0007	-2.5 to 2.5	Pass
				30	7.20	0.114	0.0002	-2.5 to 2.5	Pass
				40	7.20	-0.200	-0.0003	-2.5 to 2.5	Pass
				50	7.20	-0.072	-0.0001	-2.5 to 2.5	Pass
	707.5	6	0	20	6.12	-7.653	-0.0108	-2.5 to 2.5	Pass
					7.20	-5.465	-0.0077	-2.5 to 2.5	Pass
					8.28	-4.706	-0.0067	-2.5 to 2.5	Pass
				-30	7.20	-2.961	-0.0042	-2.5 to 2.5	Pass
				-20	7.20	-2.060	-0.0029	-2.5 to 2.5	Pass
				-10	7.20	-2.217	-0.0031	-2.5 to 2.5	Pass
				0	7.20	-1.960	-0.0028	-2.5 to 2.5	Pass
				10	7.20	-0.815	-0.0012	-2.5 to 2.5	Pass
				30	7.20	-1.144	-0.0016	-2.5 to 2.5	Pass
				40	7.20	-0.873	-0.0012	-2.5 to 2.5	Pass
				50	7.20	-1.173	-0.0017	-2.5 to 2.5	Pass
	715.3	6	0	20	6.12	-10.228	-0.0143	-2.5 to 2.5	Pass
					7.20	-7.567	-0.0106	-2.5 to 2.5	Pass
					8.28	-5.980	-0.0084	-2.5 to 2.5	Pass
				-30	7.20	-3.834	-0.0054	-2.5 to 2.5	Pass
				-20	7.20	-3.519	-0.0049	-2.5 to 2.5	Pass
				-10	7.20	-1.917	-0.0027	-2.5 to 2.5	Pass
				0	7.20	-1.674	-0.0023	-2.5 to 2.5	Pass
				10	7.20	-1.302	-0.0018	-2.5 to 2.5	Pass
				30	7.20	-1.416	-0.0020	-2.5 to 2.5	Pass
				40	7.20	-1.173	-0.0016	-2.5 to 2.5	Pass
				50	7.20	-1.130	-0.0016	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	6.12	-1.059	-0.0015	-2.5 to 2.5	Pass
					7.20	-1.130	-0.0016	-2.5 to 2.5	Pass
					8.28	-1.116	-0.0016	-2.5 to 2.5	Pass

				-30	7.20	-1.631	-0.0023	-2.5 to 2.5	Pass
				-20	7.20	-0.515	-0.0007	-2.5 to 2.5	Pass
				-10	7.20	-1.030	-0.0015	-2.5 to 2.5	Pass
				0	7.20	-1.044	-0.0015	-2.5 to 2.5	Pass
				10	7.20	-1.216	-0.0017	-2.5 to 2.5	Pass
				30	7.20	-1.431	-0.0020	-2.5 to 2.5	Pass
				40	7.20	-0.987	-0.0014	-2.5 to 2.5	Pass
				50	7.20	-1.416	-0.0020	-2.5 to 2.5	Pass
	707.5	6	0	20	6.12	-0.658	-0.0009	-2.5 to 2.5	Pass
					7.20	-1.445	-0.0020	-2.5 to 2.5	Pass
					8.28	-1.101	-0.0016	-2.5 to 2.5	Pass
				-30	7.20	-1.302	-0.0018	-2.5 to 2.5	Pass
				-20	7.20	0.157	0.0002	-2.5 to 2.5	Pass
				-10	7.20	-0.587	-0.0008	-2.5 to 2.5	Pass
				0	7.20	-0.744	-0.0011	-2.5 to 2.5	Pass
				10	7.20	-1.202	-0.0017	-2.5 to 2.5	Pass
				30	7.20	-0.758	-0.0011	-2.5 to 2.5	Pass
				40	7.20	-0.758	-0.0011	-2.5 to 2.5	Pass
				50	7.20	-0.429	-0.0006	-2.5 to 2.5	Pass
	715.3	6	0	20	6.12	-1.345	-0.0019	-2.5 to 2.5	Pass
					7.20	-1.216	-0.0017	-2.5 to 2.5	Pass
					8.28	-0.572	-0.0008	-2.5 to 2.5	Pass
				-30	7.20	-0.443	-0.0006	-2.5 to 2.5	Pass
				-20	7.20	-0.730	-0.0010	-2.5 to 2.5	Pass
				-10	7.20	-0.572	-0.0008	-2.5 to 2.5	Pass
				0	7.20	-1.459	-0.0020	-2.5 to 2.5	Pass
				10	7.20	-1.631	-0.0023	-2.5 to 2.5	Pass
				30	7.20	-0.815	-0.0011	-2.5 to 2.5	Pass
				40	7.20	0.100	0.0001	-2.5 to 2.5	Pass
				50	7.20	-0.515	-0.0007	-2.5 to 2.5	Pass
64QAM	699.7	6	0	20	6.12	-2.646	-0.0038	-2.5 to 2.5	Pass
					7.20	-1.230	-0.0018	-2.5 to 2.5	Pass
					8.28	-1.159	-0.0017	-2.5 to 2.5	Pass
				-30	7.20	-1.717	-0.0025	-2.5 to 2.5	Pass
				-20	7.20	-0.958	-0.0014	-2.5 to 2.5	Pass
				-10	7.20	-1.316	-0.0019	-2.5 to 2.5	Pass
				0	7.20	-1.516	-0.0022	-2.5 to 2.5	Pass
				10	7.20	-1.359	-0.0019	-2.5 to 2.5	Pass
				30	7.20	-1.616	-0.0023	-2.5 to 2.5	Pass
				40	7.20	-1.330	-0.0019	-2.5 to 2.5	Pass
				50	7.20	-0.229	-0.0003	-2.5 to 2.5	Pass
	707.5	6	0	20	6.12	-0.916	-0.0013	-2.5 to 2.5	Pass
					7.20	-0.229	-0.0003	-2.5 to 2.5	Pass
					8.28	-0.944	-0.0013	-2.5 to 2.5	Pass
				-30	7.20	-1.230	-0.0017	-2.5 to 2.5	Pass
				-20	7.20	-1.173	-0.0017	-2.5 to 2.5	Pass
				-10	7.20	-0.916	-0.0013	-2.5 to 2.5	Pass
				0	7.20	-1.359	-0.0019	-2.5 to 2.5	Pass
				10	7.20	-1.717	-0.0024	-2.5 to 2.5	Pass
				30	7.20	-1.101	-0.0016	-2.5 to 2.5	Pass
				40	7.20	-1.431	-0.0020	-2.5 to 2.5	Pass
				50	7.20	-1.044	-0.0015	-2.5 to 2.5	Pass
	715.3	6	0	20	6.12	0.100	0.0001	-2.5 to 2.5	Pass
					7.20	0.086	0.0001	-2.5 to 2.5	Pass
					8.28	-0.272	-0.0004	-2.5 to 2.5	Pass
				-30	7.20	-0.486	-0.0007	-2.5 to 2.5	Pass
				-20	7.20	-0.987	-0.0014	-2.5 to 2.5	Pass
				-10	7.20	-0.372	-0.0005	-2.5 to 2.5	Pass

				0	7.20	-0.200	-0.0003	-2.5 to 2.5	Pass
				10	7.20	-0.315	-0.0004	-2.5 to 2.5	Pass
				30	7.20	-0.515	-0.0007	-2.5 to 2.5	Pass
				40	7.20	-0.758	-0.0011	-2.5 to 2.5	Pass
				50	7.20	-0.086	-0.0001	-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	6.12	1.588	0.0023	-2.5 to 2.5	Pass
					7.20	1.502	0.0021	-2.5 to 2.5	Pass
					8.28	0.916	0.0013	-2.5 to 2.5	Pass
				-30	7.20	0.987	0.0014	-2.5 to 2.5	Pass
				-20	7.20	0.930	0.0013	-2.5 to 2.5	Pass
				-10	7.20	0.801	0.0011	-2.5 to 2.5	Pass
				0	7.20	1.001	0.0014	-2.5 to 2.5	Pass
				10	7.20	0.386	0.0006	-2.5 to 2.5	Pass
				30	7.20	0.257	0.0004	-2.5 to 2.5	Pass
				40	7.20	0.000	0.0000	-2.5 to 2.5	Pass
				50	7.20	0.286	0.0004	-2.5 to 2.5	Pass
	707.5	15	0	20	6.12	1.545	0.0022	-2.5 to 2.5	Pass
					7.20	1.616	0.0023	-2.5 to 2.5	Pass
					8.28	0.343	0.0005	-2.5 to 2.5	Pass
				-30	7.20	0.515	0.0007	-2.5 to 2.5	Pass
				-20	7.20	1.216	0.0017	-2.5 to 2.5	Pass
				-10	7.20	0.558	0.0008	-2.5 to 2.5	Pass
				0	7.20	0.629	0.0009	-2.5 to 2.5	Pass
				10	7.20	0.272	0.0004	-2.5 to 2.5	Pass
				30	7.20	0.687	0.0010	-2.5 to 2.5	Pass
				40	7.20	1.287	0.0018	-2.5 to 2.5	Pass
				50	7.20	0.472	0.0007	-2.5 to 2.5	Pass
	714.5	15	0	20	6.12	2.460	0.0034	-2.5 to 2.5	Pass
					7.20	1.488	0.0021	-2.5 to 2.5	Pass
					8.28	2.475	0.0035	-2.5 to 2.5	Pass
				-30	7.20	2.174	0.0030	-2.5 to 2.5	Pass
				-20	7.20	1.903	0.0027	-2.5 to 2.5	Pass
				-10	7.20	1.988	0.0028	-2.5 to 2.5	Pass
				0	7.20	1.645	0.0023	-2.5 to 2.5	Pass
				10	7.20	1.960	0.0027	-2.5 to 2.5	Pass
				30	7.20	2.203	0.0031	-2.5 to 2.5	Pass
				40	7.20	1.330	0.0019	-2.5 to 2.5	Pass
				50	7.20	1.574	0.0022	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	6.12	0.343	0.0005	-2.5 to 2.5	Pass
					7.20	0.787	0.0011	-2.5 to 2.5	Pass
					8.28	0.129	0.0002	-2.5 to 2.5	Pass
				-30	7.20	0.315	0.0004	-2.5 to 2.5	Pass
				-20	7.20	0.286	0.0004	-2.5 to 2.5	Pass
				-10	7.20	-0.701	-0.0010	-2.5 to 2.5	Pass
				0	7.20	-0.286	-0.0004	-2.5 to 2.5	Pass
				10	7.20	-0.129	-0.0002	-2.5 to 2.5	Pass
				30	7.20	-0.558	-0.0008	-2.5 to 2.5	Pass

				40	7.20	-0.501	-0.0007	-2.5 to 2.5	Pass
				50	7.20	-0.844	-0.0012	-2.5 to 2.5	Pass
	707.5	15	0	20	6.12	1.674	0.0024	-2.5 to 2.5	Pass
					7.20	1.245	0.0018	-2.5 to 2.5	Pass
					8.28	0.801	0.0011	-2.5 to 2.5	Pass
				-30	7.20	1.817	0.0026	-2.5 to 2.5	Pass
				-20	7.20	1.760	0.0025	-2.5 to 2.5	Pass
				-10	7.20	1.788	0.0025	-2.5 to 2.5	Pass
				0	7.20	1.531	0.0022	-2.5 to 2.5	Pass
				10	7.20	2.074	0.0029	-2.5 to 2.5	Pass
				30	7.20	1.545	0.0022	-2.5 to 2.5	Pass
				40	7.20	1.388	0.0020	-2.5 to 2.5	Pass
				50	7.20	1.373	0.0019	-2.5 to 2.5	Pass
	714.5	15	0	20	6.12	0.572	0.0008	-2.5 to 2.5	Pass
					7.20	1.030	0.0014	-2.5 to 2.5	Pass
					8.28	0.958	0.0013	-2.5 to 2.5	Pass
				-30	7.20	1.488	0.0021	-2.5 to 2.5	Pass
				-20	7.20	0.529	0.0007	-2.5 to 2.5	Pass
				-10	7.20	0.930	0.0013	-2.5 to 2.5	Pass
				0	7.20	1.388	0.0019	-2.5 to 2.5	Pass
				10	7.20	1.402	0.0020	-2.5 to 2.5	Pass
				30	7.20	2.561	0.0036	-2.5 to 2.5	Pass
				40	7.20	2.275	0.0032	-2.5 to 2.5	Pass
				50	7.20	2.375	0.0033	-2.5 to 2.5	Pass
64QAM	700.5	15	0	20	6.12	-0.958	-0.0014	-2.5 to 2.5	Pass
					7.20	-0.515	-0.0007	-2.5 to 2.5	Pass
					8.28	-0.229	-0.0003	-2.5 to 2.5	Pass
				-30	7.20	0.243	0.0003	-2.5 to 2.5	Pass
				-20	7.20	-0.672	-0.0010	-2.5 to 2.5	Pass
				-10	7.20	-0.873	-0.0012	-2.5 to 2.5	Pass
				0	7.20	-0.458	-0.0007	-2.5 to 2.5	Pass
				10	7.20	0.200	0.0003	-2.5 to 2.5	Pass
				30	7.20	0.358	0.0005	-2.5 to 2.5	Pass
				40	7.20	-0.157	-0.0002	-2.5 to 2.5	Pass
				50	7.20	0.043	0.0001	-2.5 to 2.5	Pass
	707.5	15	0	20	6.12	1.631	0.0023	-2.5 to 2.5	Pass
					7.20	1.559	0.0022	-2.5 to 2.5	Pass
					8.28	0.844	0.0012	-2.5 to 2.5	Pass
				-30	7.20	2.747	0.0039	-2.5 to 2.5	Pass
				-20	7.20	2.403	0.0034	-2.5 to 2.5	Pass
				-10	7.20	1.745	0.0025	-2.5 to 2.5	Pass
				0	7.20	2.103	0.0030	-2.5 to 2.5	Pass
				10	7.20	3.047	0.0043	-2.5 to 2.5	Pass
				30	7.20	2.418	0.0034	-2.5 to 2.5	Pass
				40	7.20	2.432	0.0034	-2.5 to 2.5	Pass
				50	7.20	2.146	0.0030	-2.5 to 2.5	Pass
	714.5	15	0	20	6.12	3.576	0.0050	-2.5 to 2.5	Pass
					7.20	2.918	0.0041	-2.5 to 2.5	Pass
					8.28	3.290	0.0046	-2.5 to 2.5	Pass
				-30	7.20	3.047	0.0043	-2.5 to 2.5	Pass
				-20	7.20	3.190	0.0045	-2.5 to 2.5	Pass
				-10	7.20	3.204	0.0045	-2.5 to 2.5	Pass
				0	7.20	3.147	0.0044	-2.5 to 2.5	Pass
				10	7.20	3.347	0.0047	-2.5 to 2.5	Pass
				30	7.20	2.718	0.0038	-2.5 to 2.5	Pass
				40	7.20	2.246	0.0031	-2.5 to 2.5	Pass
				50	7.20	1.631	0.0023	-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	6.12	0.958	0.0014	-2.5 to 2.5	Pass
					7.20	0.486	0.0007	-2.5 to 2.5	Pass
					8.28	1.259	0.0018	-2.5 to 2.5	Pass
				-30	7.20	1.001	0.0014	-2.5 to 2.5	Pass
				-20	7.20	0.486	0.0007	-2.5 to 2.5	Pass
				-10	7.20	0.486	0.0007	-2.5 to 2.5	Pass
				0	7.20	0.100	0.0001	-2.5 to 2.5	Pass
				10	7.20	0.000	0.0000	-2.5 to 2.5	Pass
				30	7.20	1.044	0.0015	-2.5 to 2.5	Pass
				40	7.20	0.830	0.0012	-2.5 to 2.5	Pass
				50	7.20	1.016	0.0014	-2.5 to 2.5	Pass
	707.5	25	0	20	6.12	1.187	0.0017	-2.5 to 2.5	Pass
					7.20	1.302	0.0018	-2.5 to 2.5	Pass
					8.28	0.844	0.0012	-2.5 to 2.5	Pass
				-30	7.20	1.345	0.0019	-2.5 to 2.5	Pass
				-20	7.20	1.388	0.0020	-2.5 to 2.5	Pass
				-10	7.20	2.632	0.0037	-2.5 to 2.5	Pass
				0	7.20	2.046	0.0029	-2.5 to 2.5	Pass
				10	7.20	2.847	0.0040	-2.5 to 2.5	Pass
				30	7.20	2.718	0.0038	-2.5 to 2.5	Pass
				40	7.20	3.104	0.0044	-2.5 to 2.5	Pass
				50	7.20	3.219	0.0045	-2.5 to 2.5	Pass
	713.5	25	0	20	6.12	1.302	0.0018	-2.5 to 2.5	Pass
					7.20	0.572	0.0008	-2.5 to 2.5	Pass
					8.28	1.116	0.0016	-2.5 to 2.5	Pass
				-30	7.20	0.858	0.0012	-2.5 to 2.5	Pass
				-20	7.20	0.529	0.0007	-2.5 to 2.5	Pass
				-10	7.20	0.987	0.0014	-2.5 to 2.5	Pass
				0	7.20	0.930	0.0013	-2.5 to 2.5	Pass
				10	7.20	0.672	0.0009	-2.5 to 2.5	Pass
				30	7.20	0.973	0.0014	-2.5 to 2.5	Pass
				40	7.20	0.300	0.0004	-2.5 to 2.5	Pass
				50	7.20	0.372	0.0005	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	6.12	1.059	0.0015	-2.5 to 2.5	Pass
					7.20	0.958	0.0014	-2.5 to 2.5	Pass
					8.28	0.930	0.0013	-2.5 to 2.5	Pass
				-30	7.20	0.944	0.0013	-2.5 to 2.5	Pass
				-20	7.20	2.031	0.0029	-2.5 to 2.5	Pass
				-10	7.20	1.717	0.0024	-2.5 to 2.5	Pass
				0	7.20	0.930	0.0013	-2.5 to 2.5	Pass
				10	7.20	1.259	0.0018	-2.5 to 2.5	Pass
				30	7.20	0.973	0.0014	-2.5 to 2.5	Pass
				40	7.20	1.559	0.0022	-2.5 to 2.5	Pass
				50	7.20	2.174	0.0031	-2.5 to 2.5	Pass
	707.5	25	0	20	6.12	2.518	0.0036	-2.5 to 2.5	Pass
					7.20	2.561	0.0036	-2.5 to 2.5	Pass
					8.28	1.903	0.0027	-2.5 to 2.5	Pass

				-30	7.20	1.402	0.0020	-2.5 to 2.5	Pass
				-20	7.20	1.259	0.0018	-2.5 to 2.5	Pass
				-10	7.20	1.216	0.0017	-2.5 to 2.5	Pass
				0	7.20	0.844	0.0012	-2.5 to 2.5	Pass
				10	7.20	1.259	0.0018	-2.5 to 2.5	Pass
				30	7.20	0.887	0.0013	-2.5 to 2.5	Pass
				40	7.20	0.930	0.0013	-2.5 to 2.5	Pass
				50	7.20	0.672	0.0009	-2.5 to 2.5	Pass
	713.5	25	0	20	6.12	0.257	0.0004	-2.5 to 2.5	Pass
					7.20	0.587	0.0008	-2.5 to 2.5	Pass
					8.28	0.429	0.0006	-2.5 to 2.5	Pass
				-30	7.20	0.358	0.0005	-2.5 to 2.5	Pass
				-20	7.20	1.588	0.0022	-2.5 to 2.5	Pass
				-10	7.20	0.787	0.0011	-2.5 to 2.5	Pass
				0	7.20	0.615	0.0009	-2.5 to 2.5	Pass
				10	7.20	1.030	0.0014	-2.5 to 2.5	Pass
				30	7.20	1.130	0.0016	-2.5 to 2.5	Pass
				40	7.20	1.030	0.0014	-2.5 to 2.5	Pass
				50	7.20	1.073	0.0015	-2.5 to 2.5	Pass
64QAM	701.5	25	0	20	6.12	1.359	0.0019	-2.5 to 2.5	Pass
					7.20	0.315	0.0004	-2.5 to 2.5	Pass
					8.28	1.616	0.0023	-2.5 to 2.5	Pass
				-30	7.20	1.359	0.0019	-2.5 to 2.5	Pass
				-20	7.20	1.960	0.0028	-2.5 to 2.5	Pass
				-10	7.20	2.389	0.0034	-2.5 to 2.5	Pass
				0	7.20	2.432	0.0035	-2.5 to 2.5	Pass
				10	7.20	2.518	0.0036	-2.5 to 2.5	Pass
				30	7.20	1.688	0.0024	-2.5 to 2.5	Pass
				40	7.20	2.661	0.0038	-2.5 to 2.5	Pass
				50	7.20	3.190	0.0045	-2.5 to 2.5	Pass
	707.5	25	0	20	6.12	0.515	0.0007	-2.5 to 2.5	Pass
					7.20	0.744	0.0011	-2.5 to 2.5	Pass
					8.28	1.359	0.0019	-2.5 to 2.5	Pass
				-30	7.20	1.116	0.0016	-2.5 to 2.5	Pass
				-20	7.20	0.658	0.0009	-2.5 to 2.5	Pass
				-10	7.20	0.329	0.0005	-2.5 to 2.5	Pass
				0	7.20	0.944	0.0013	-2.5 to 2.5	Pass
				10	7.20	1.087	0.0015	-2.5 to 2.5	Pass
				30	7.20	0.300	0.0004	-2.5 to 2.5	Pass
				40	7.20	0.715	0.0010	-2.5 to 2.5	Pass
				50	7.20	0.043	0.0001	-2.5 to 2.5	Pass
	713.5	25	0	20	6.12	0.343	0.0005	-2.5 to 2.5	Pass
					7.20	0.129	0.0002	-2.5 to 2.5	Pass
					8.28	1.388	0.0019	-2.5 to 2.5	Pass
				-30	7.20	1.760	0.0025	-2.5 to 2.5	Pass
				-20	7.20	0.558	0.0008	-2.5 to 2.5	Pass
				-10	7.20	1.402	0.0020	-2.5 to 2.5	Pass
				0	7.20	1.101	0.0015	-2.5 to 2.5	Pass
				10	7.20	1.302	0.0018	-2.5 to 2.5	Pass
				30	7.20	0.558	0.0008	-2.5 to 2.5	Pass
				40	7.20	0.229	0.0003	-2.5 to 2.5	Pass
				50	7.20	1.659	0.0023	-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	6.12	1.130	0.0016	-2.5 to 2.5	Pass
					7.20	0.744	0.0011	-2.5 to 2.5	Pass
					8.28	0.558	0.0008	-2.5 to 2.5	Pass
				-30	7.20	0.329	0.0005	-2.5 to 2.5	Pass
				-20	7.20	1.116	0.0016	-2.5 to 2.5	Pass
				-10	7.20	0.529	0.0008	-2.5 to 2.5	Pass
				0	7.20	0.787	0.0011	-2.5 to 2.5	Pass
				10	7.20	0.472	0.0007	-2.5 to 2.5	Pass
				30	7.20	-0.014	0.0000	-2.5 to 2.5	Pass
				40	7.20	0.257	0.0004	-2.5 to 2.5	Pass
				50	7.20	0.315	0.0004	-2.5 to 2.5	Pass
	707.5	50	0	20	6.12	0.257	0.0004	-2.5 to 2.5	Pass
					7.20	-0.372	-0.0005	-2.5 to 2.5	Pass
					8.28	-0.343	-0.0005	-2.5 to 2.5	Pass
				-30	7.20	-0.687	-0.0010	-2.5 to 2.5	Pass
				-20	7.20	-0.286	-0.0004	-2.5 to 2.5	Pass
				-10	7.20	-0.501	-0.0007	-2.5 to 2.5	Pass
				0	7.20	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	7.20	0.014	0.0000	-2.5 to 2.5	Pass
				30	7.20	-0.329	-0.0005	-2.5 to 2.5	Pass
				40	7.20	-0.486	-0.0007	-2.5 to 2.5	Pass
				50	7.20	-0.043	-0.0001	-2.5 to 2.5	Pass
	711	50	0	20	6.12	-0.358	-0.0005	-2.5 to 2.5	Pass
					7.20	-0.358	-0.0005	-2.5 to 2.5	Pass
					8.28	-1.302	-0.0018	-2.5 to 2.5	Pass
				-30	7.20	-1.287	-0.0018	-2.5 to 2.5	Pass
				-20	7.20	-1.159	-0.0016	-2.5 to 2.5	Pass
				-10	7.20	-1.416	-0.0020	-2.5 to 2.5	Pass
				0	7.20	-0.973	-0.0014	-2.5 to 2.5	Pass
				10	7.20	-0.787	-0.0011	-2.5 to 2.5	Pass
				30	7.20	-0.744	-0.0010	-2.5 to 2.5	Pass
				40	7.20	-0.601	-0.0008	-2.5 to 2.5	Pass
				50	7.20	-0.415	-0.0006	-2.5 to 2.5	Pass
16QAM	704	50	0	20	6.12	0.758	0.0011	-2.5 to 2.5	Pass
					7.20	0.687	0.0010	-2.5 to 2.5	Pass
					8.28	0.887	0.0013	-2.5 to 2.5	Pass
				-30	7.20	0.787	0.0011	-2.5 to 2.5	Pass
				-20	7.20	0.257	0.0004	-2.5 to 2.5	Pass
				-10	7.20	-0.114	-0.0002	-2.5 to 2.5	Pass
				0	7.20	0.086	0.0001	-2.5 to 2.5	Pass
				10	7.20	0.901	0.0013	-2.5 to 2.5	Pass
				30	7.20	0.587	0.0008	-2.5 to 2.5	Pass
				40	7.20	0.114	0.0002	-2.5 to 2.5	Pass
				50	7.20	0.272	0.0004	-2.5 to 2.5	Pass
	707.5	50	0	20	6.12	-0.372	-0.0005	-2.5 to 2.5	Pass
					7.20	0.243	0.0003	-2.5 to 2.5	Pass
					8.28	0.386	0.0005	-2.5 to 2.5	Pass
				-30	7.20	0.186	0.0003	-2.5 to 2.5	Pass
				-20	7.20	-0.544	-0.0008	-2.5 to 2.5	Pass
				-10	7.20	0.114	0.0002	-2.5 to 2.5	Pass
				0	7.20	-0.157	-0.0002	-2.5 to 2.5	Pass
				10	7.20	0.458	0.0006	-2.5 to 2.5	Pass
				30	7.20	0.172	0.0002	-2.5 to 2.5	Pass
				40	7.20	0.401	0.0006	-2.5 to 2.5	Pass
				50	7.20	0.472	0.0007	-2.5 to 2.5	Pass

	711	50	0	20	6.12	-0.300	-0.0004	-2.5 to 2.5	Pass
					7.20	-0.100	-0.0001	-2.5 to 2.5	Pass
					8.28	-1.273	-0.0018	-2.5 to 2.5	Pass
				-30	7.20	-0.815	-0.0011	-2.5 to 2.5	Pass
				-20	7.20	-0.157	-0.0002	-2.5 to 2.5	Pass
				-10	7.20	-0.072	-0.0001	-2.5 to 2.5	Pass
				0	7.20	-0.300	-0.0004	-2.5 to 2.5	Pass
				10	7.20	-0.672	-0.0009	-2.5 to 2.5	Pass
				30	7.20	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	7.20	-0.730	-0.0010	-2.5 to 2.5	Pass
				50	7.20	-0.315	-0.0004	-2.5 to 2.5	Pass
64QAM	704	50	0	20	6.12	-0.286	-0.0004	-2.5 to 2.5	Pass
					7.20	0.029	0.0000	-2.5 to 2.5	Pass
					8.28	0.114	0.0002	-2.5 to 2.5	Pass
				-30	7.20	-0.243	-0.0003	-2.5 to 2.5	Pass
				-20	7.20	-0.601	-0.0009	-2.5 to 2.5	Pass
				-10	7.20	-0.787	-0.0011	-2.5 to 2.5	Pass
				0	7.20	-0.887	-0.0013	-2.5 to 2.5	Pass
				10	7.20	-0.801	-0.0011	-2.5 to 2.5	Pass
				30	7.20	-0.958	-0.0014	-2.5 to 2.5	Pass
				40	7.20	-0.801	-0.0011	-2.5 to 2.5	Pass
				50	7.20	-0.358	-0.0005	-2.5 to 2.5	Pass
	707.5	50	0	20	6.12	-0.057	-0.0001	-2.5 to 2.5	Pass
					7.20	-0.315	-0.0004	-2.5 to 2.5	Pass
					8.28	0.157	0.0002	-2.5 to 2.5	Pass
				-30	7.20	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	7.20	-0.787	-0.0011	-2.5 to 2.5	Pass
				-10	7.20	-1.516	-0.0021	-2.5 to 2.5	Pass
				0	7.20	-1.731	-0.0024	-2.5 to 2.5	Pass
				10	7.20	-0.901	-0.0013	-2.5 to 2.5	Pass
				30	7.20	-0.601	-0.0008	-2.5 to 2.5	Pass
				40	7.20	-1.717	-0.0024	-2.5 to 2.5	Pass
				50	7.20	-1.202	-0.0017	-2.5 to 2.5	Pass
	711	50	0	20	6.12	-0.815	-0.0011	-2.5 to 2.5	Pass
					7.20	-0.987	-0.0014	-2.5 to 2.5	Pass
					8.28	-1.216	-0.0017	-2.5 to 2.5	Pass
				-30	7.20	-0.486	-0.0007	-2.5 to 2.5	Pass
				-20	7.20	-0.615	-0.0009	-2.5 to 2.5	Pass
				-10	7.20	-1.073	-0.0015	-2.5 to 2.5	Pass
				0	7.20	-1.502	-0.0021	-2.5 to 2.5	Pass
				10	7.20	-0.501	-0.0007	-2.5 to 2.5	Pass
				30	7.20	-2.089	-0.0029	-2.5 to 2.5	Pass
				40	7.20	-0.672	-0.0009	-2.5 to 2.5	Pass
				50	7.20	-0.372	-0.0005	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

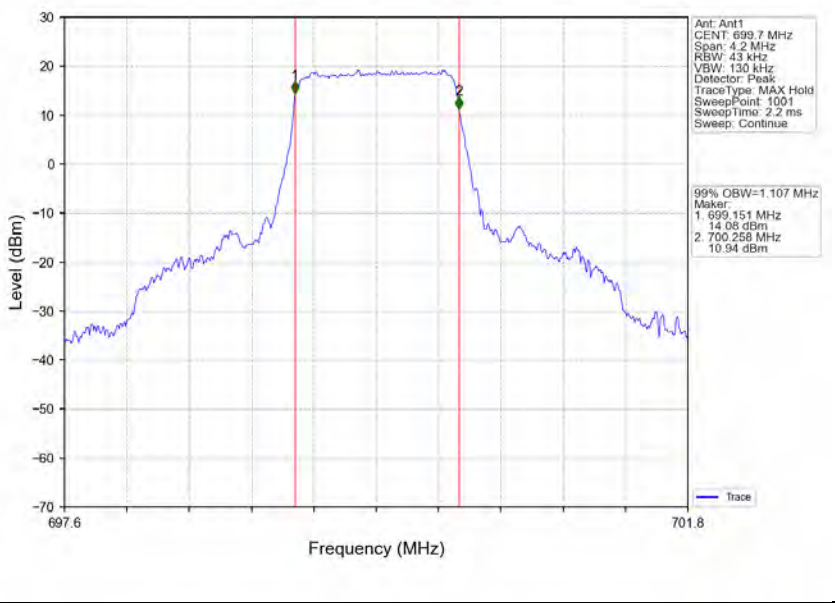
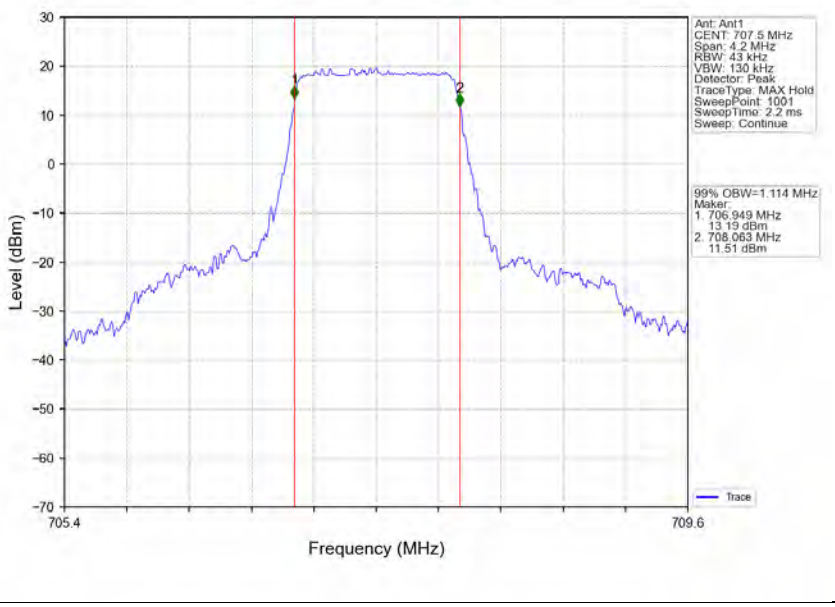
3.1 Band12_OBW

3.1.1 Test Result

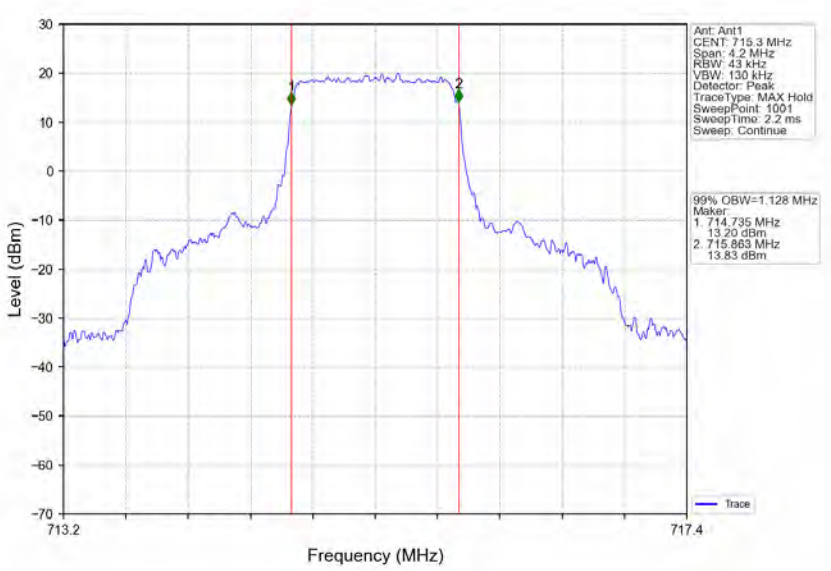
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.107	/	Pass

		707.5	6	0	1.114	/	Pass
		715.3	6	0	1.128	/	Pass
	16QAM	699.7	6	0	1.116	/	Pass
		707.5	6	0	1.113	/	Pass
		715.3	6	0	1.112	/	Pass
	64QAM	699.7	6	0	1.111	/	Pass
		707.5	6	0	1.116	/	Pass
		715.3	6	0	1.110	/	Pass
3	QPSK	700.5	15	0	2.743	/	Pass
		707.5	15	0	2.747	/	Pass
		714.5	15	0	2.752	/	Pass
	16QAM	700.5	15	0	2.757	/	Pass
		707.5	15	0	2.739	/	Pass
		714.5	15	0	2.740	/	Pass
	64QAM	700.5	15	0	2.752	/	Pass
		707.5	15	0	2.725	/	Pass
		714.5	15	0	2.745	/	Pass
5	QPSK	701.5	25	0	4.541	/	Pass
		707.5	25	0	4.536	/	Pass
		713.5	25	0	4.534	/	Pass
	16QAM	701.5	25	0	4.515	/	Pass
		707.5	25	0	4.544	/	Pass
		713.5	25	0	4.568	/	Pass
	64QAM	701.5	25	0	4.526	/	Pass
		707.5	25	0	4.552	/	Pass
		713.5	25	0	4.543	/	Pass
10	QPSK	704	50	0	9.038	/	Pass
		707.5	50	0	9.048	/	Pass
		711	50	0	9.032	/	Pass
	16QAM	704	50	0	9.060	/	Pass
		707.5	50	0	9.062	/	Pass
		711	50	0	8.994	/	Pass
	64QAM	704	50	0	9.004	/	Pass
		707.5	50	0	9.052	/	Pass
		711	50	0	9.001	/	Pass

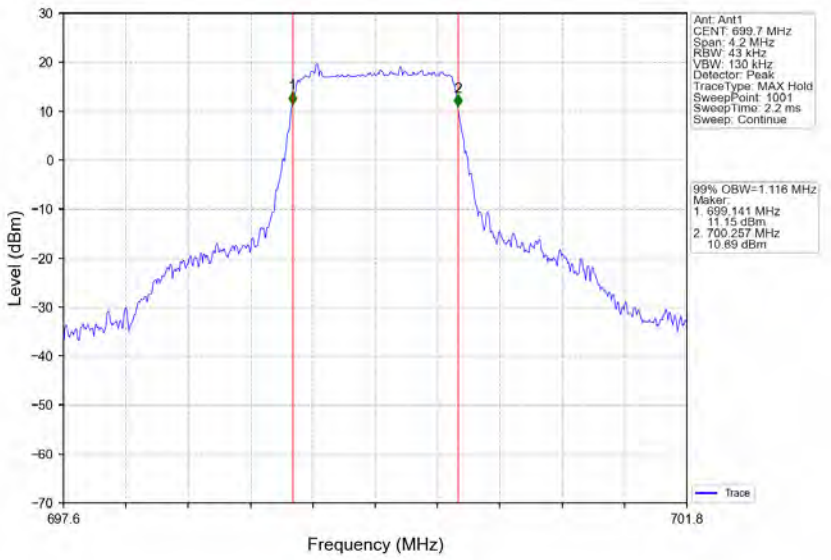
3.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


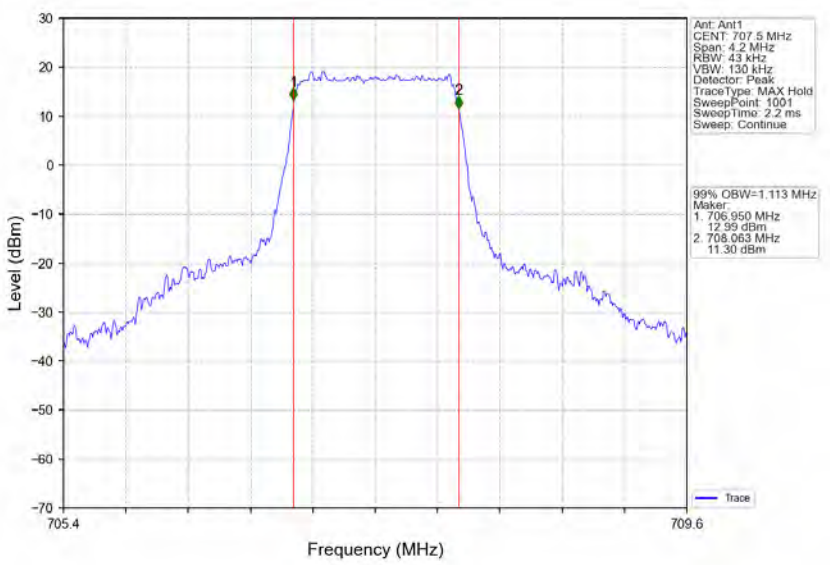
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



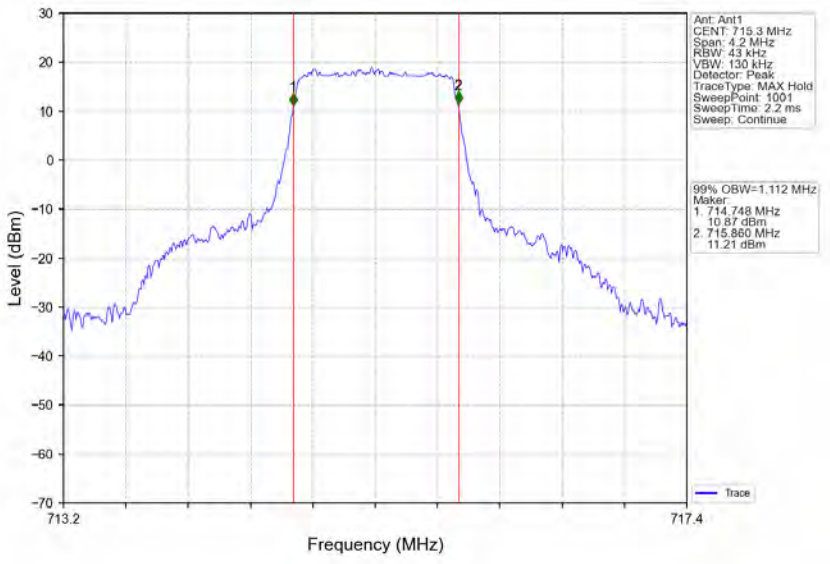
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



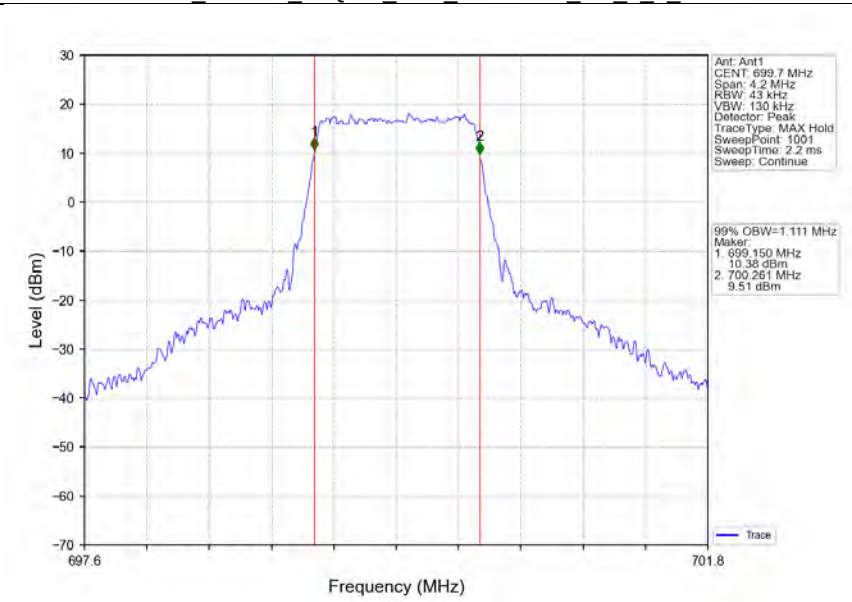
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



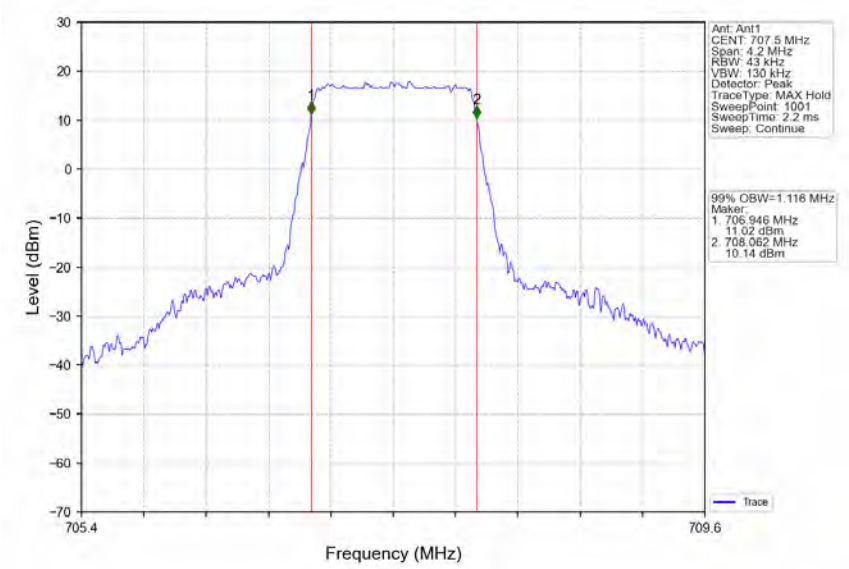
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



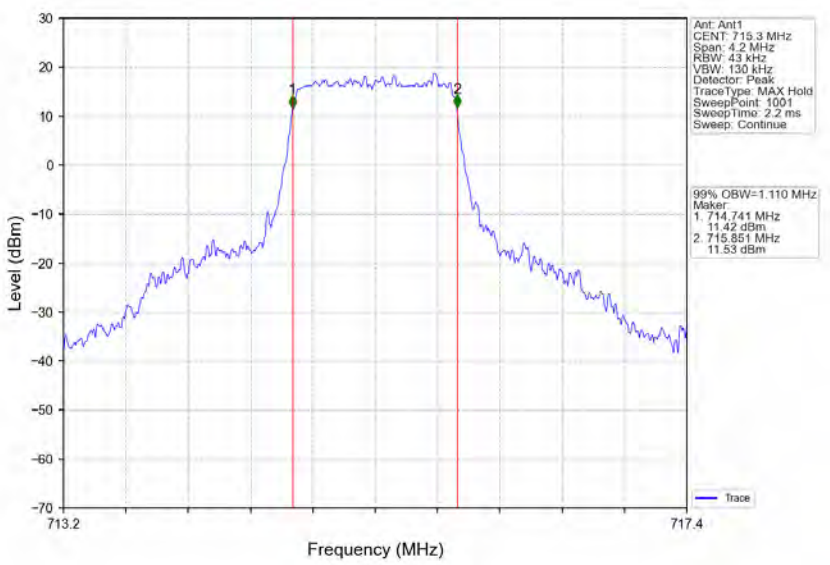
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



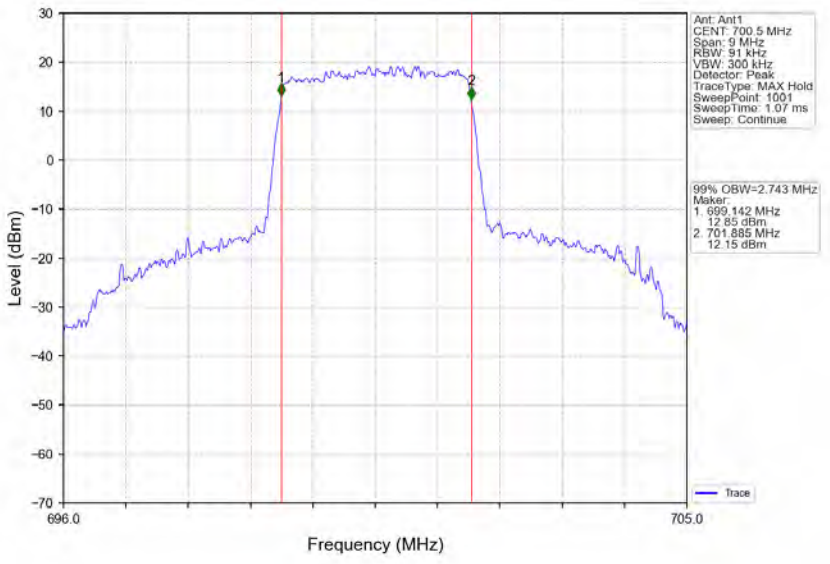
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



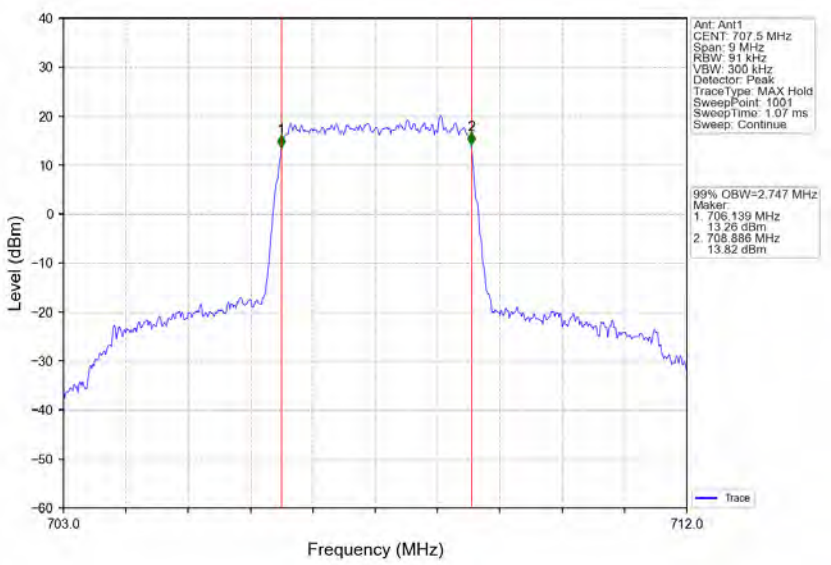
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



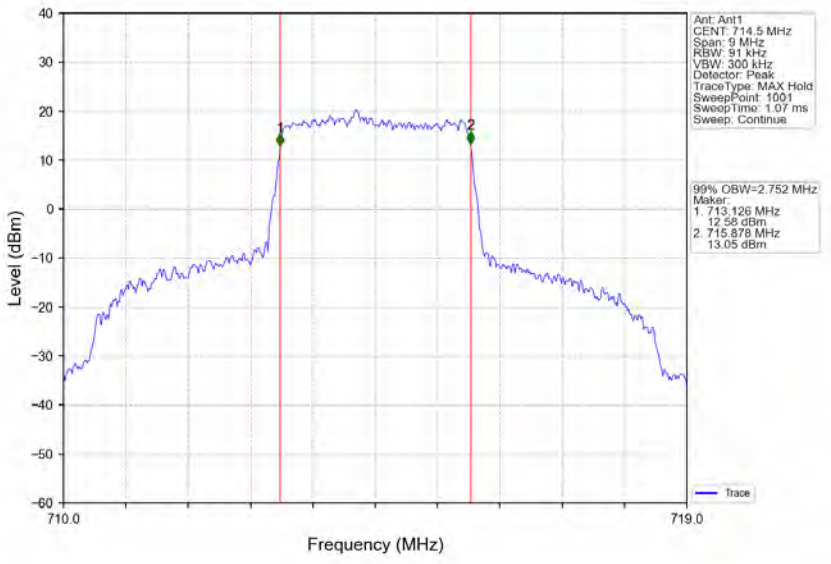
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



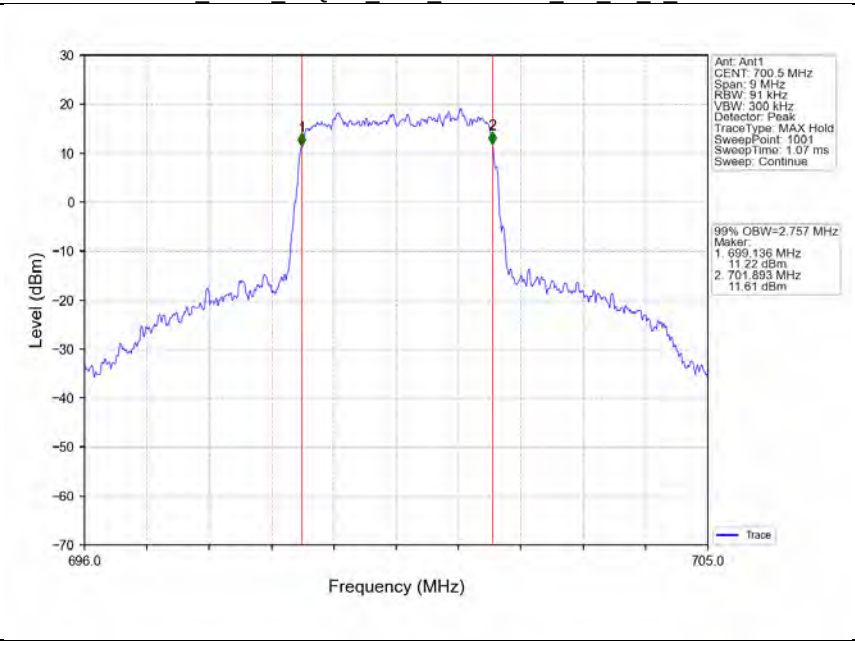
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



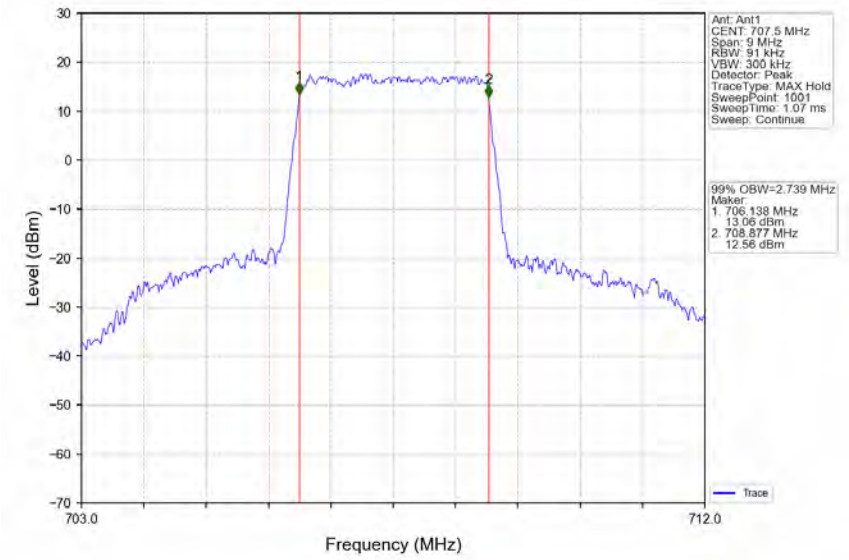
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



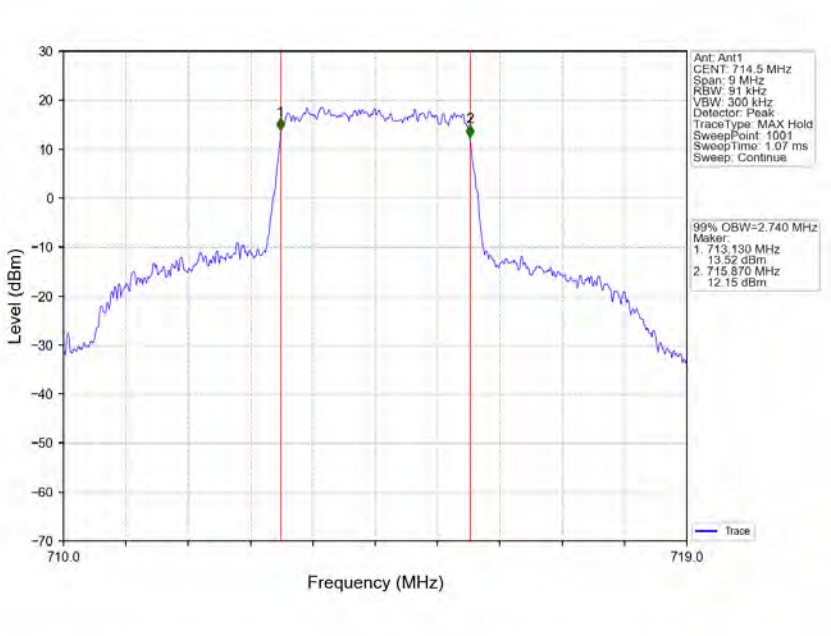
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



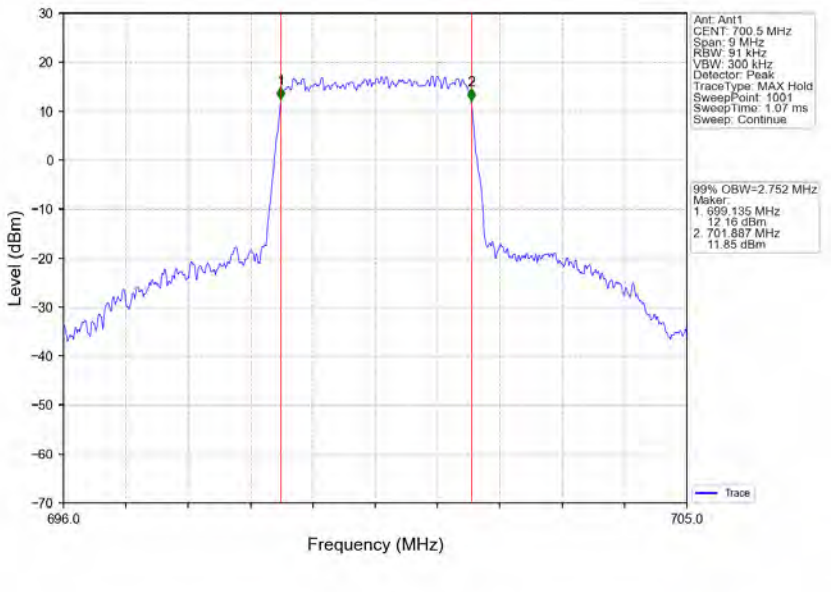
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



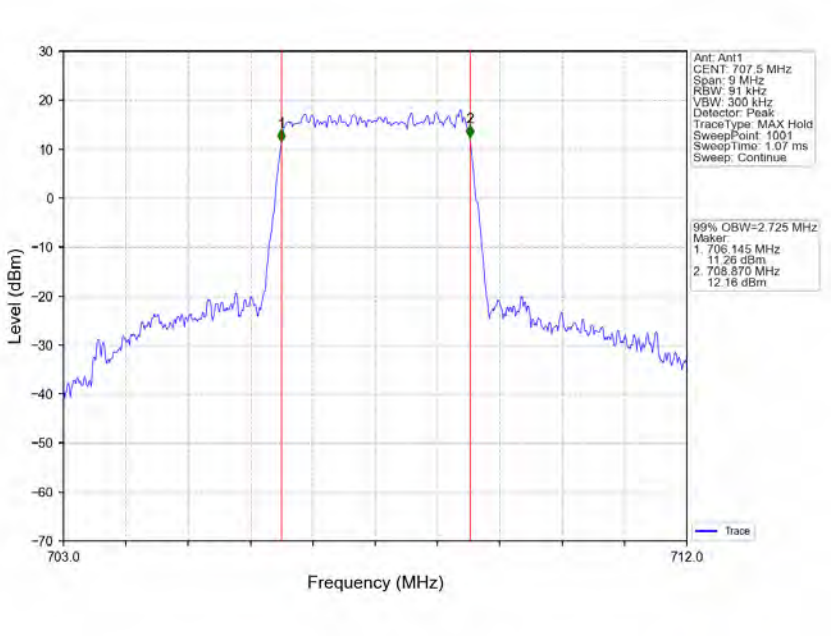
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



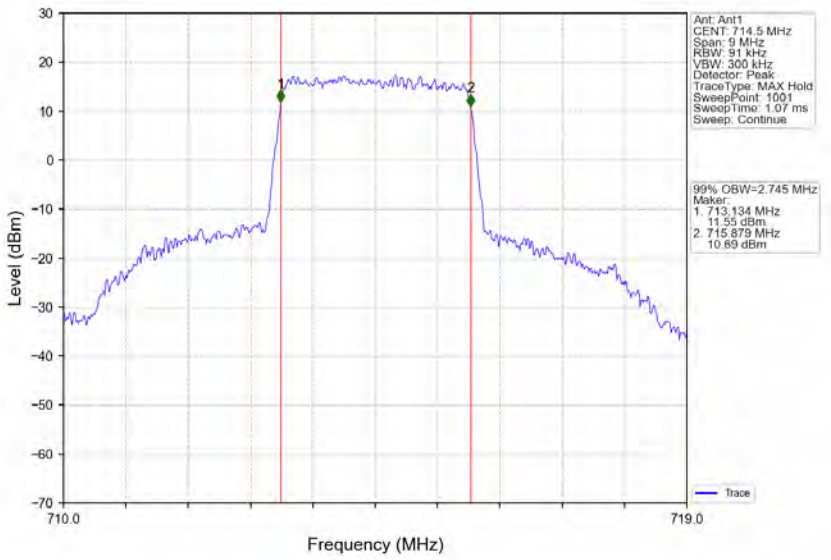
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV

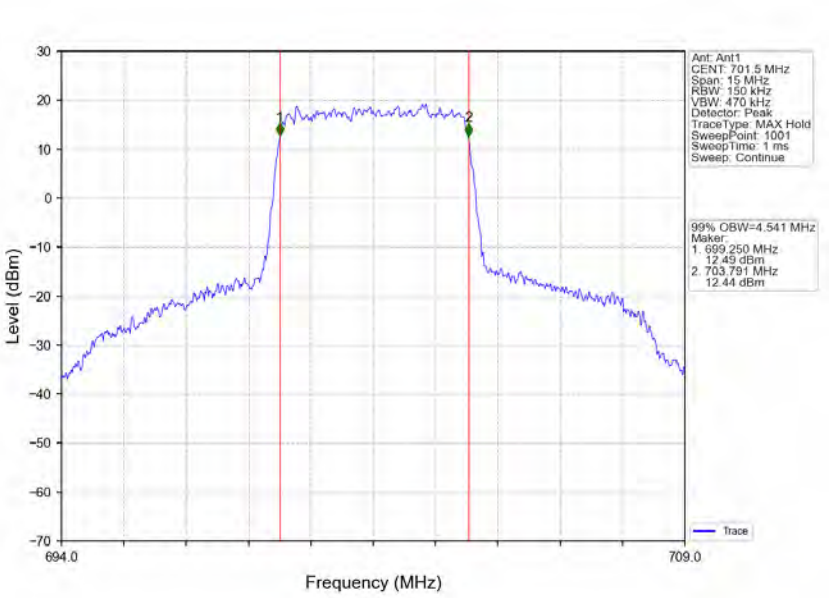
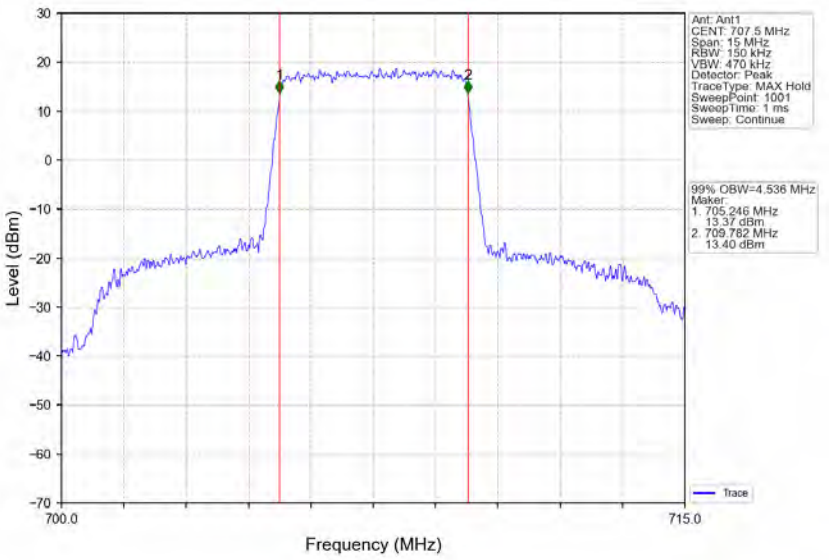


Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV

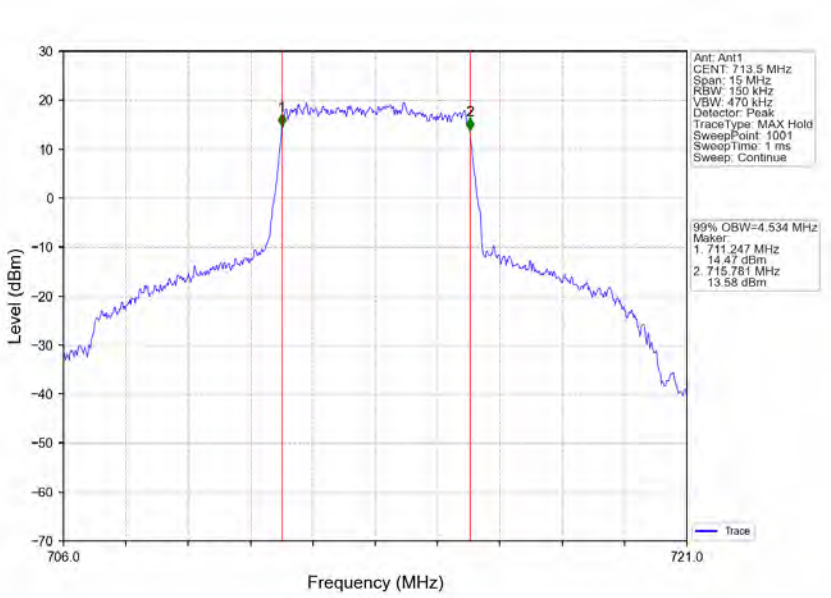


Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV

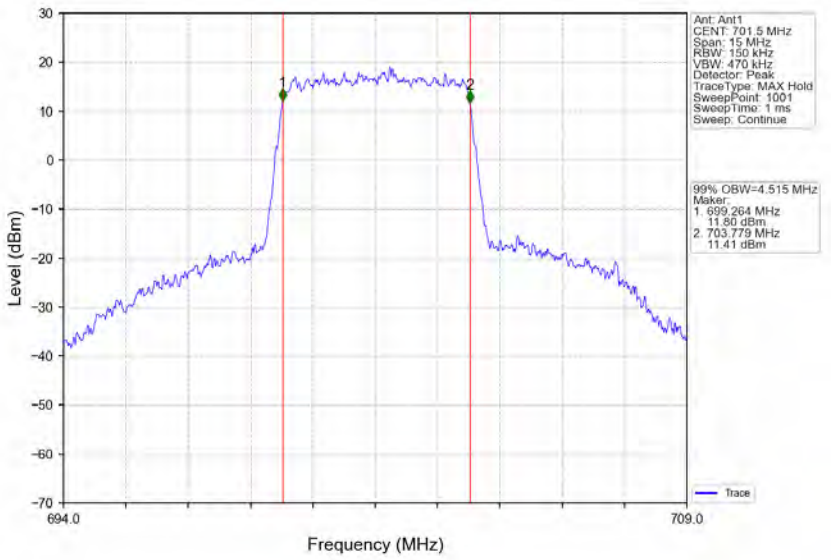


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV


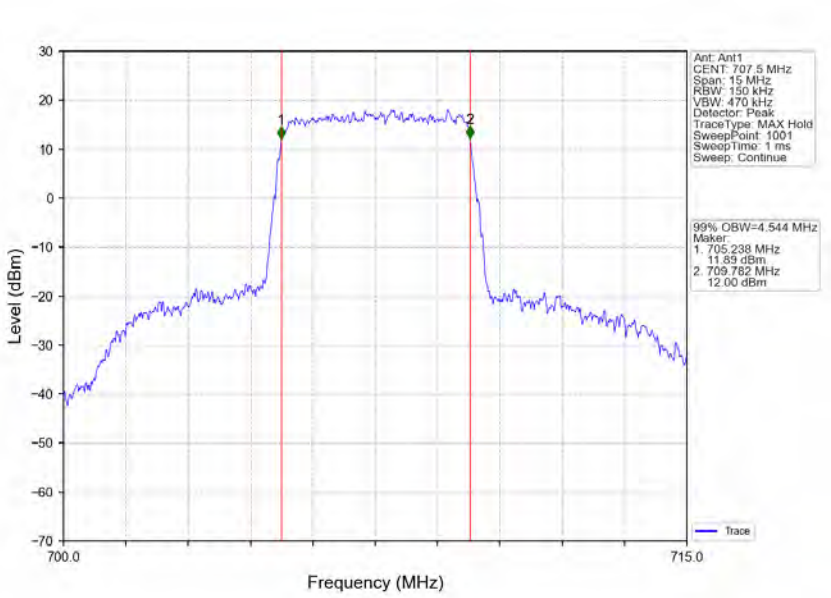
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



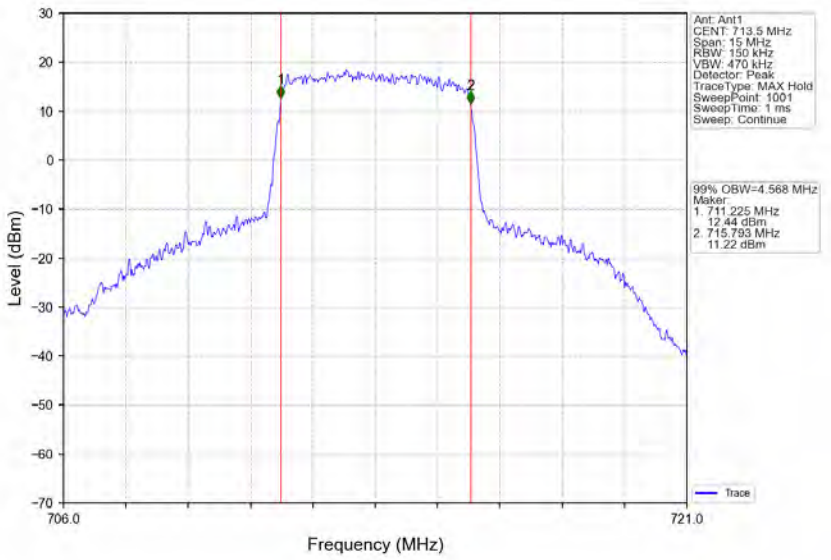
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



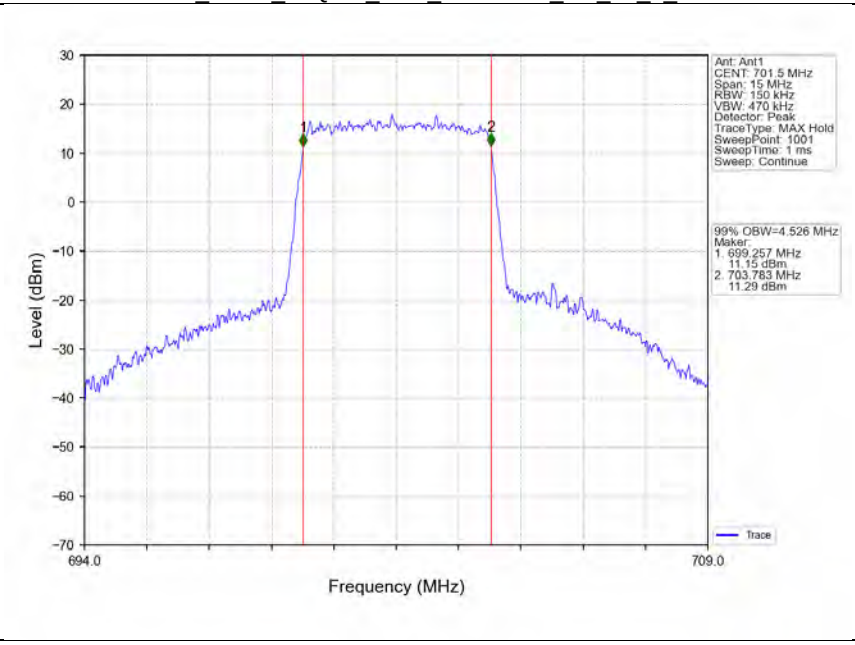
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



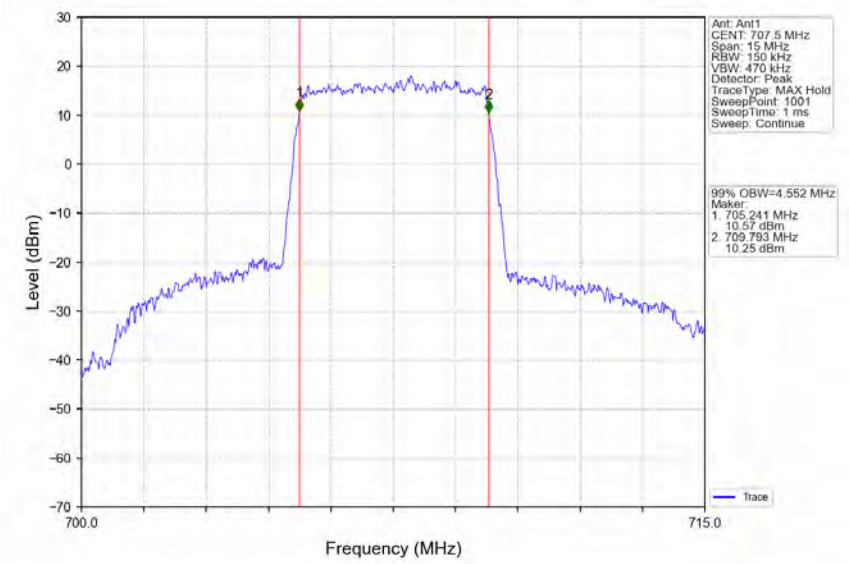
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



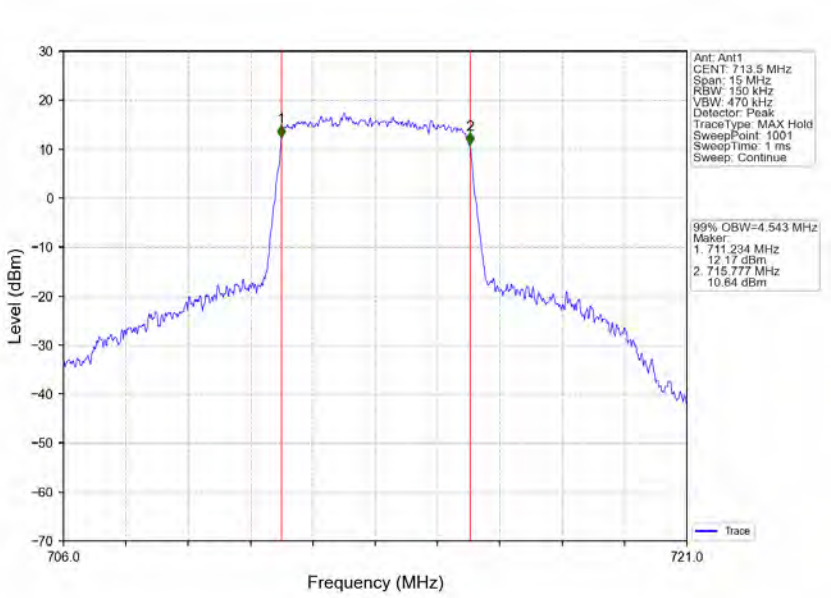
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



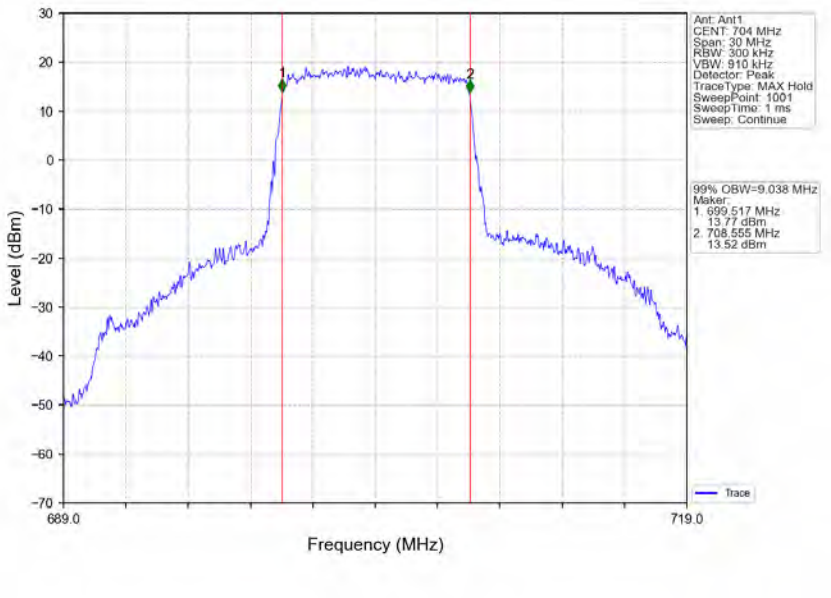
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



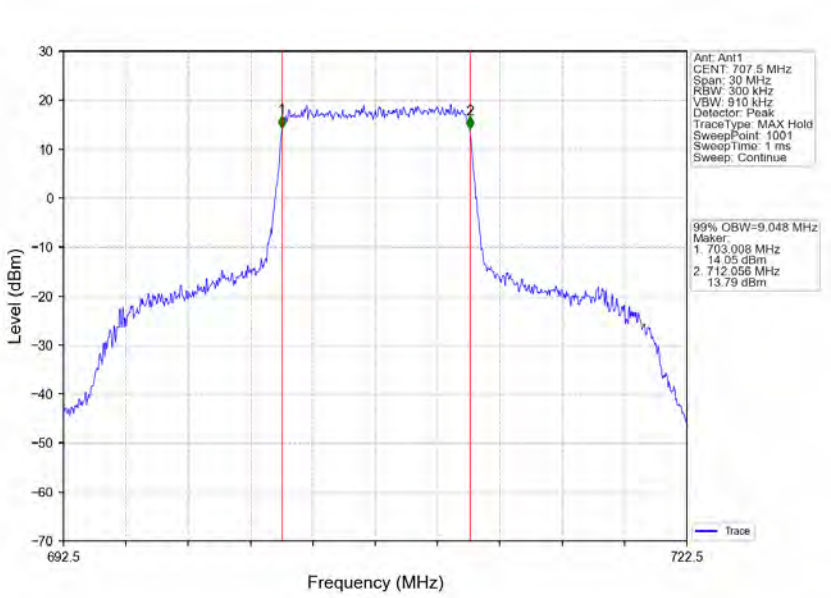
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



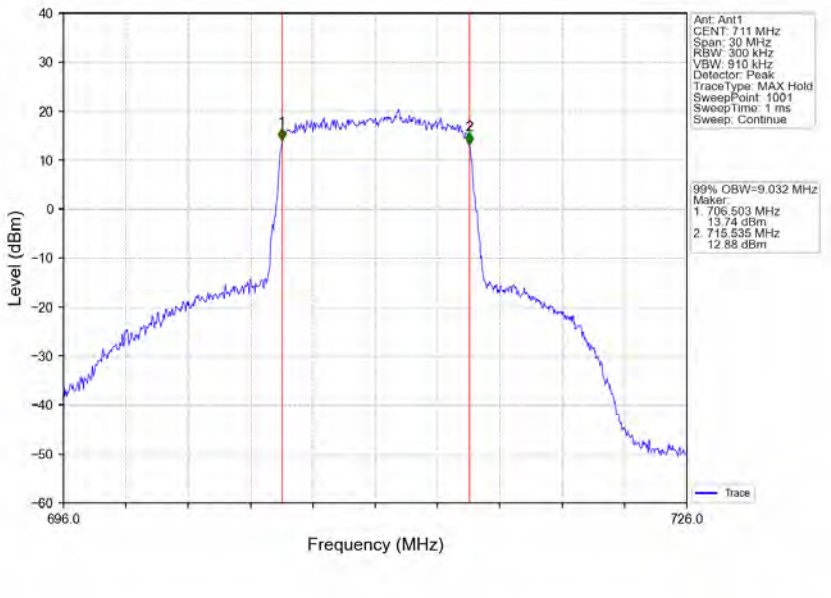
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

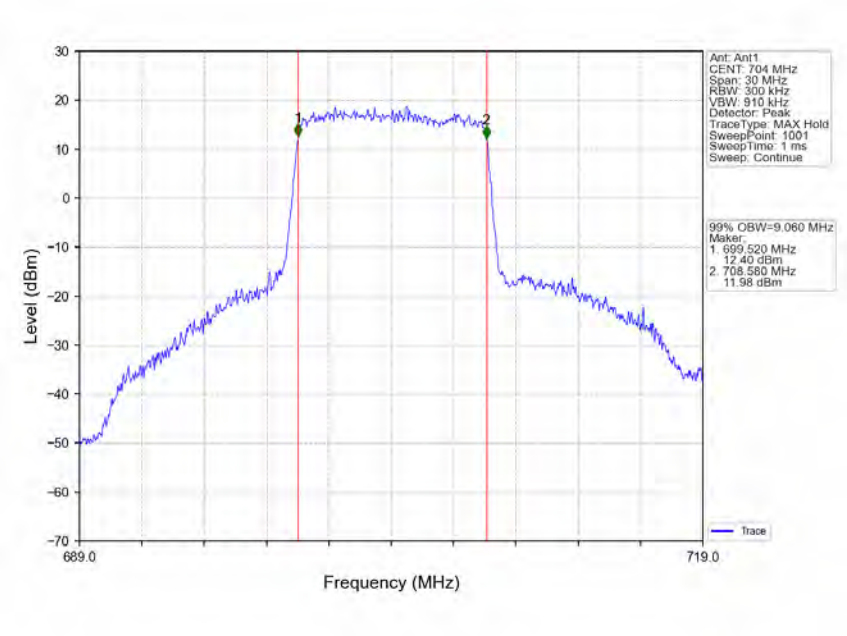
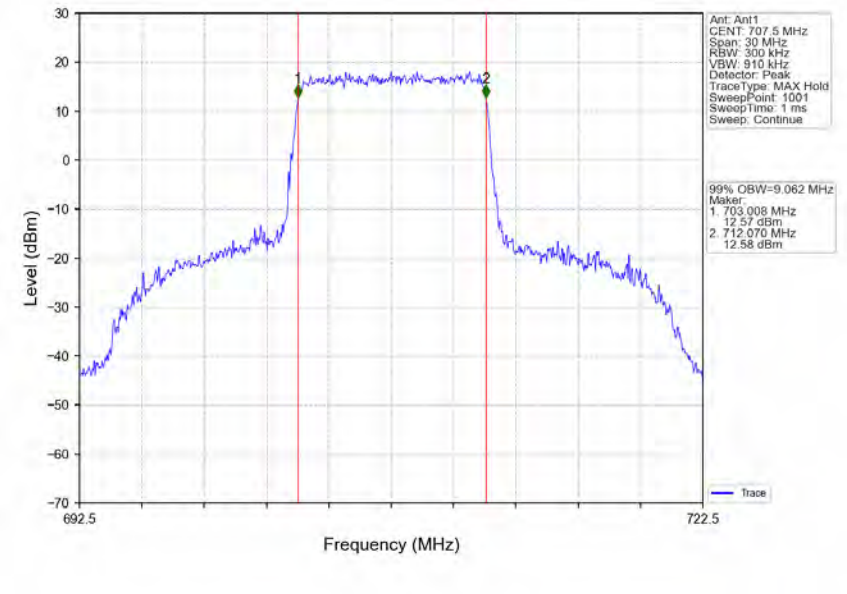


Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

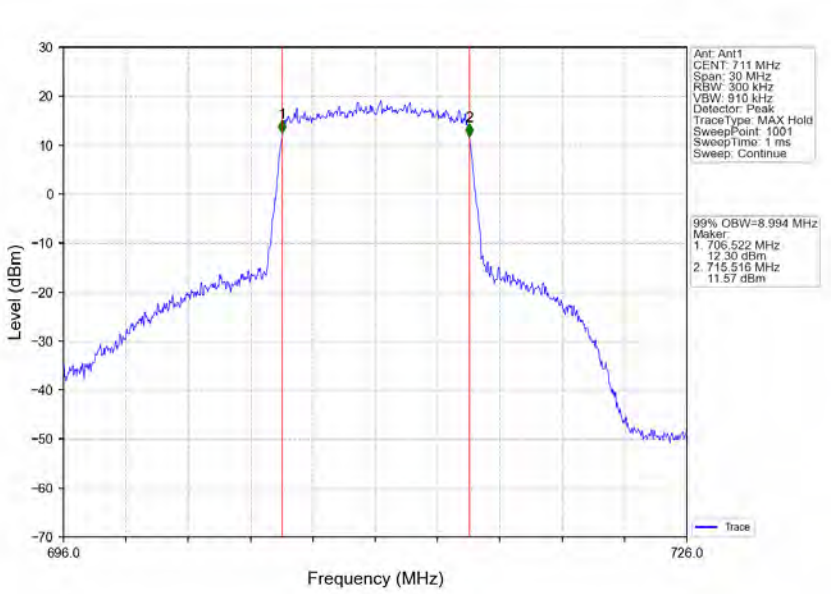


Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

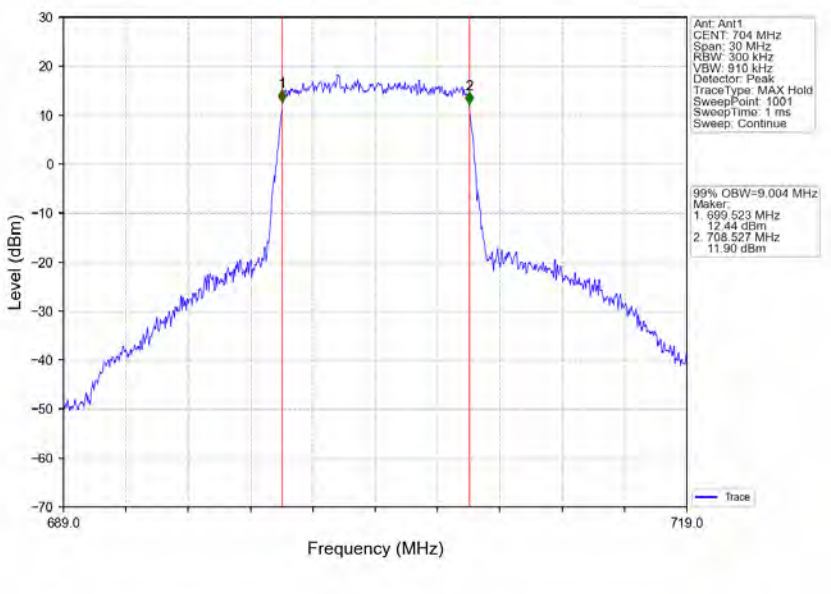


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV


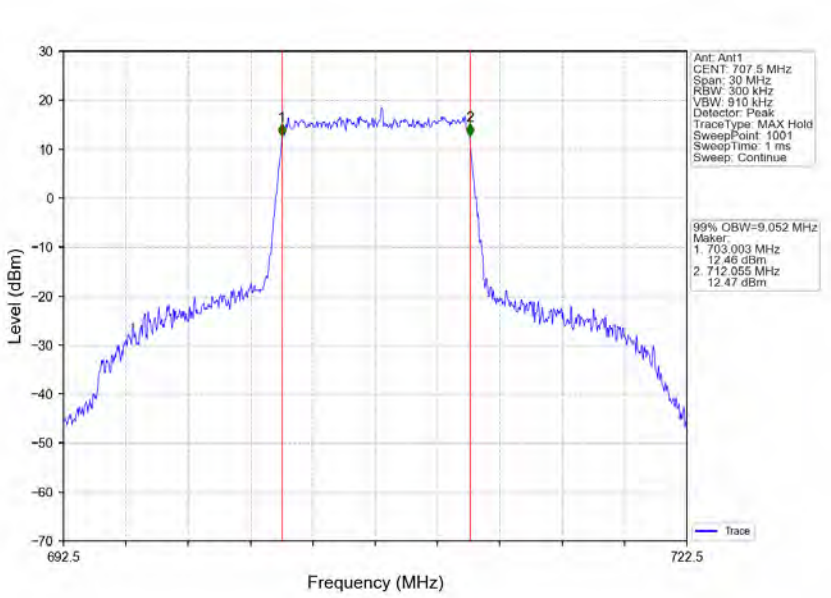
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



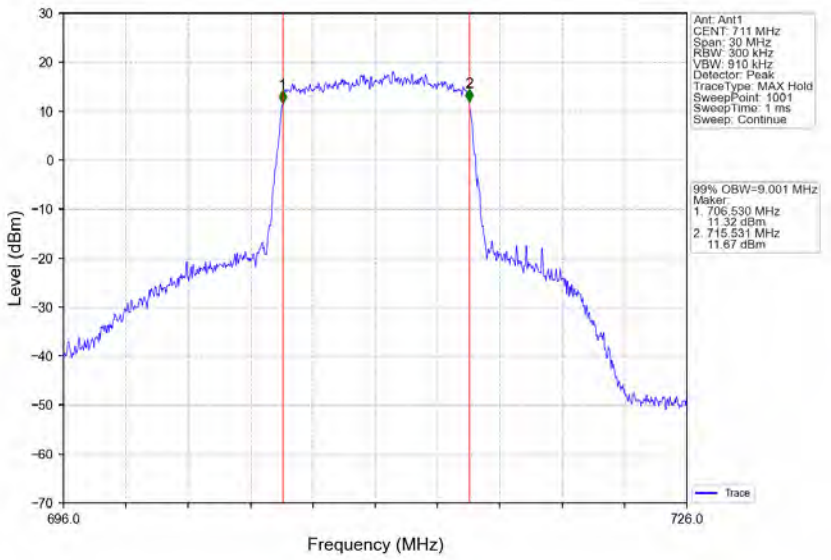
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



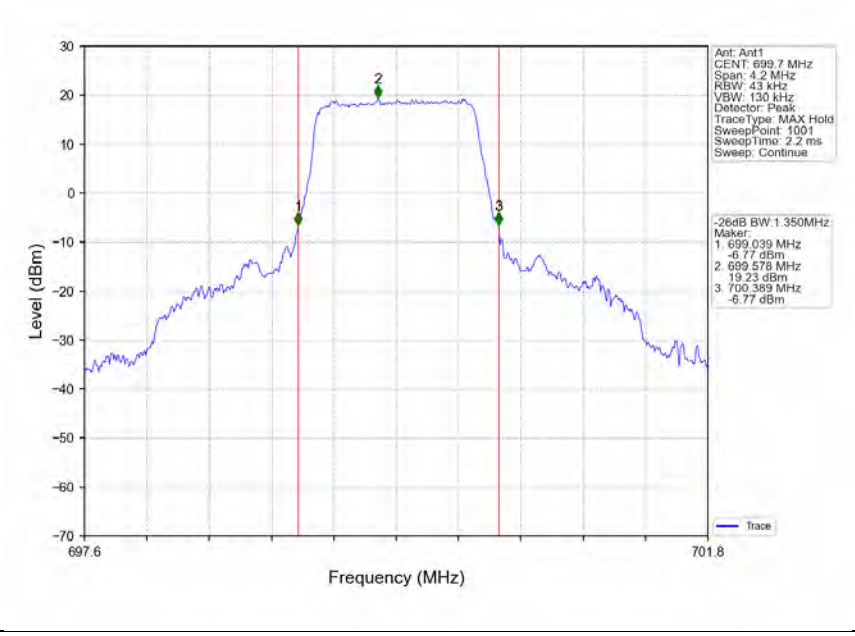
4 Band12_XDB

4.1.1 Test Result

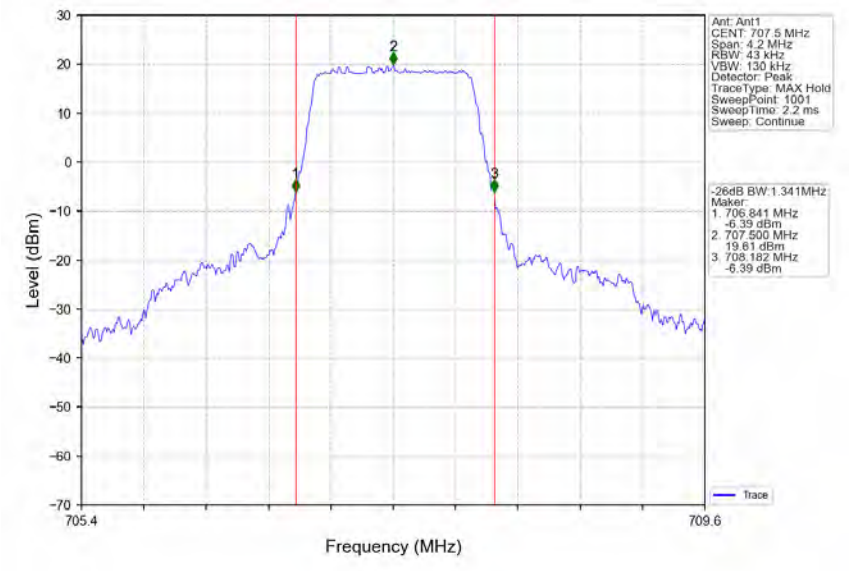
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.350	/	Pass
		707.5	6	0	1.341	/	Pass
		715.3	6	0	1.343	/	Pass
	16QAM	699.7	6	0	1.335	/	Pass
		707.5	6	0	1.316	/	Pass
		715.3	6	0	1.365	/	Pass
	64QAM	699.7	6	0	1.324	/	Pass
		707.5	6	0	1.339	/	Pass
		715.3	6	0	1.296	/	Pass
3	QPSK	700.5	15	0	3.079	/	Pass
		707.5	15	0	3.050	/	Pass
		714.5	15	0	3.072	/	Pass
	16QAM	700.5	15	0	3.078	/	Pass
		707.5	15	0	3.077	/	Pass
		714.5	15	0	3.073	/	Pass
	64QAM	700.5	15	0	3.067	/	Pass
		707.5	15	0	3.041	/	Pass
		714.5	15	0	3.066	/	Pass
5	QPSK	701.5	25	0	5.061	/	Pass
		707.5	25	0	5.089	/	Pass
		713.5	25	0	5.079	/	Pass
	16QAM	701.5	25	0	5.024	/	Pass
		707.5	25	0	5.126	/	Pass
		713.5	25	0	5.072	/	Pass
	64QAM	701.5	25	0	5.039	/	Pass
		707.5	25	0	5.068	/	Pass
		713.5	25	0	5.076	/	Pass
10	QPSK	704	50	0	10.194	/	Pass
		707.5	50	0	10.063	/	Pass
		711	50	0	10.000	/	Pass
	16QAM	704	50	0	9.972	/	Pass
		707.5	50	0	10.066	/	Pass
		711	50	0	10.003	/	Pass
	64QAM	704	50	0	9.988	/	Pass
		707.5	50	0	9.959	/	Pass
		711	50	0	10.012	/	Pass

4.1.2 Test Graph

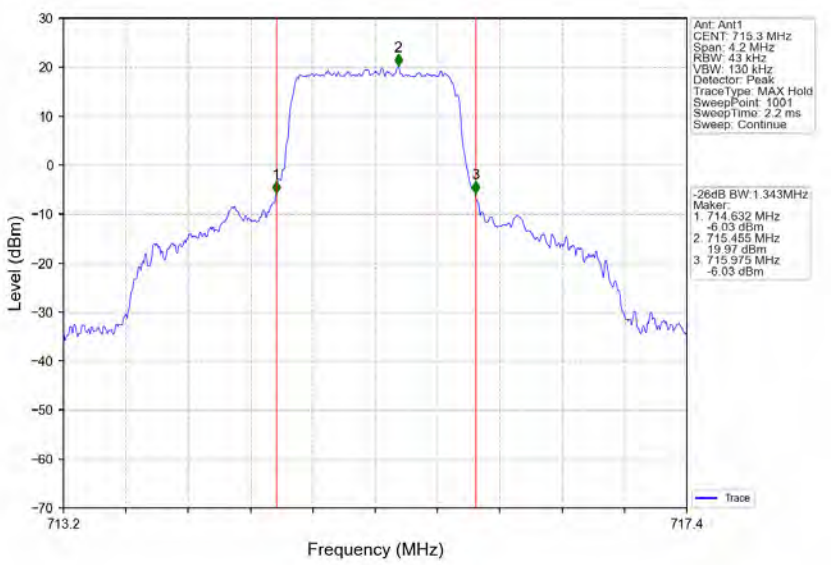
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



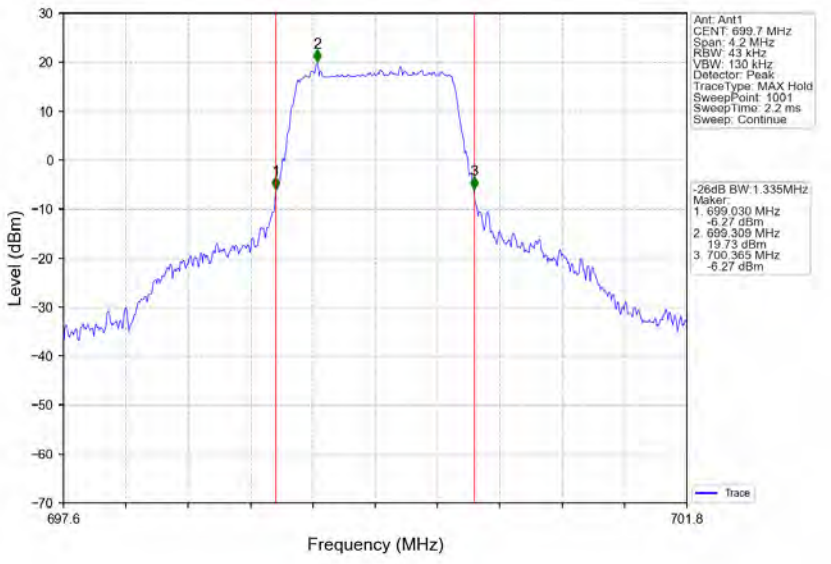
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



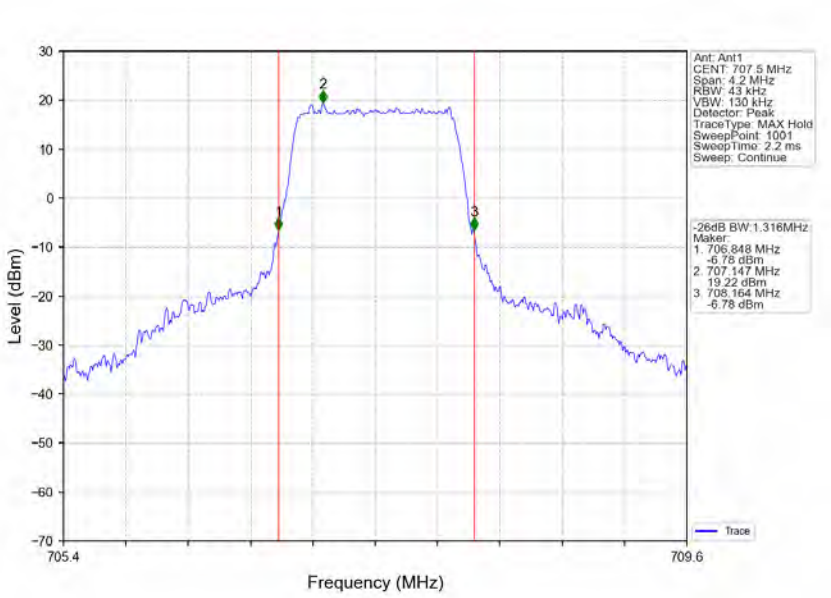
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



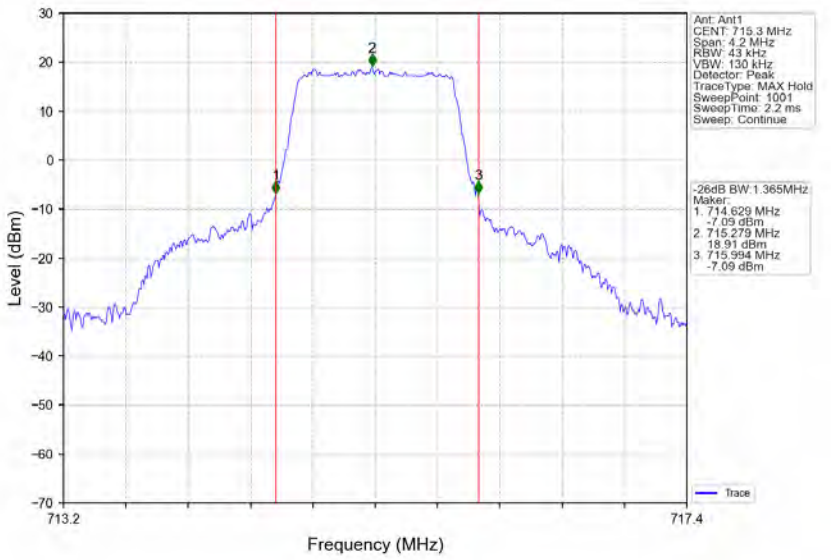
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



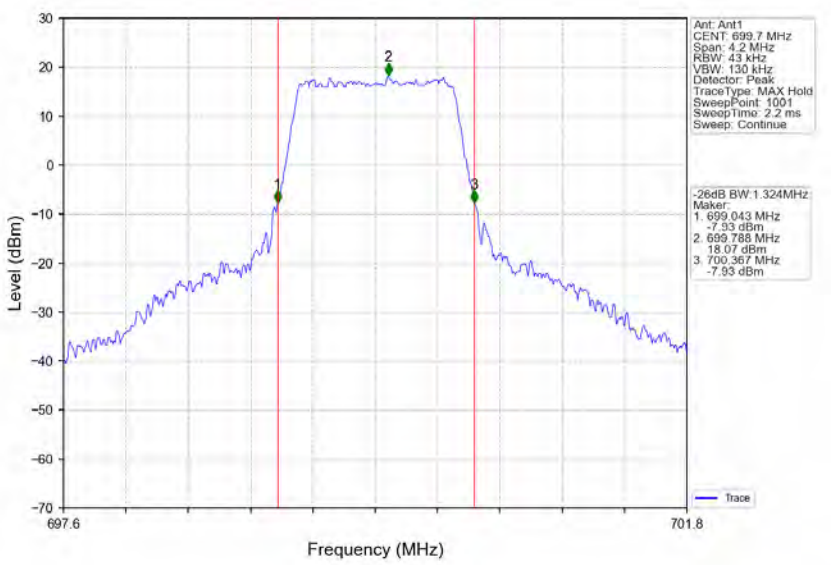
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



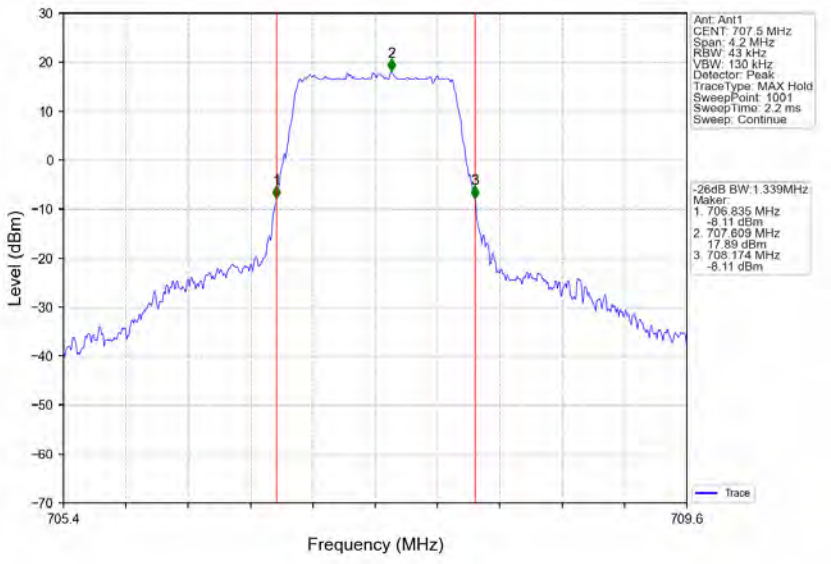
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



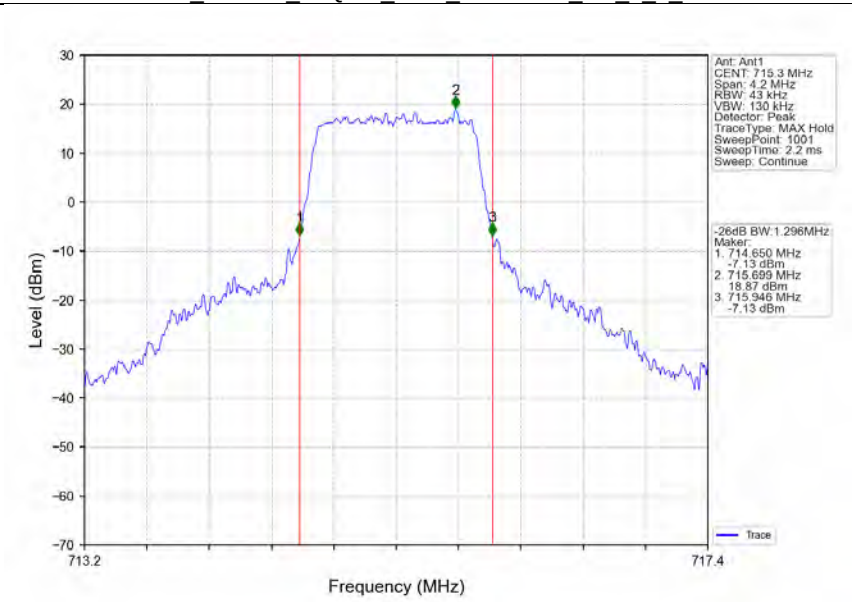
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



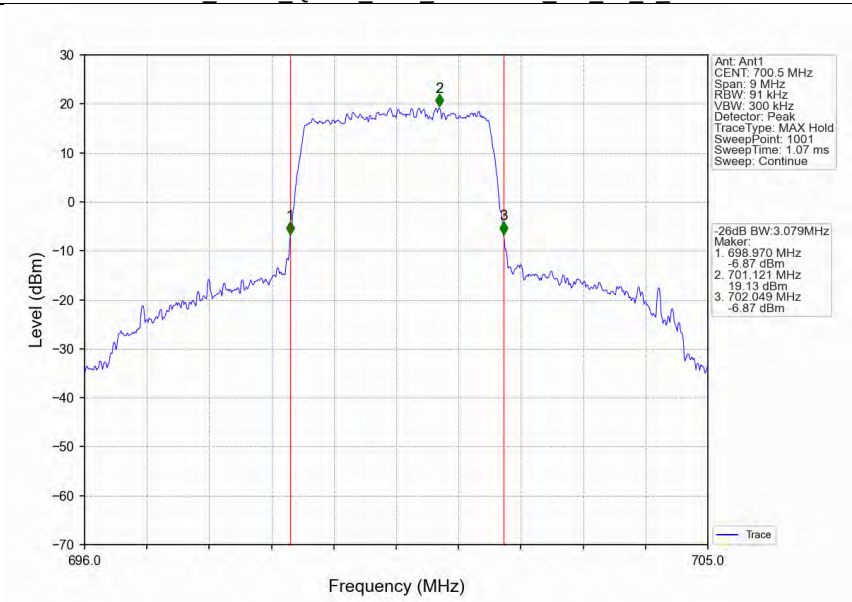
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



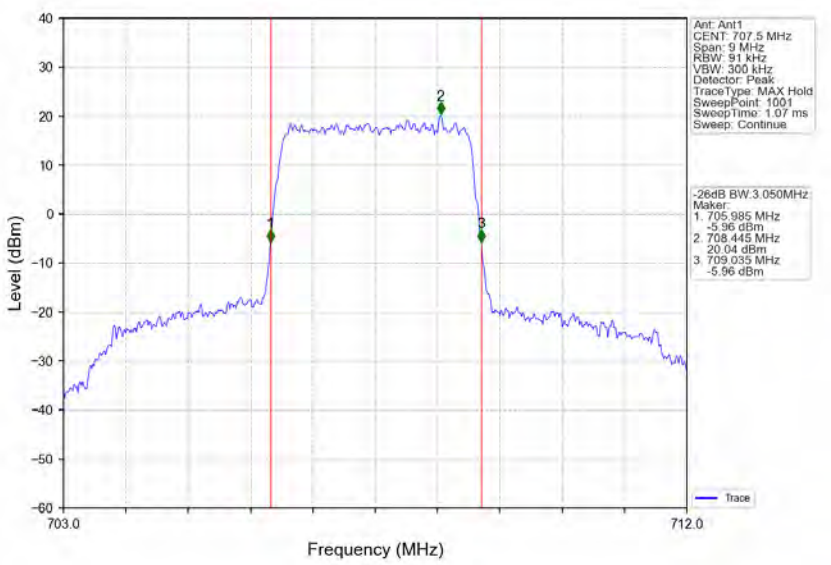
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



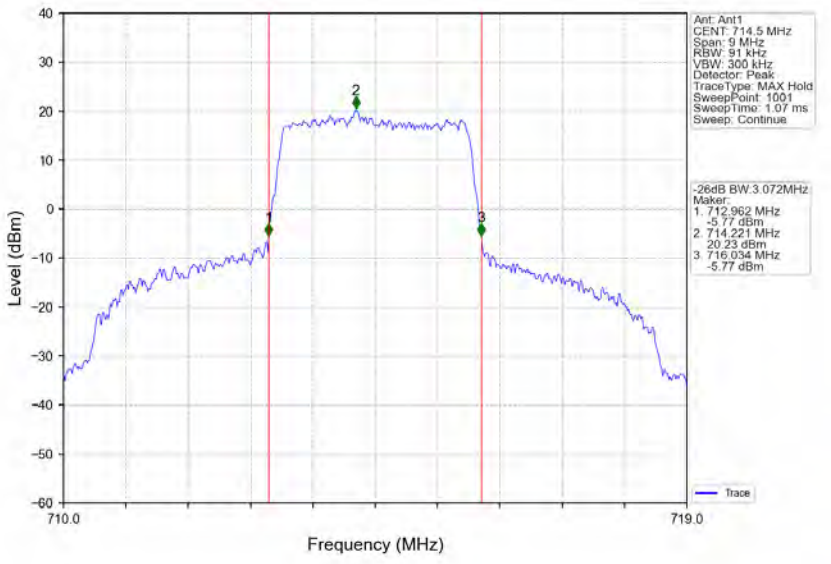
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



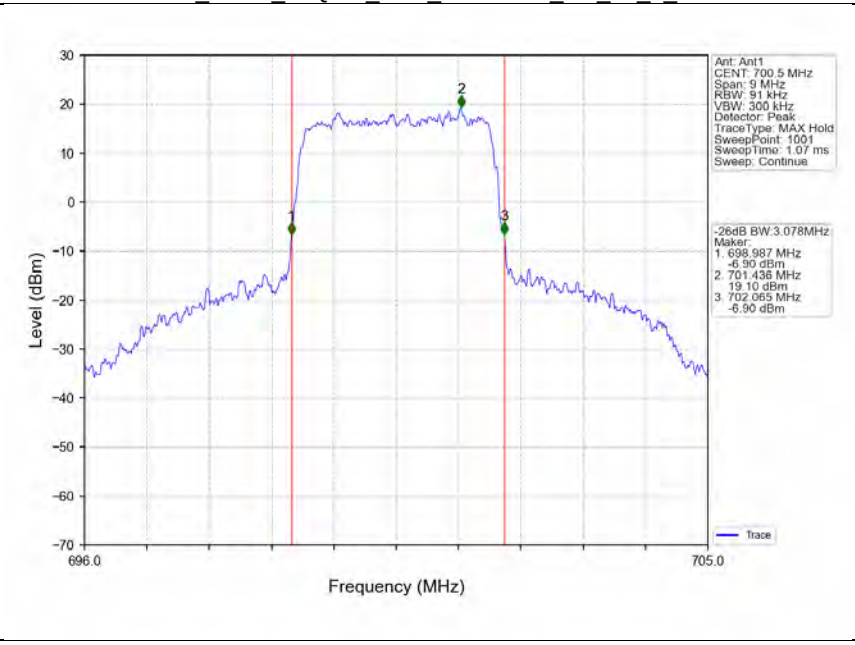
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



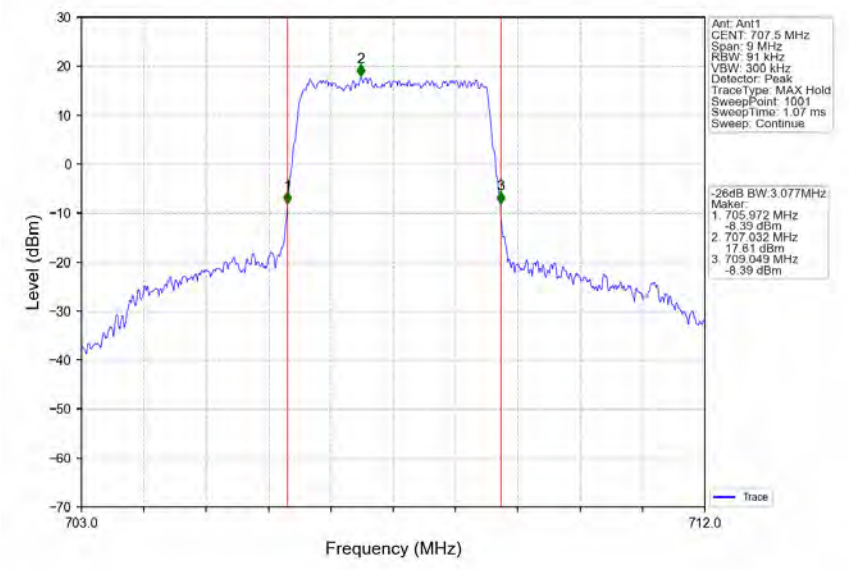
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



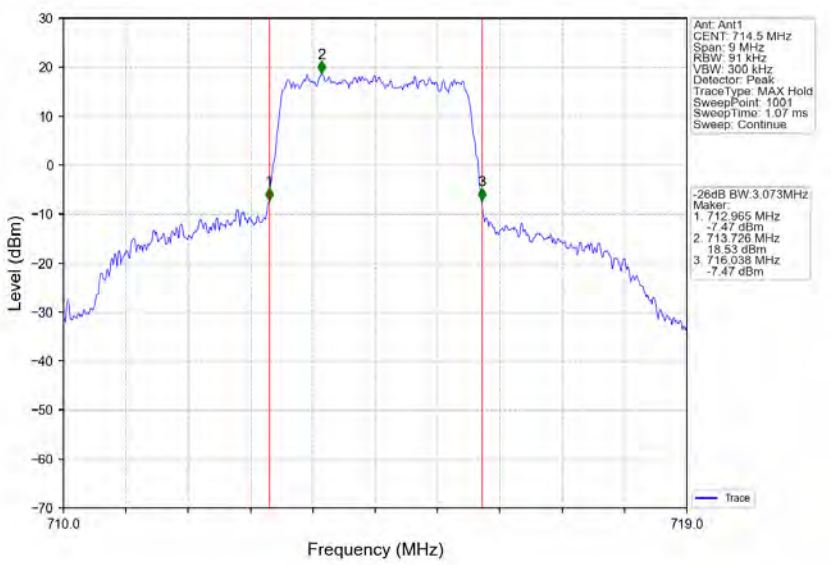
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



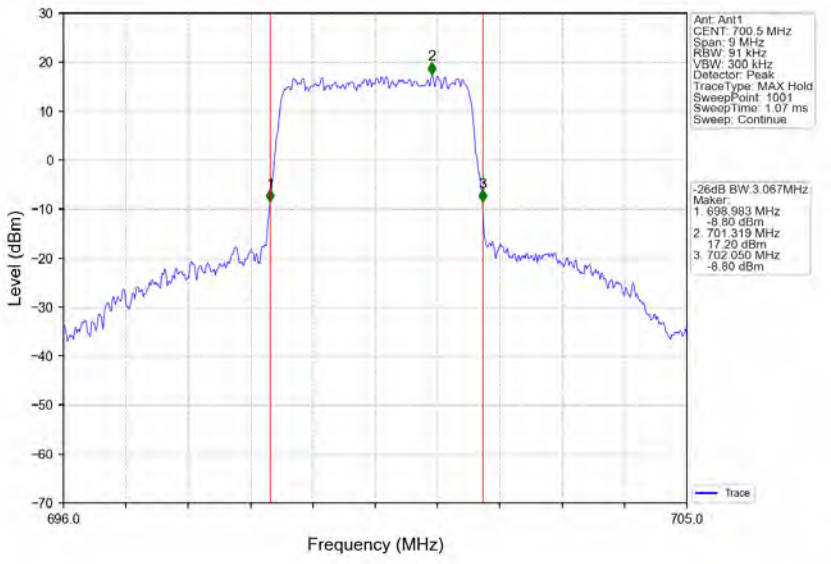
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



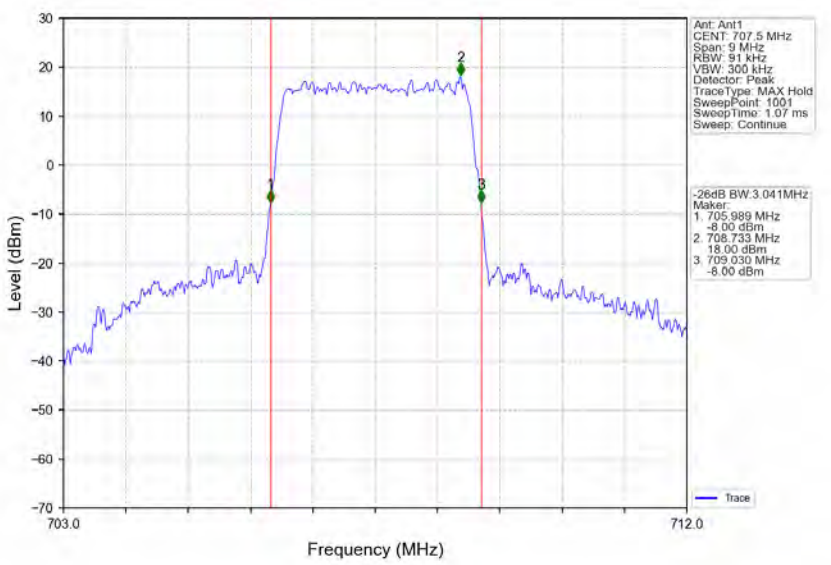
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



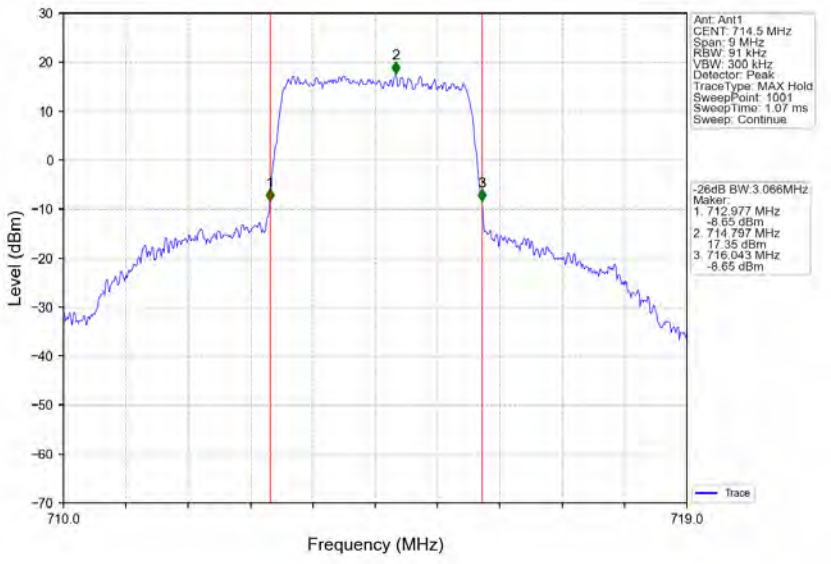
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



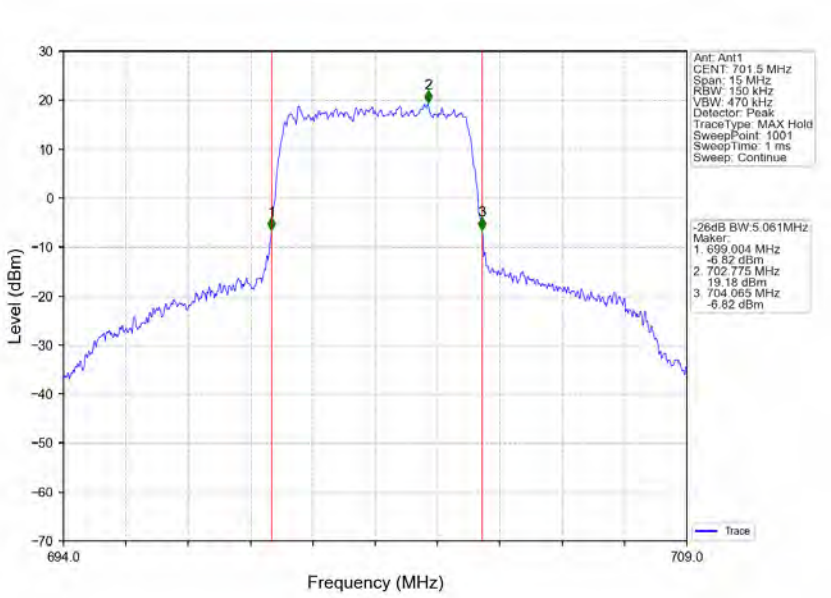
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



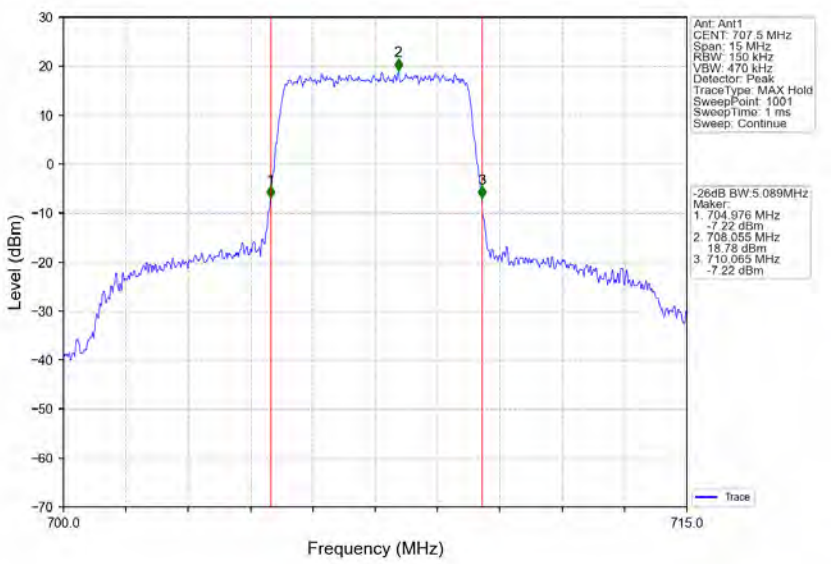
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



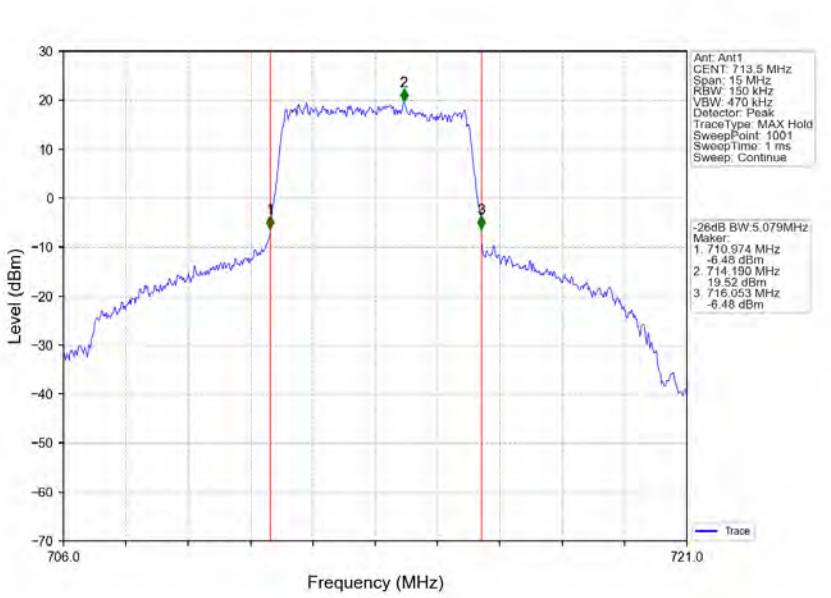
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



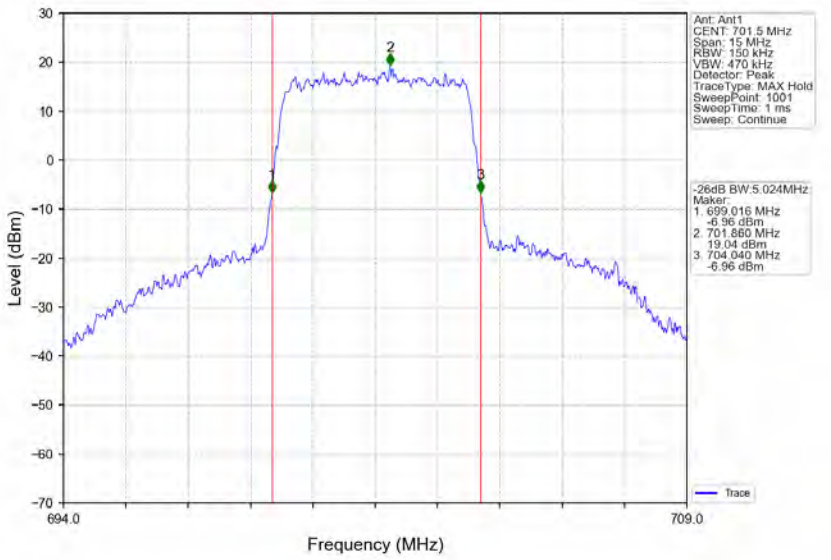
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



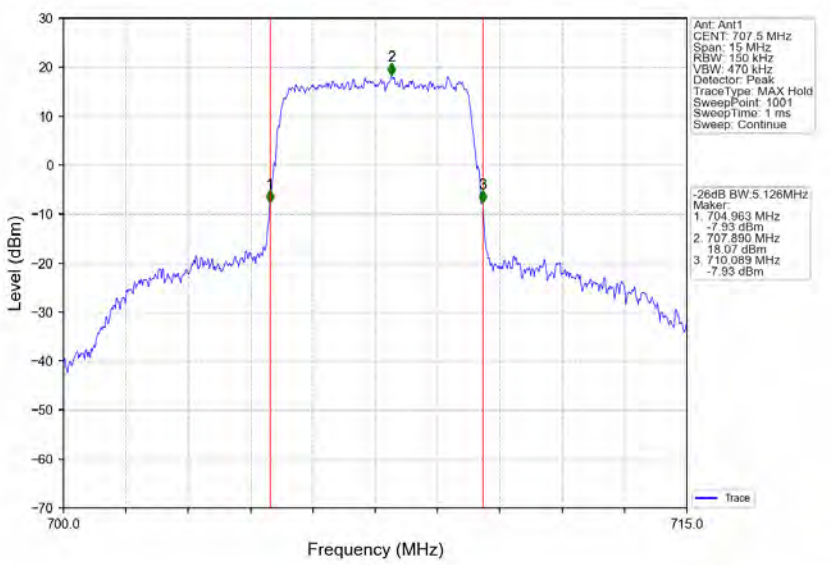
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



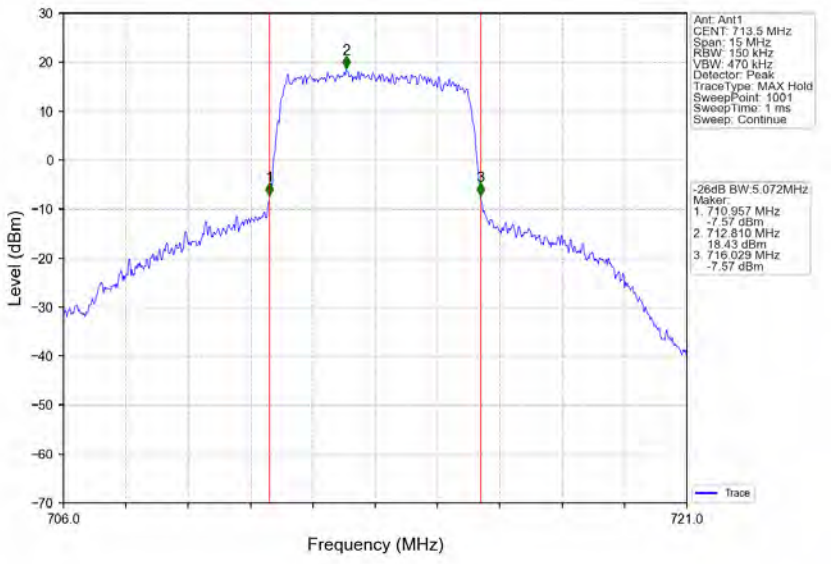
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



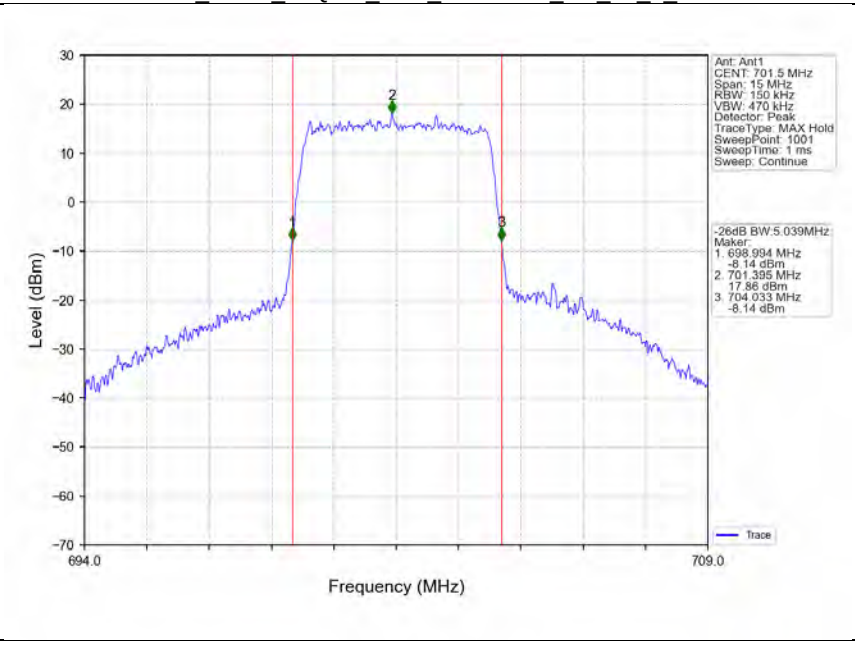
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



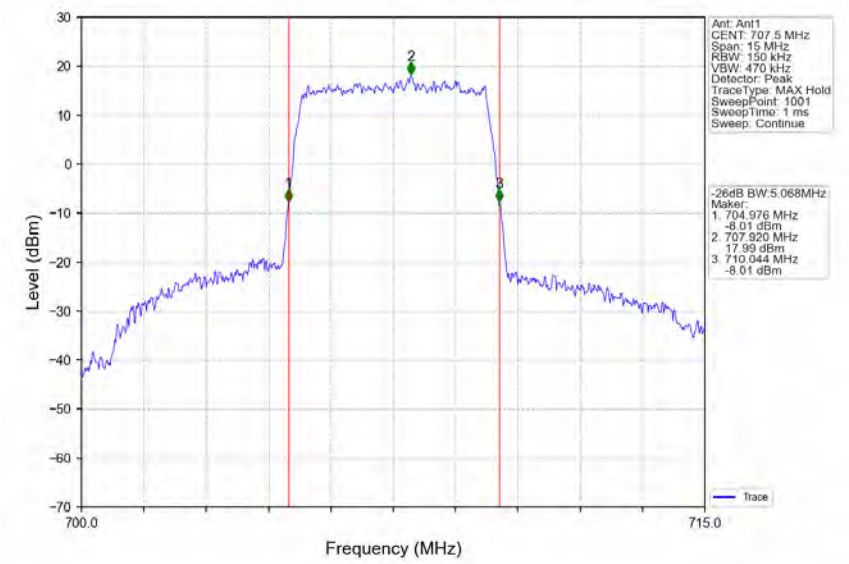
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

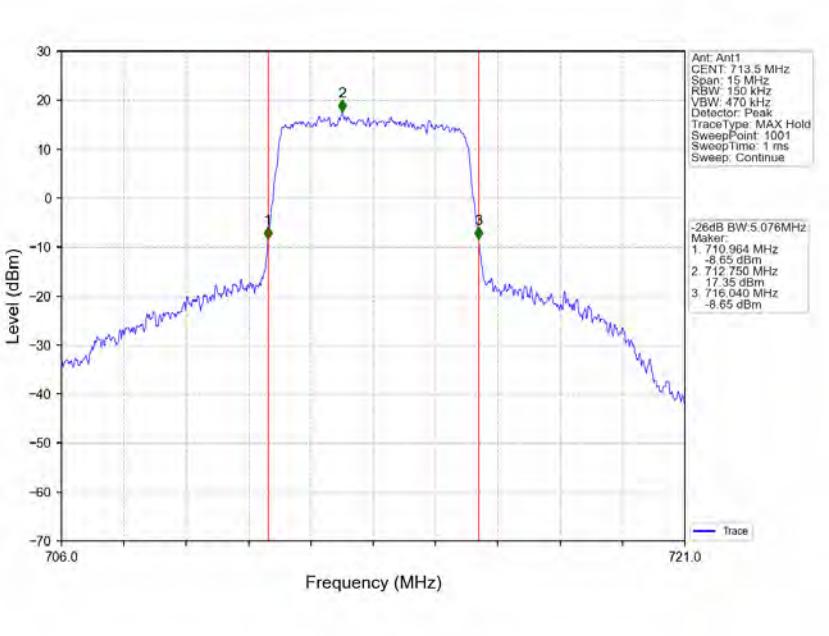
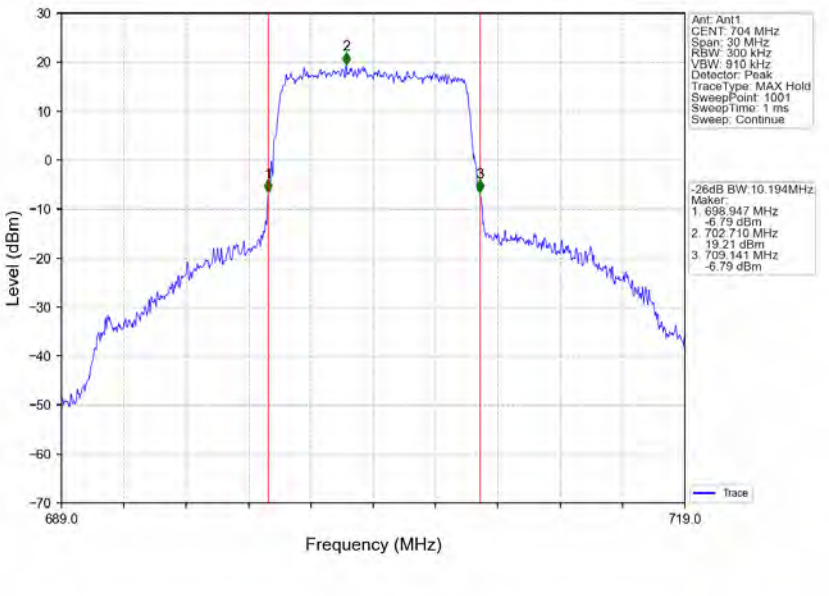


Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV

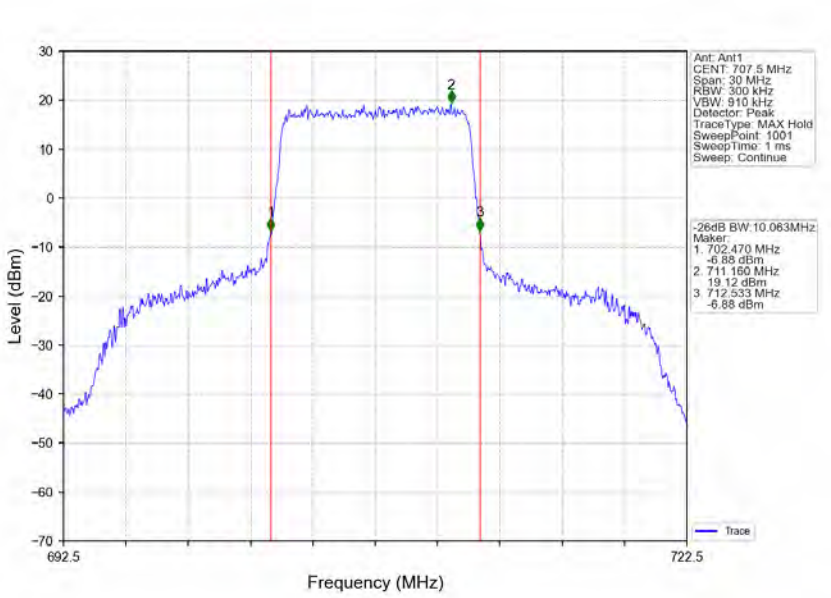


Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV

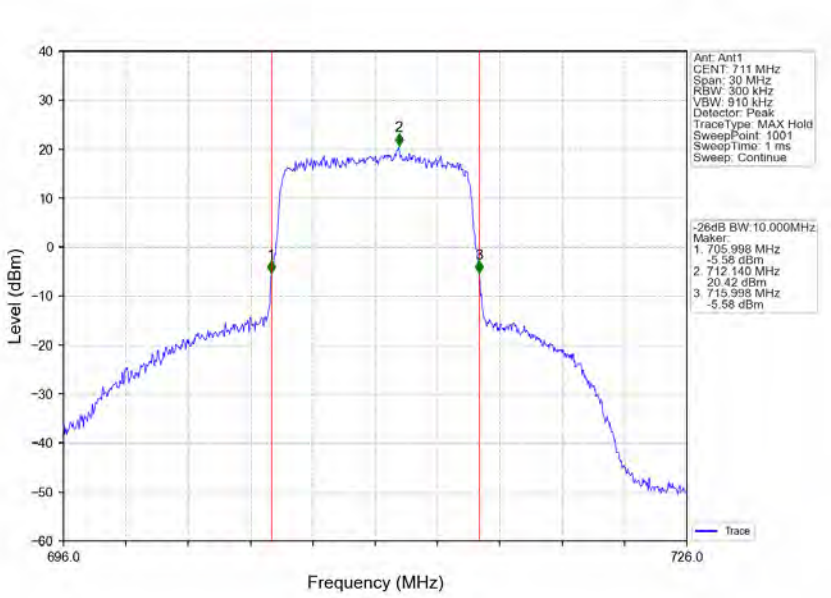


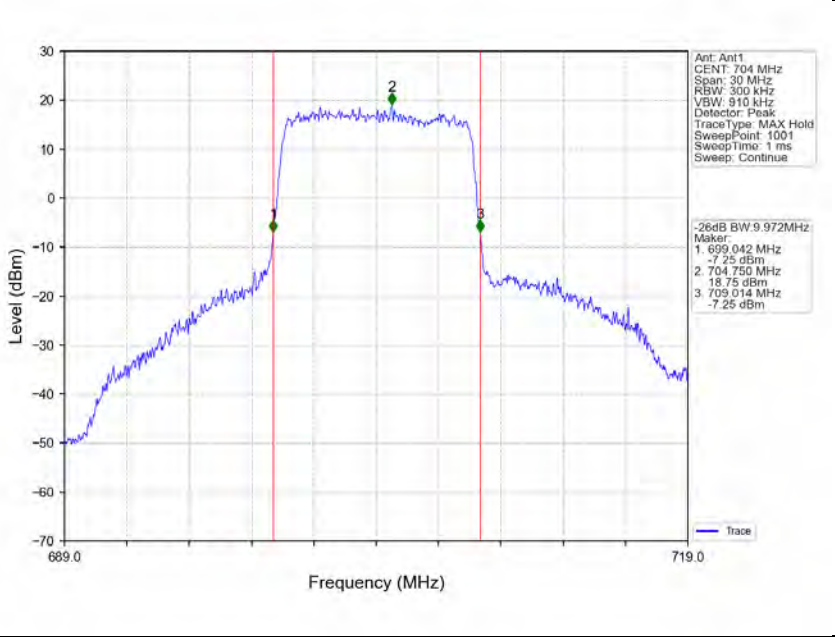
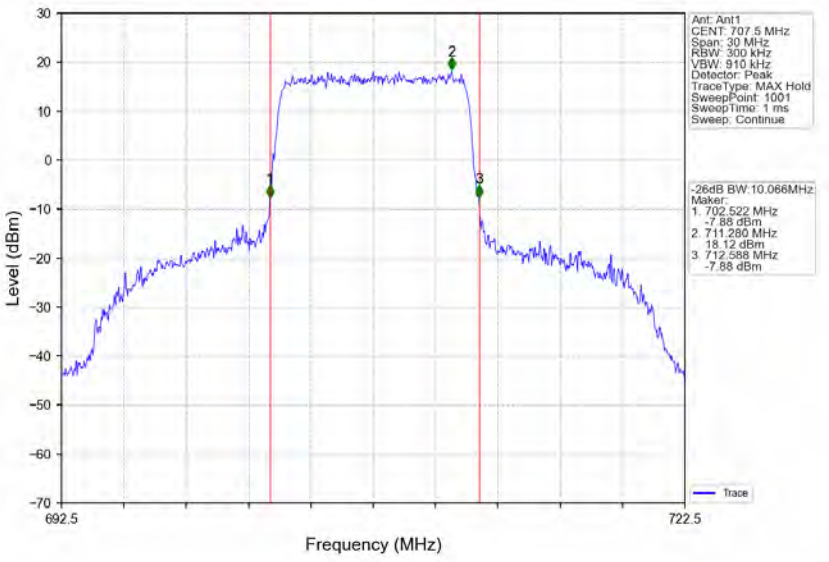
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV


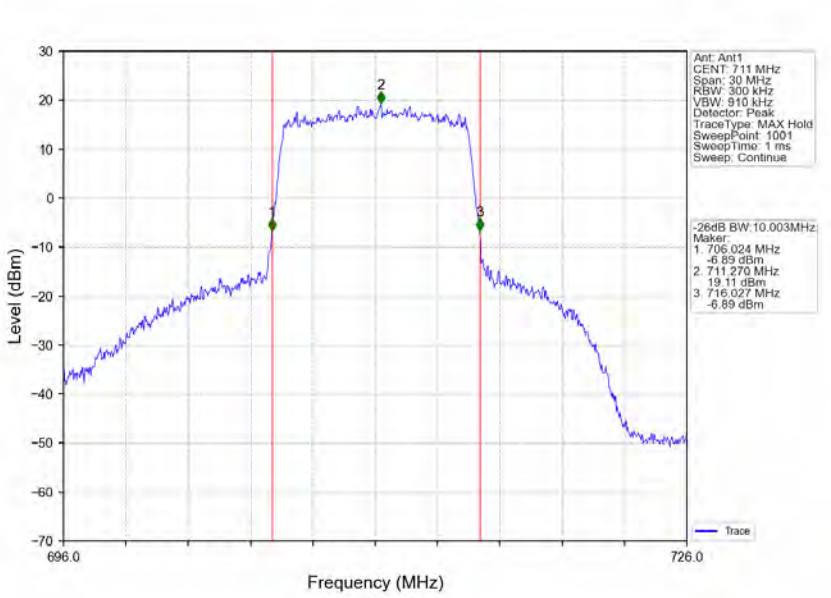
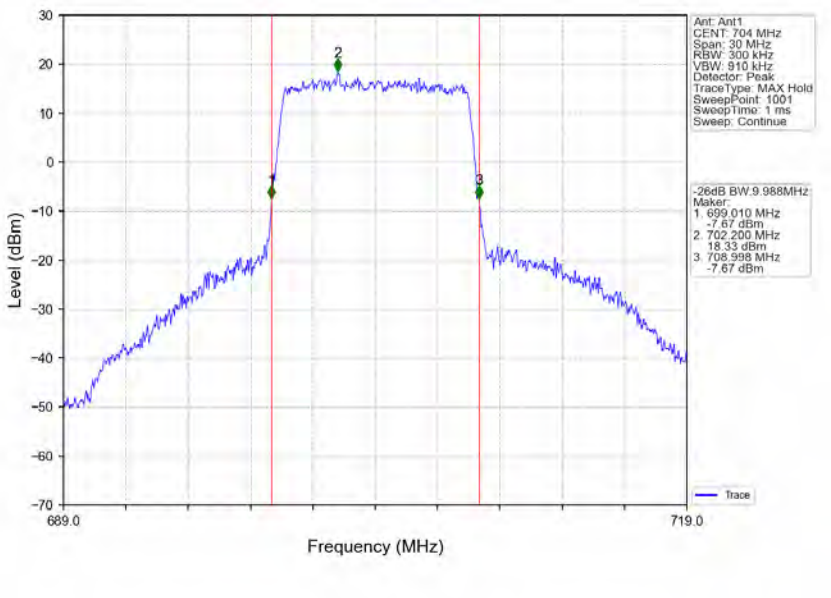
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



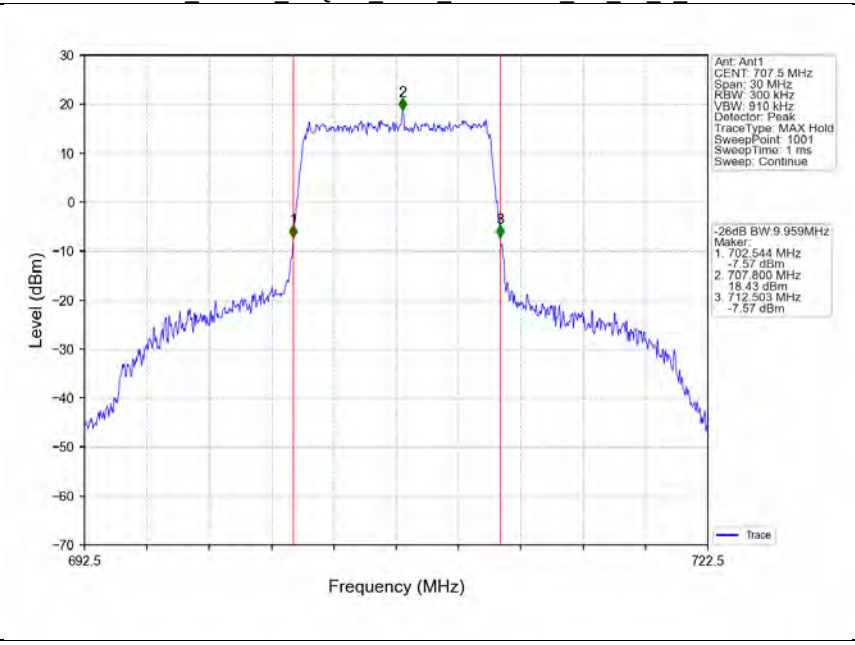
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



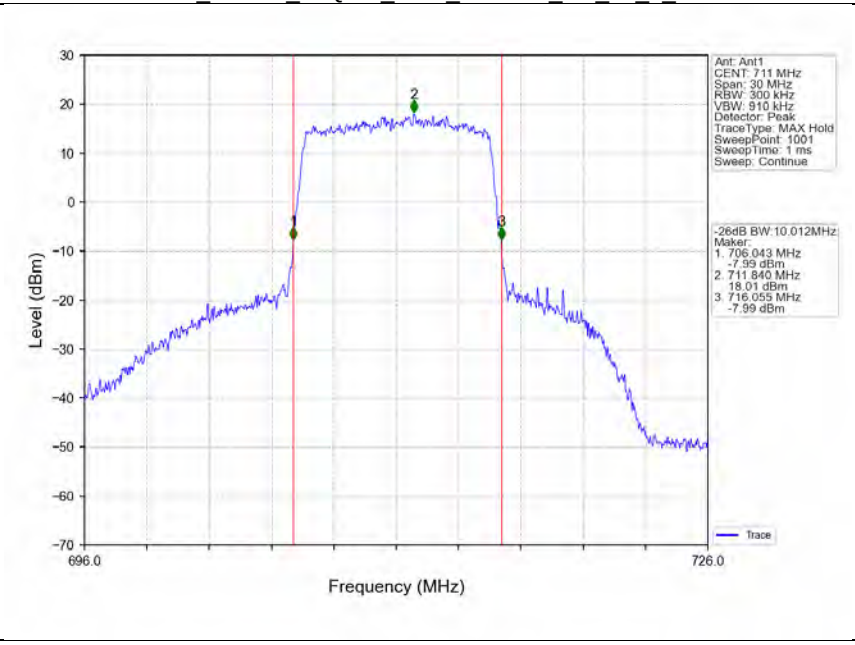
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV


Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



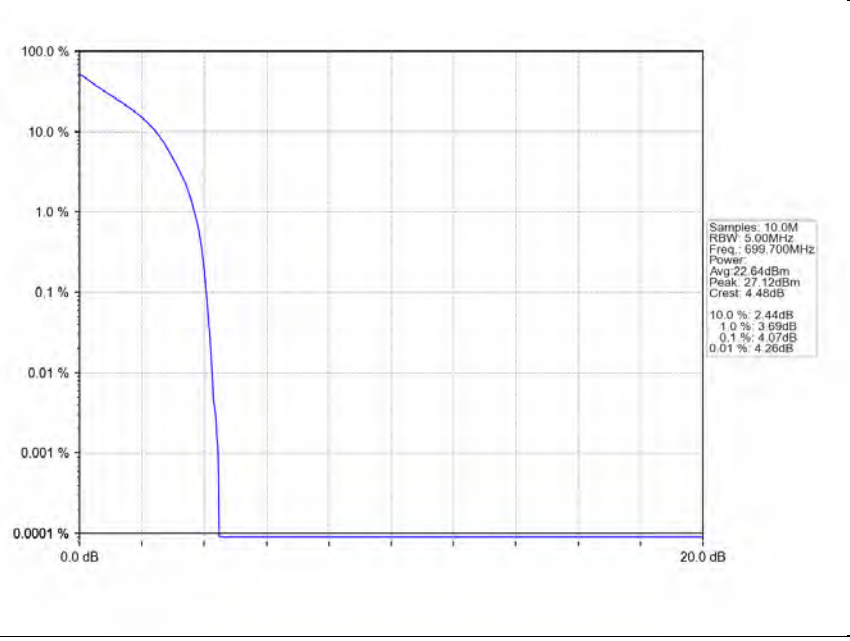
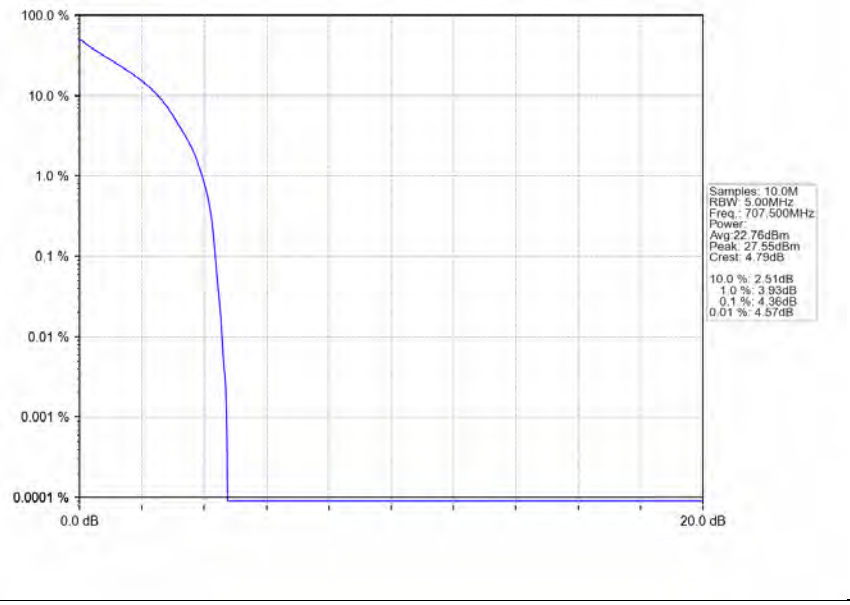
5. Peak-Average Ratio

5.1 B12_1.4MHz

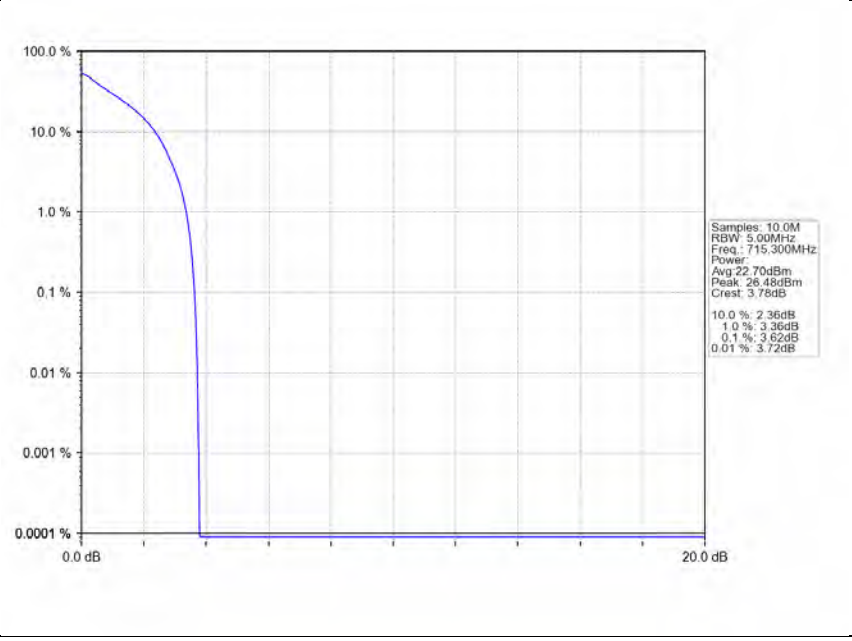
5.1.1 Test Result

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	4.07	<=13	Pass
	707.5	6	0	4.36	<=13	Pass
	715.3	6	0	3.62	<=13	Pass
16QAM	699.7	6	0	4.92	<=13	Pass
	707.5	6	0	5.22	<=13	Pass
	715.3	6	0	4.53	<=13	Pass
64QAM	699.7	6	0	5.61	<=13	Pass
	707.5	6	0	5.88	<=13	Pass
	715.3	6	0	5.26	<=13	Pass

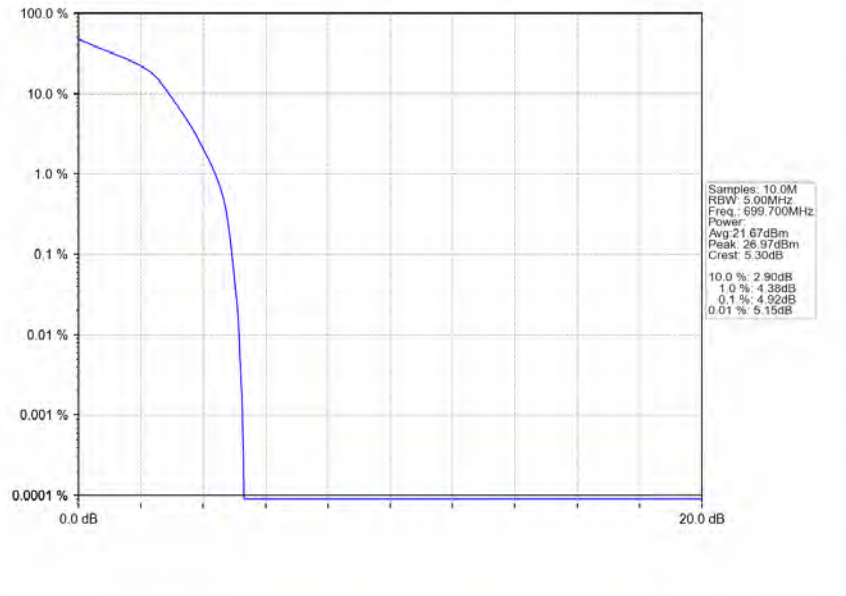
5.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


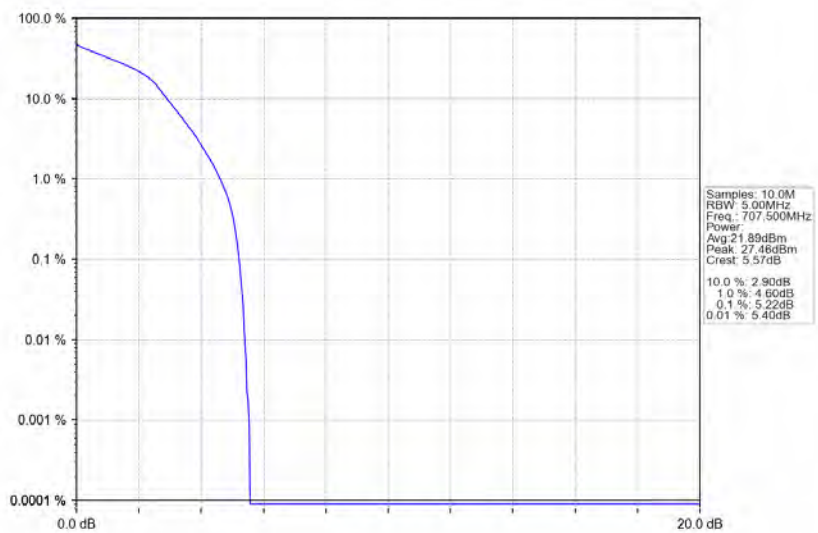
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



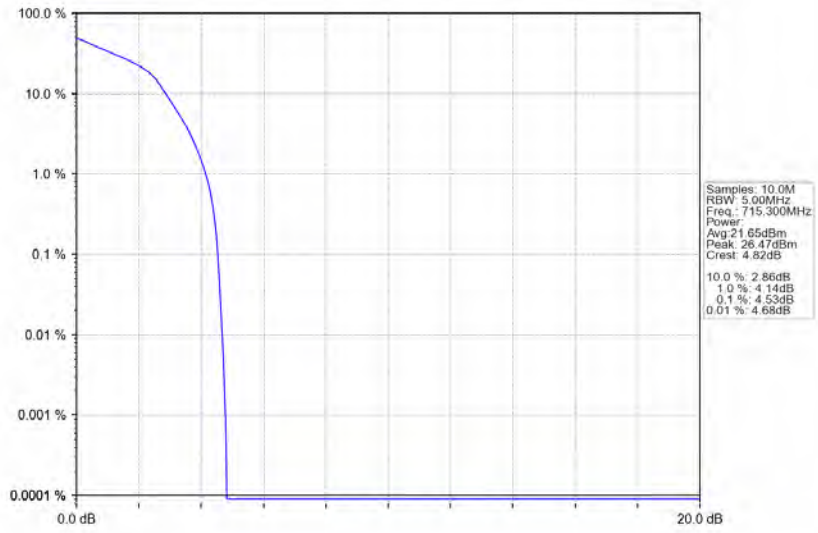
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



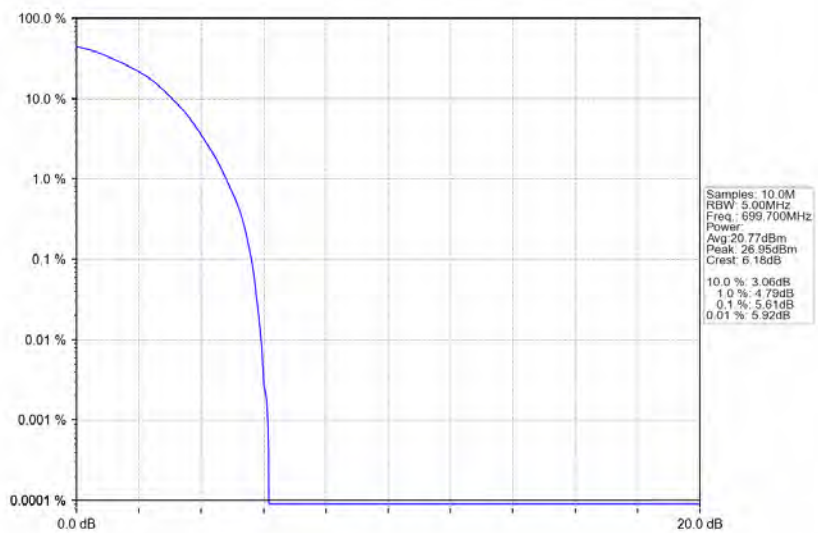
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

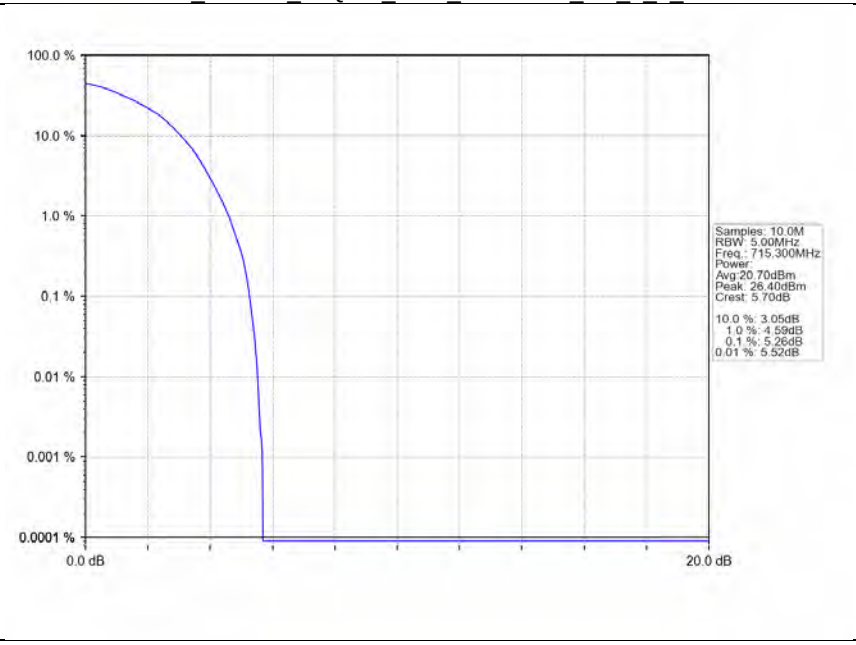


Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV

Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV

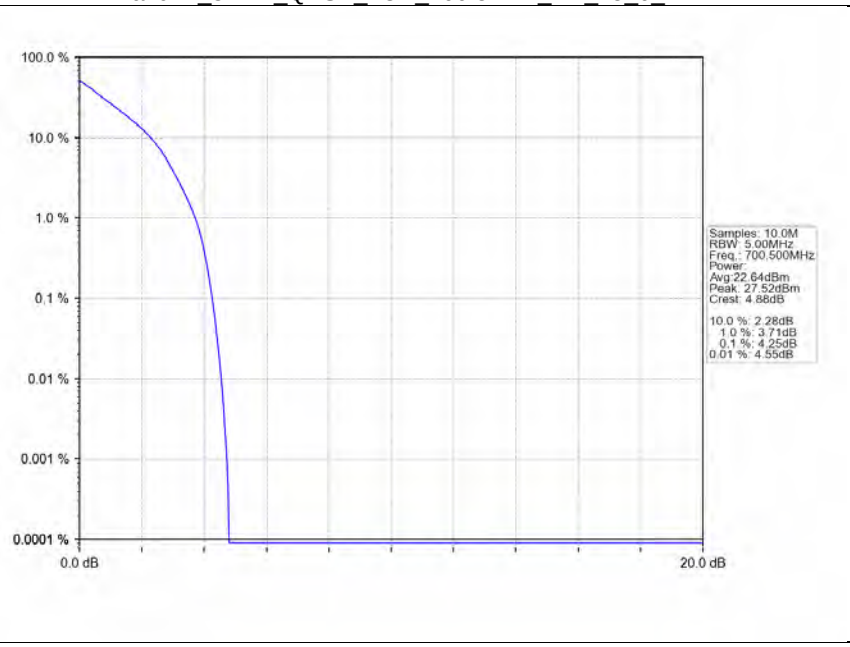
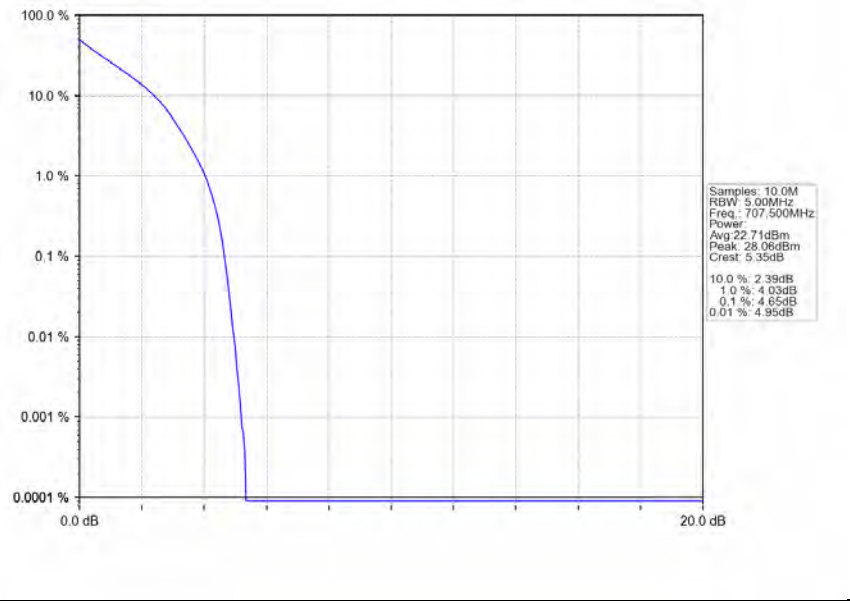


5.2 B12_3MHz

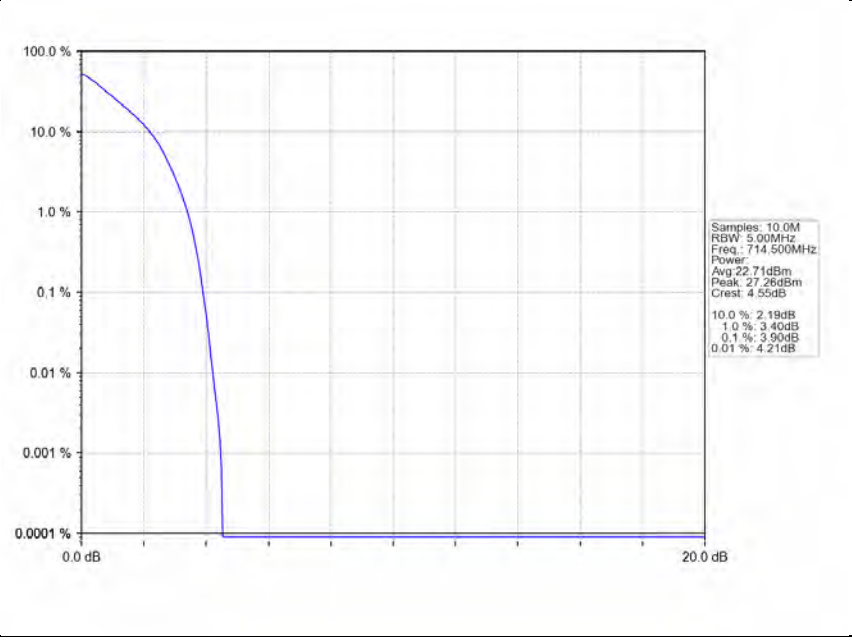
5.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	4.25	<=13	Pass
	707.5	15	0	4.65	<=13	Pass
	714.5	15	0	3.90	<=13	Pass
16QAM	700.5	15	0	5.10	<=13	Pass
	707.5	15	0	5.46	<=13	Pass
	714.5	15	0	4.62	<=13	Pass
64QAM	700.5	15	0	5.69	<=13	Pass
	707.5	15	0	6.18	<=13	Pass
	714.5	15	0	5.29	<=13	Pass

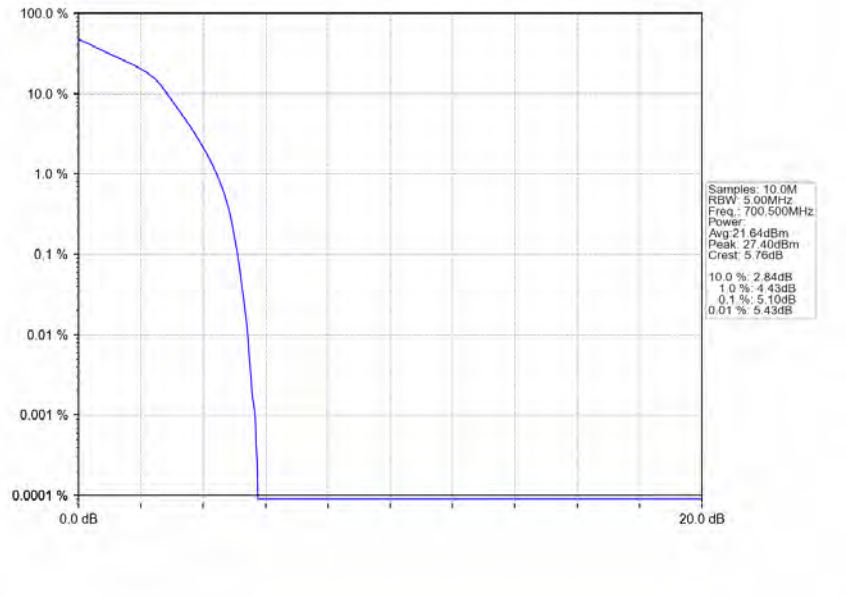
5.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV


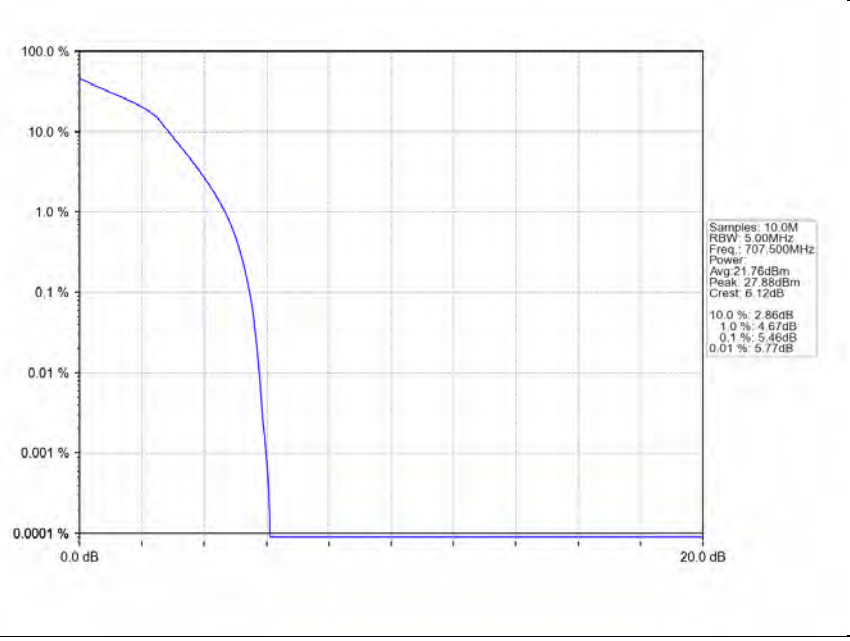
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



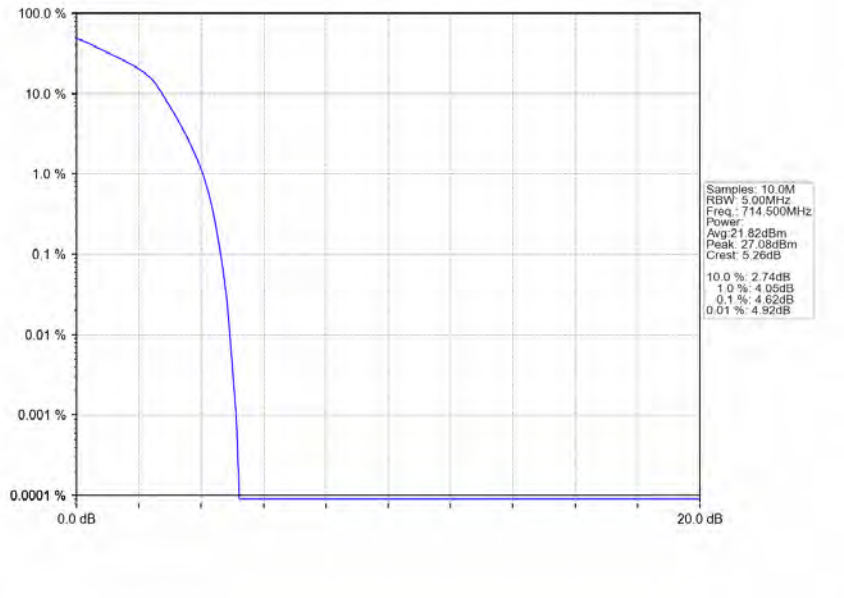
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



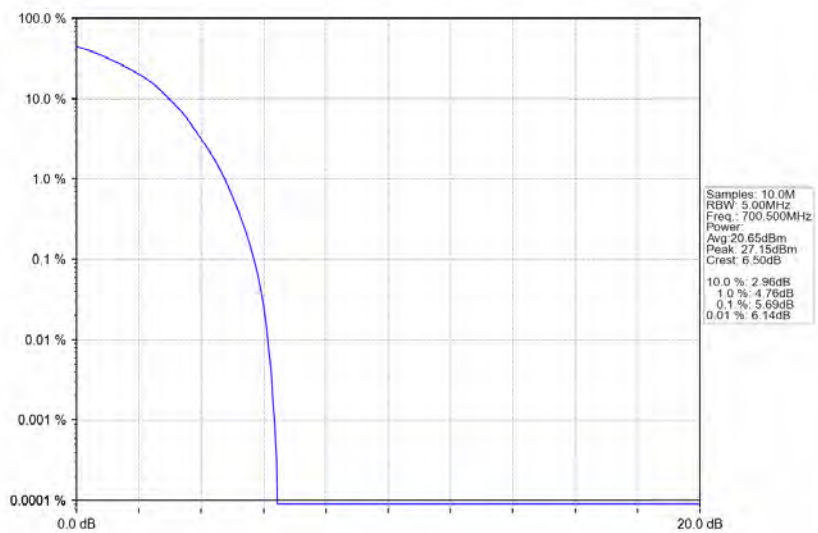
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



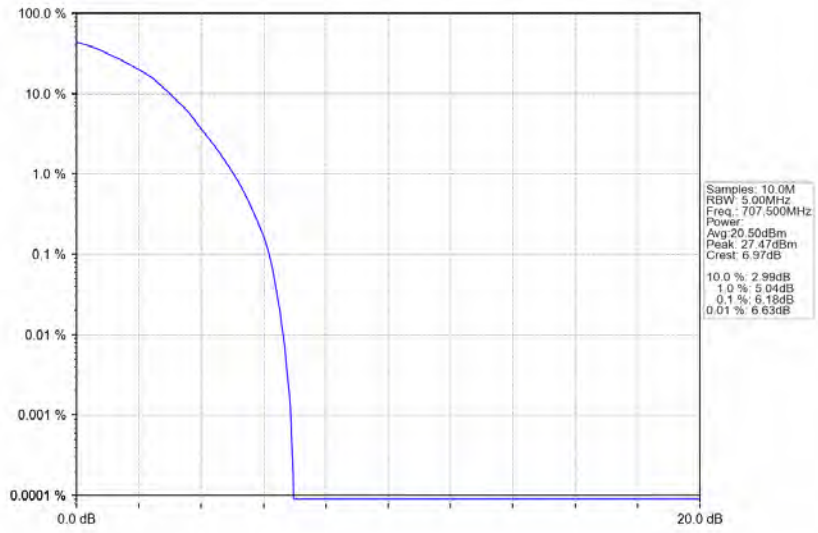
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



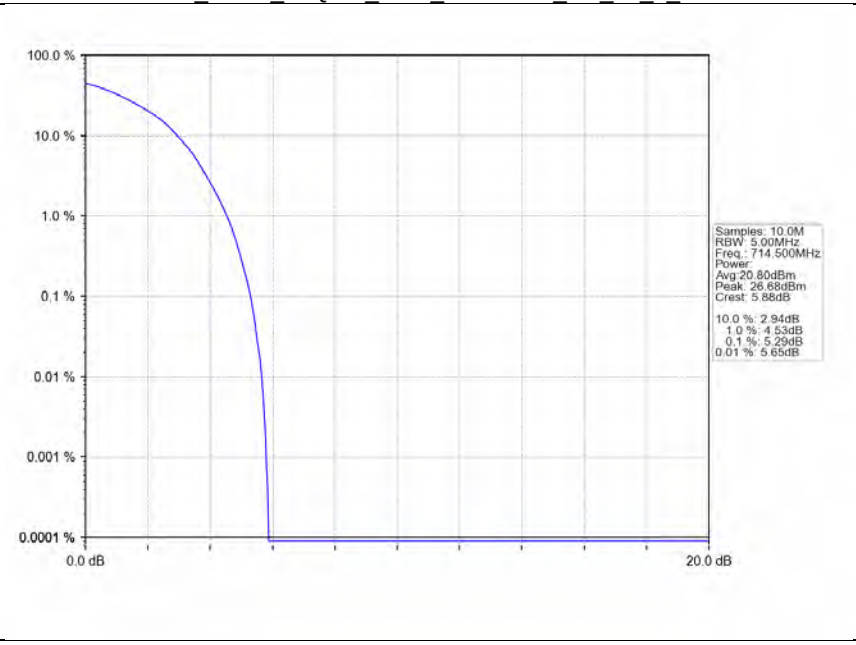
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV

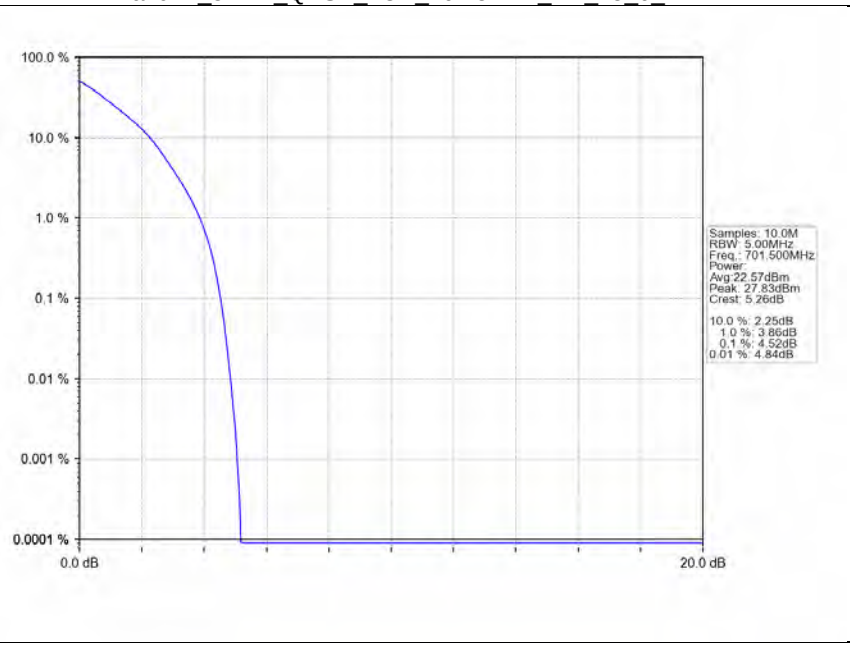
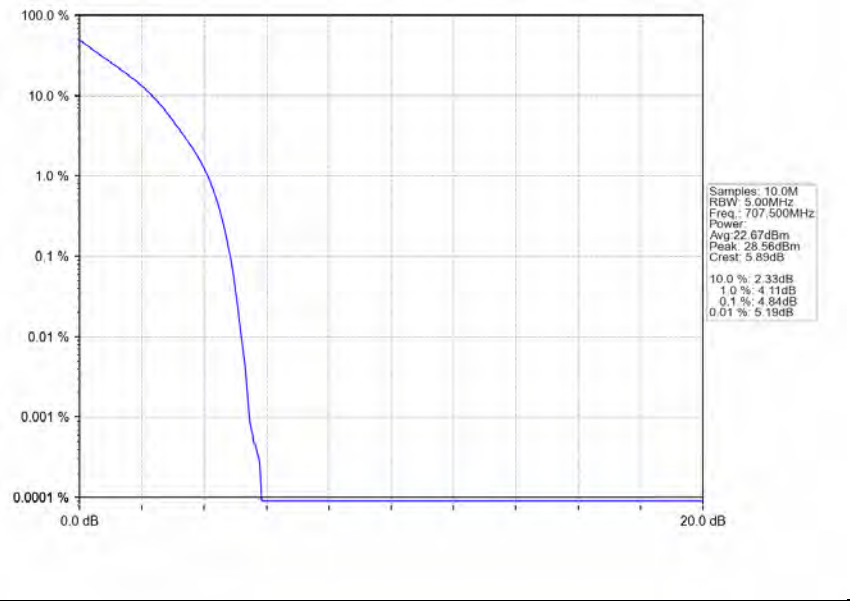


5.3 B12_5MHz

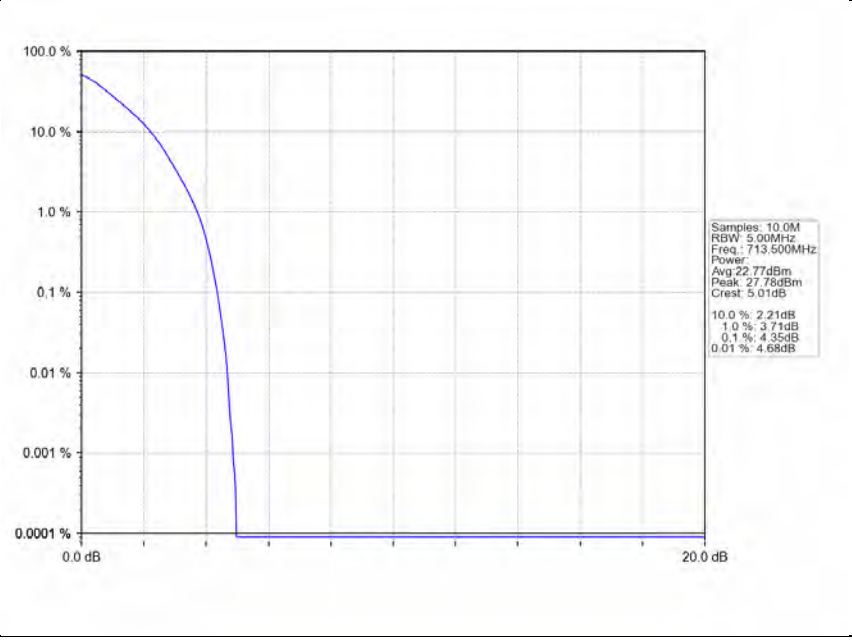
5.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	4.52	<=13	Pass
	707.5	25	0	4.84	<=13	Pass
	713.5	25	0	4.35	<=13	Pass
16QAM	701.5	25	0	5.25	<=13	Pass
	707.5	25	0	5.61	<=13	Pass
	713.5	25	0	5.15	<=13	Pass
64QAM	701.5	25	0	5.84	<=13	Pass
	707.5	25	0	6.15	<=13	Pass
	713.5	25	0	5.71	<=13	Pass

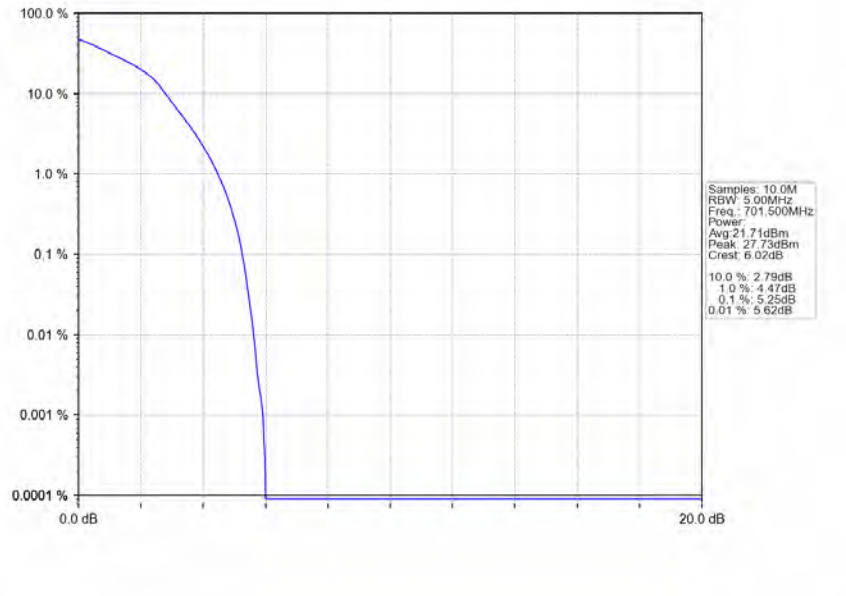
5.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV


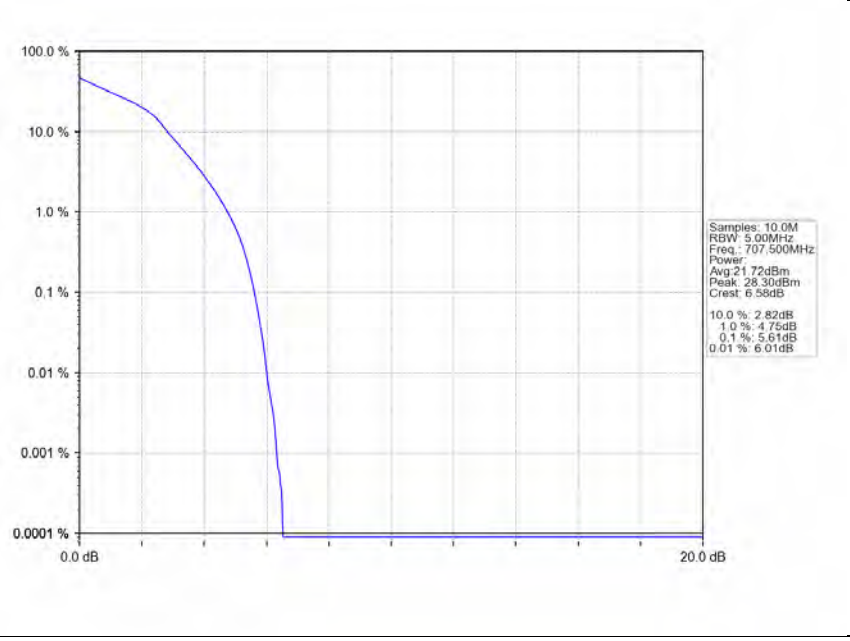
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



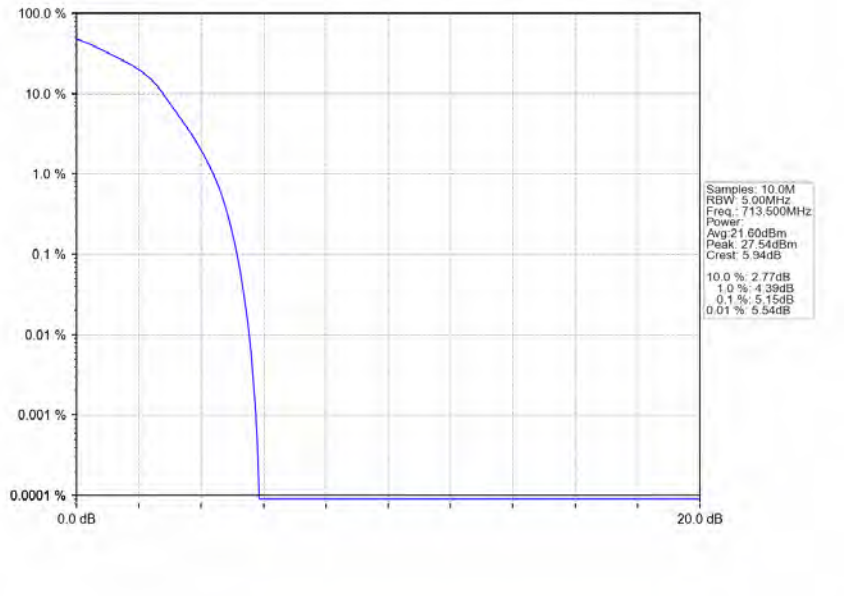
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



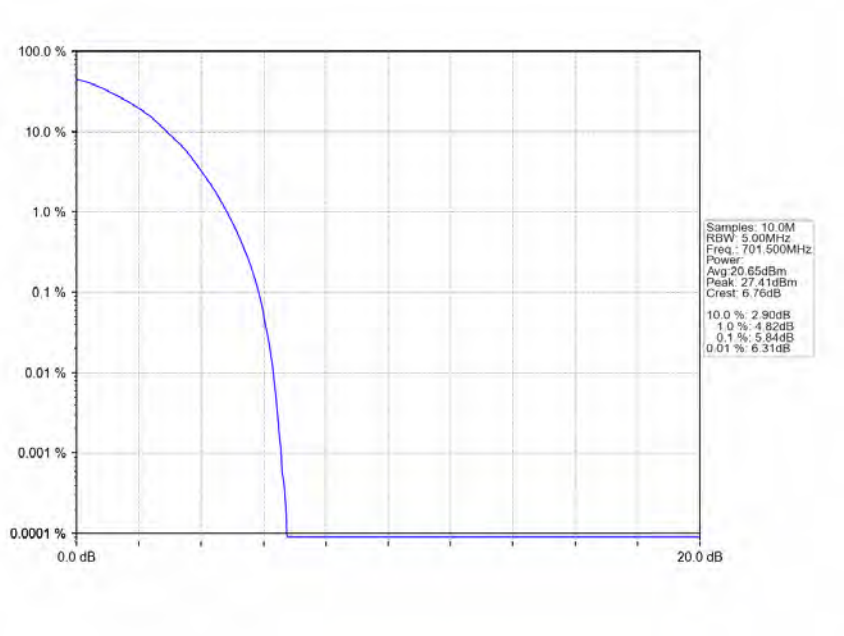
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



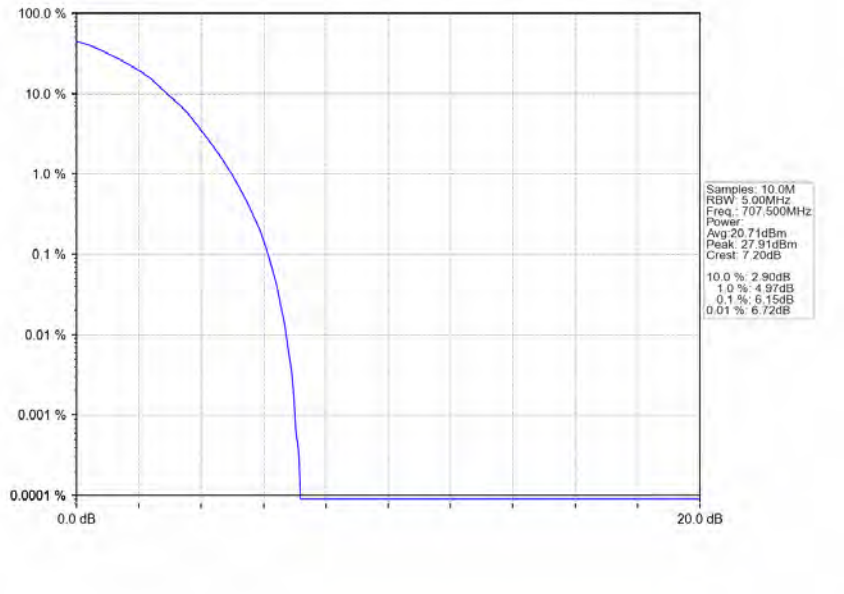
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



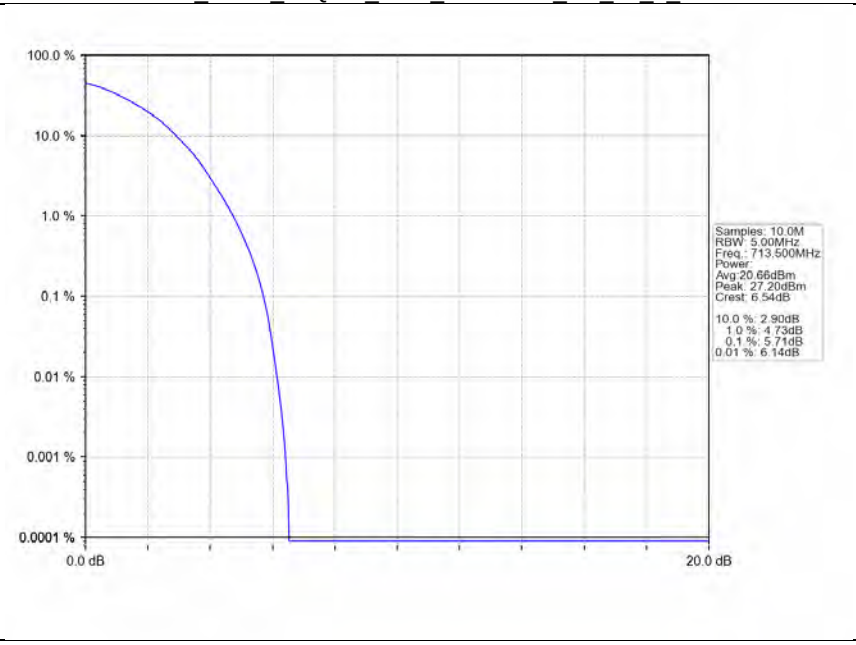
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

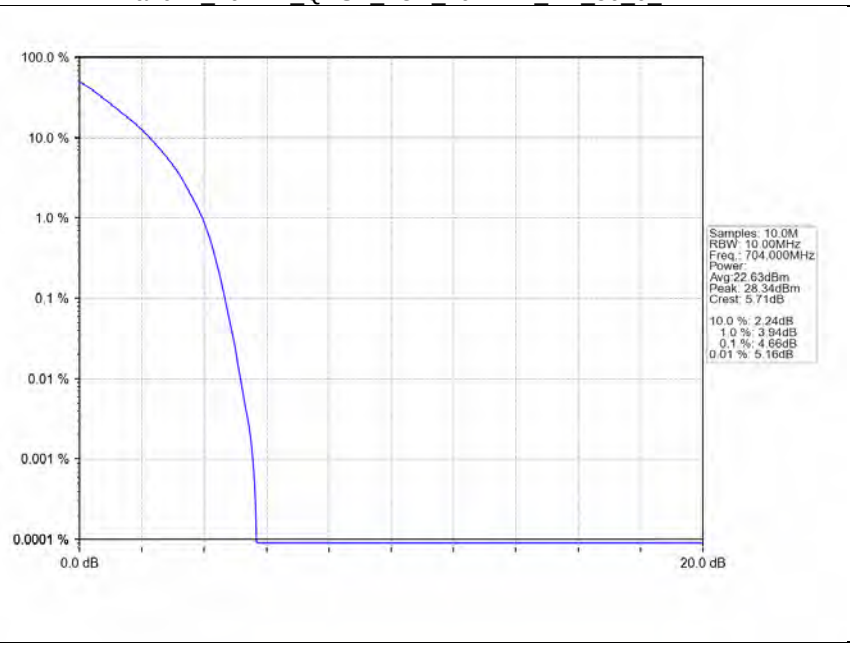
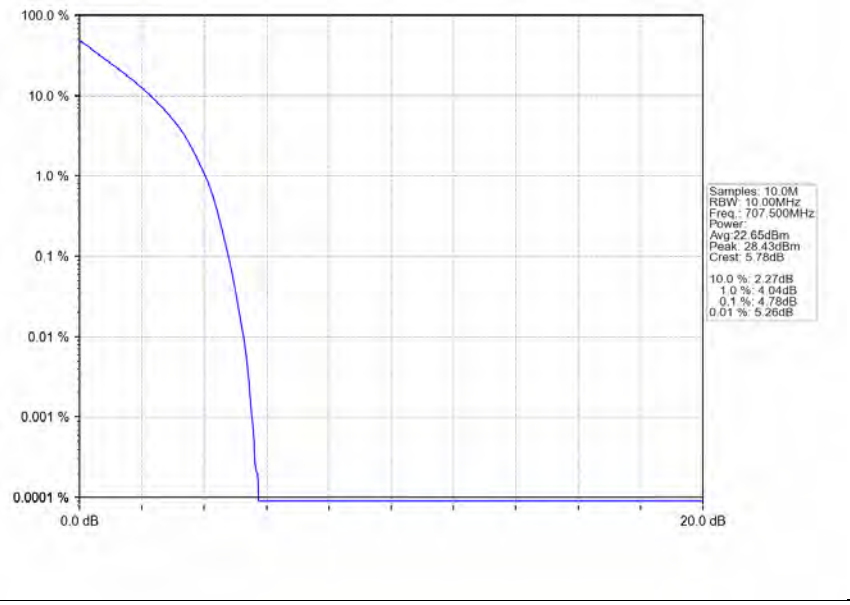


5.4 B12_10MHz

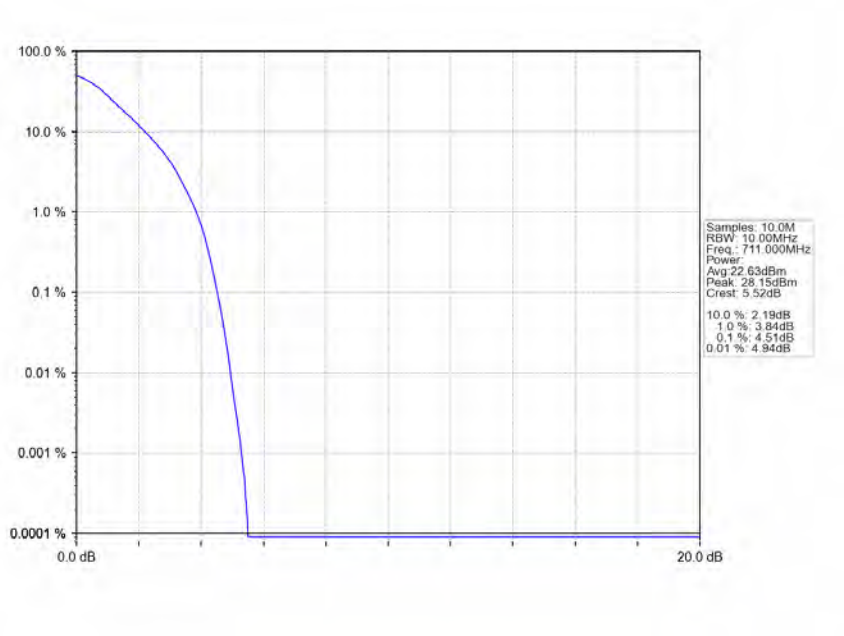
5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.66	<=13	Pass
	707.5	50	0	4.78	<=13	Pass
	711	50	0	4.51	<=13	Pass
16QAM	704	50	0	5.46	<=13	Pass
	707.5	50	0	5.60	<=13	Pass
	711	50	0	5.30	<=13	Pass
64QAM	704	50	0	5.97	<=13	Pass
	707.5	50	0	6.09	<=13	Pass
	711	50	0	5.87	<=13	Pass

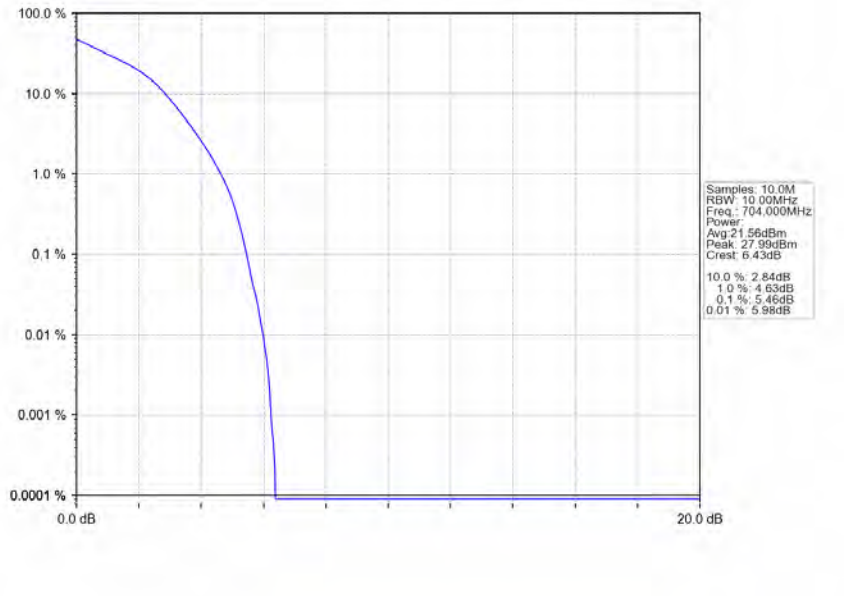
5.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV


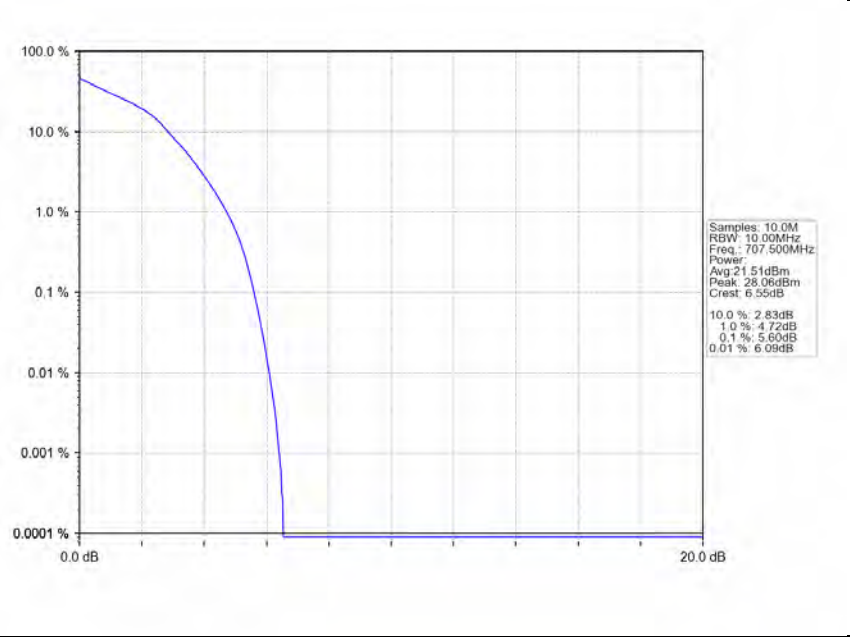
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



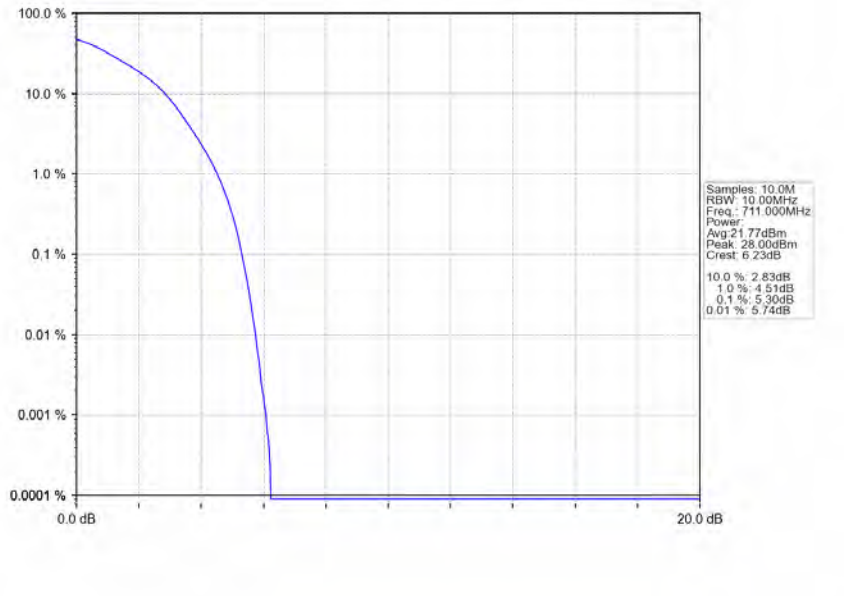
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



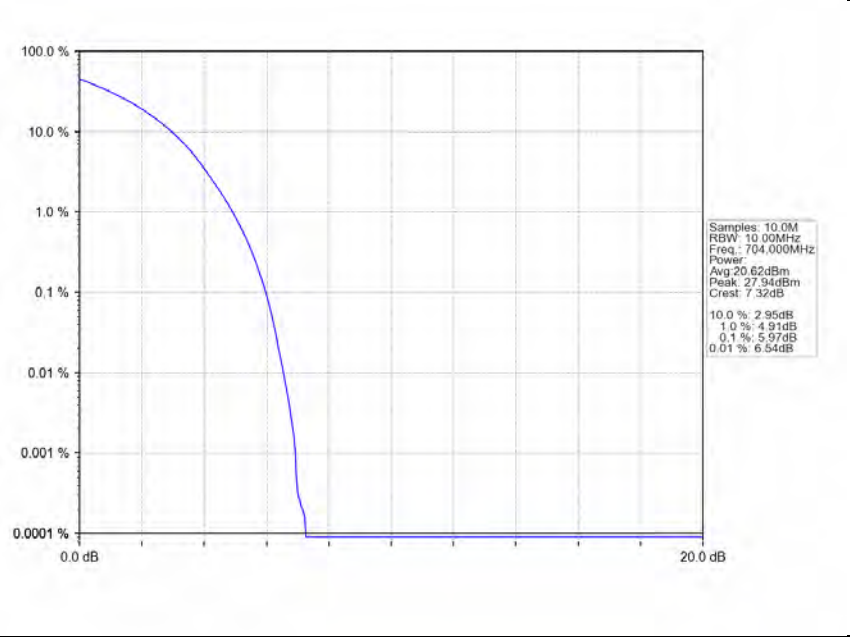
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



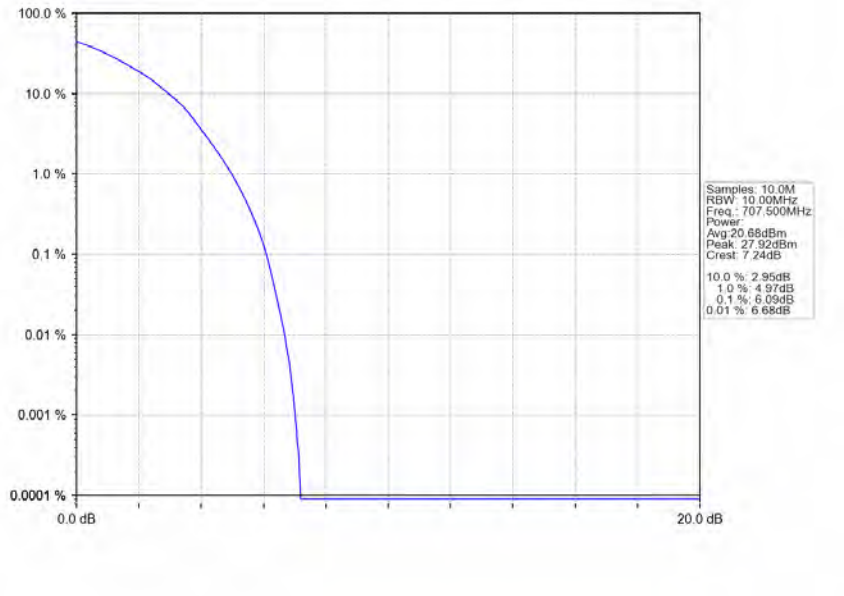
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



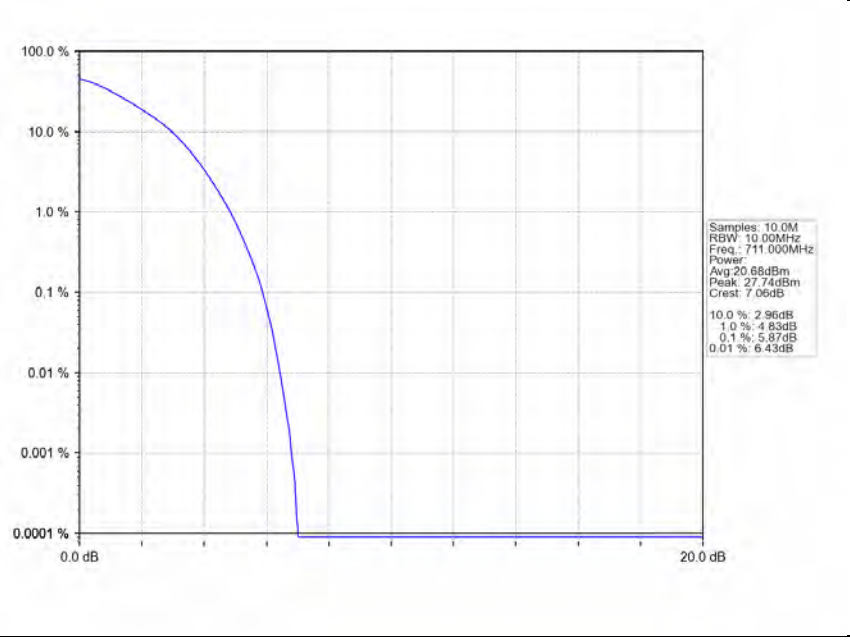
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

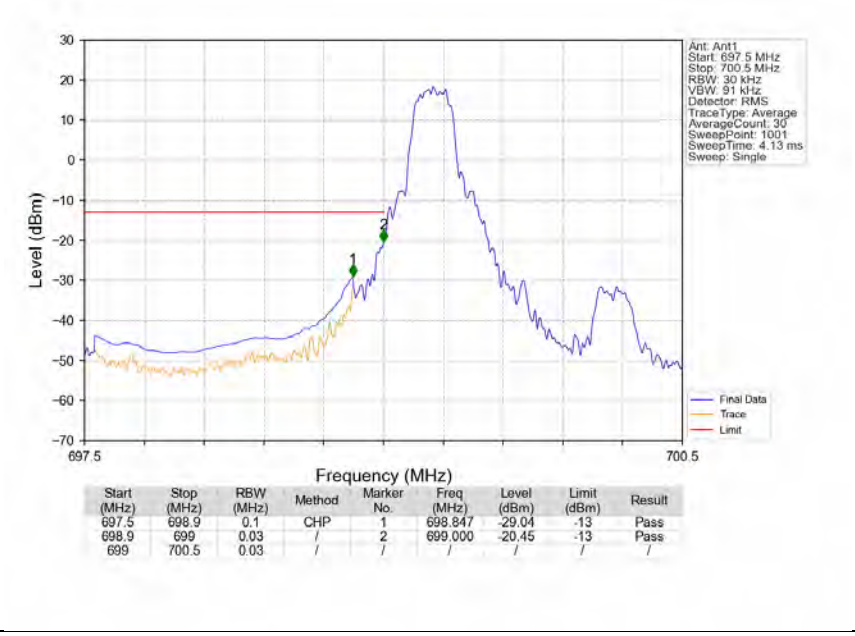
6.1 B12_1.4MHz

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
64QAM	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

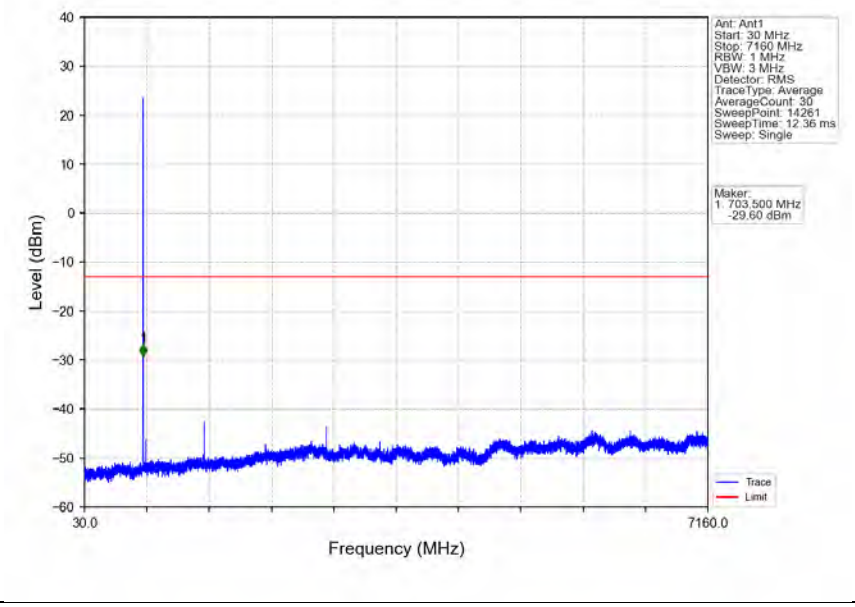
6.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

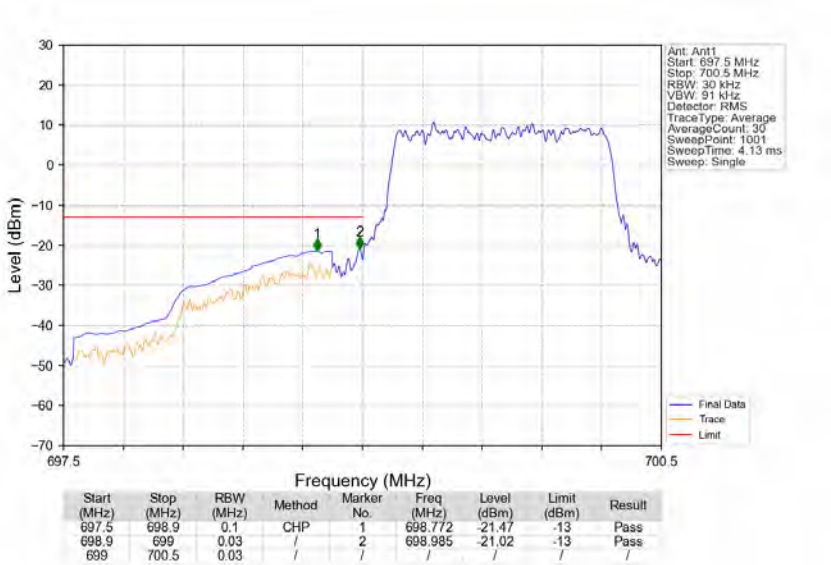


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-29.04	-13	Pass
698.9	699	0.03	/	2	699.000	-20.45	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

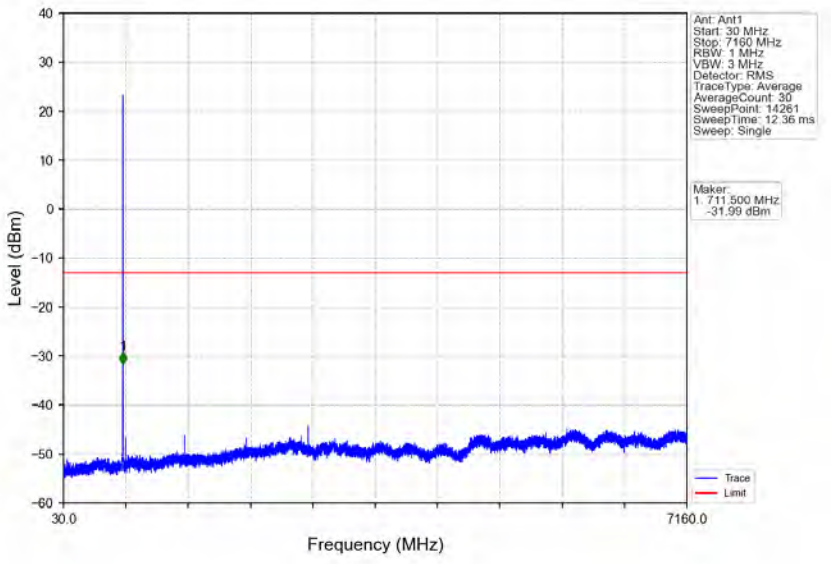


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

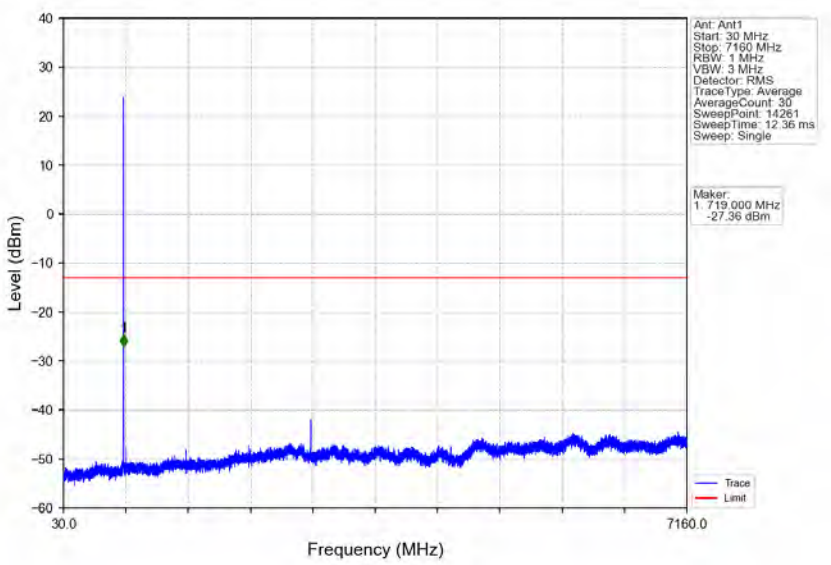


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.772	-21.47	-13	Pass
698.9	699	0.03	/	2	698.985	-21.02	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

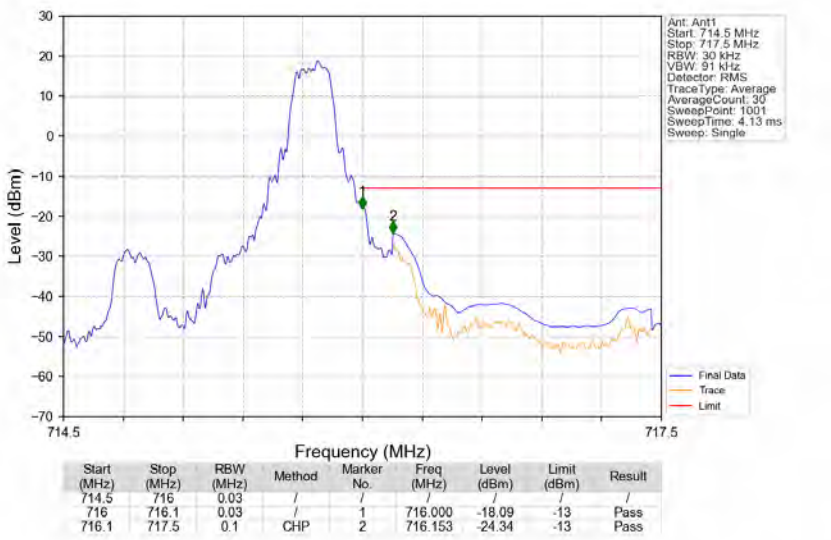
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

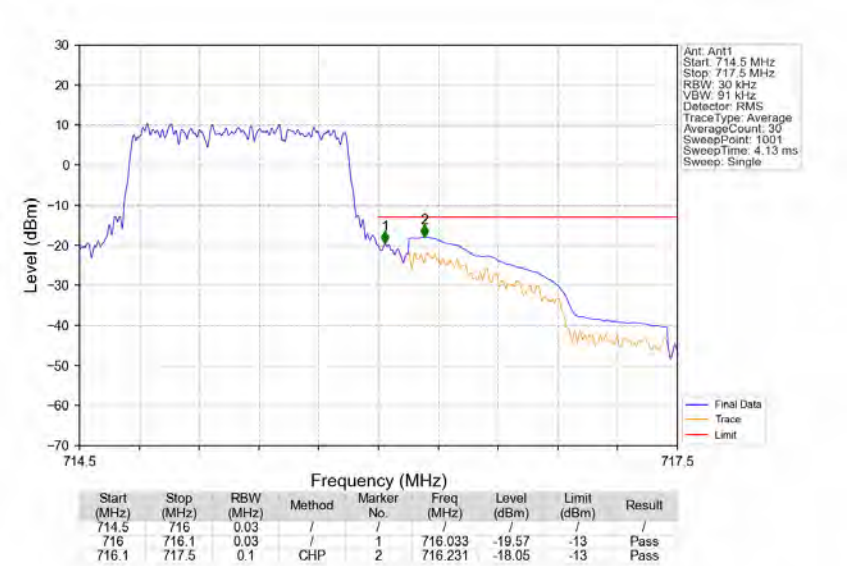


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



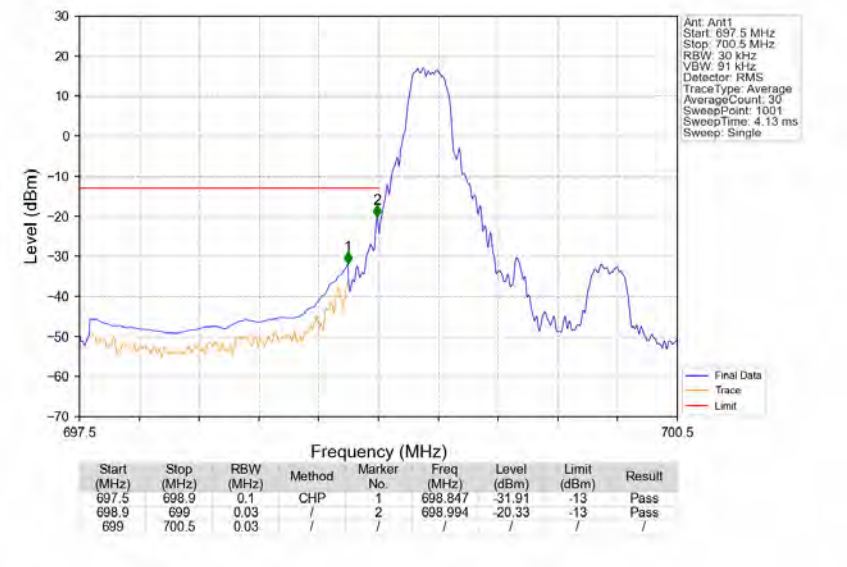
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-18.09	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-24.34	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



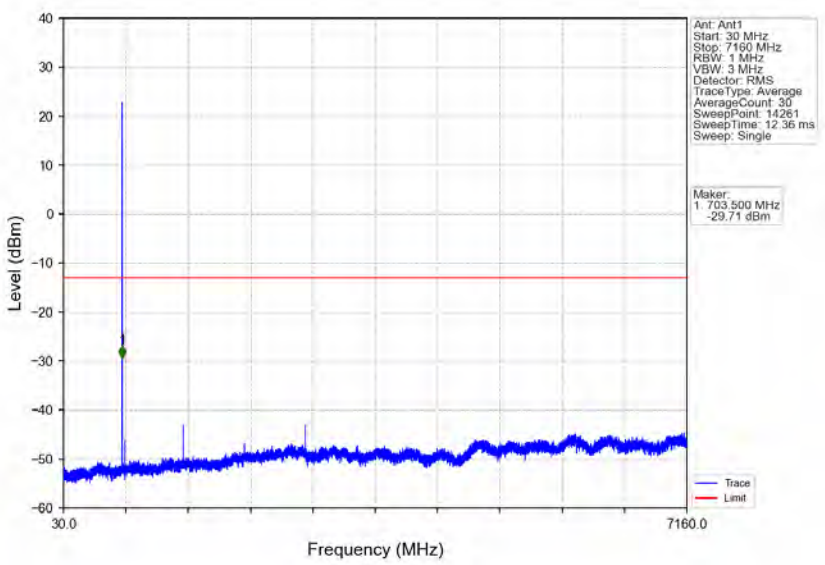
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.033	-19.57	-13	Pass
716.1	717.5	0.1	CHP	2	716.231	-18.05	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

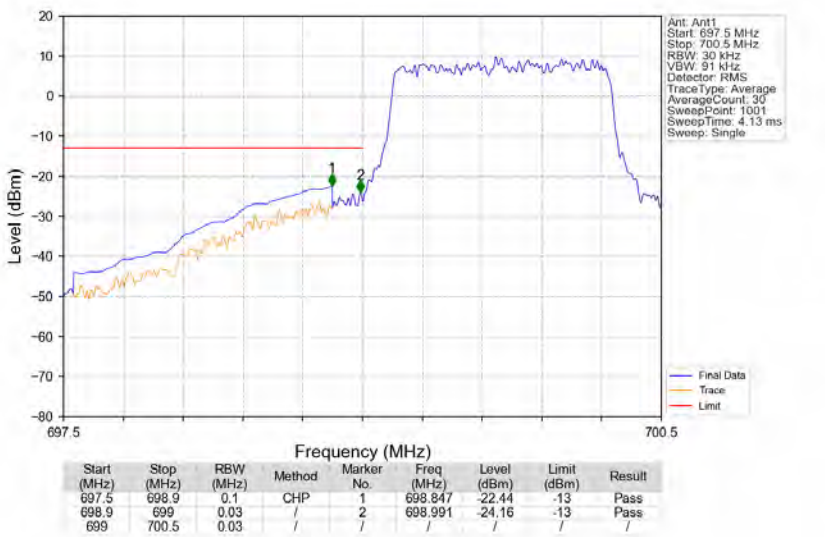


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-31.91	-13	Pass
698.9	699	0.03	/	2	698.994	-20.33	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

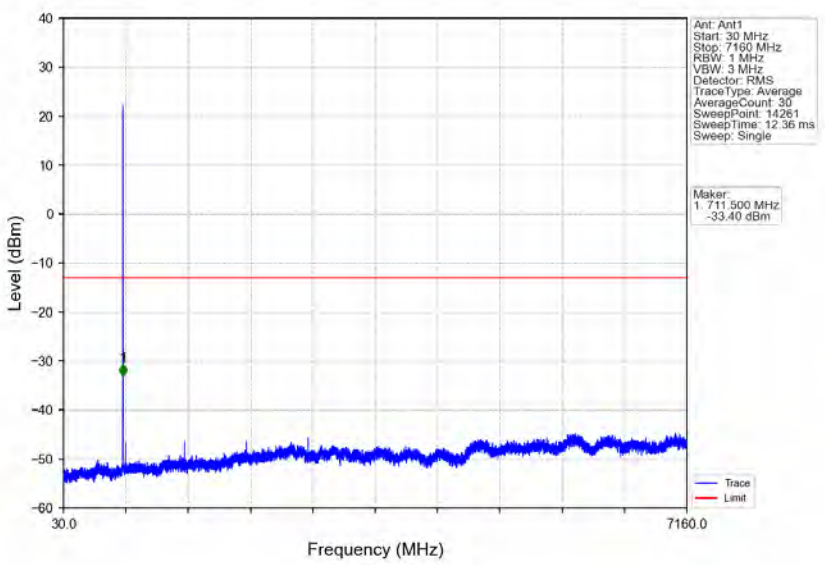


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

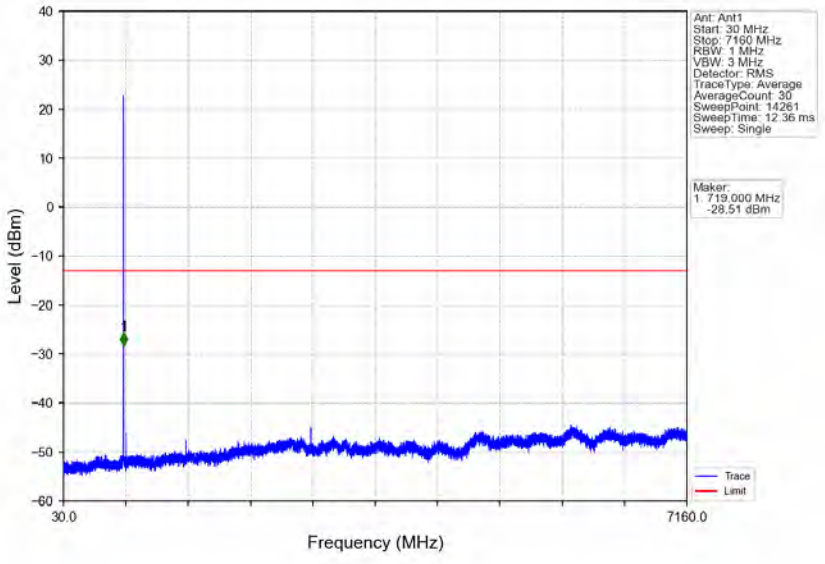


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-22.44	-13	Pass
698.9	699	0.03	/	2	698.991	-24.16	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

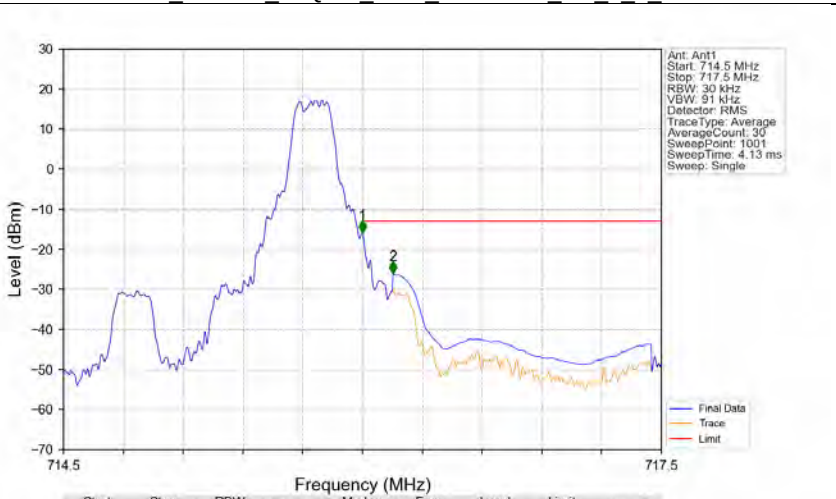
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

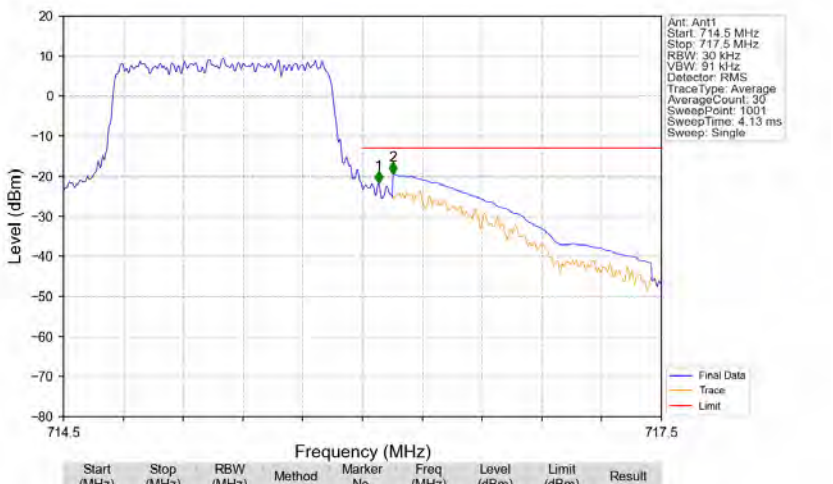


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



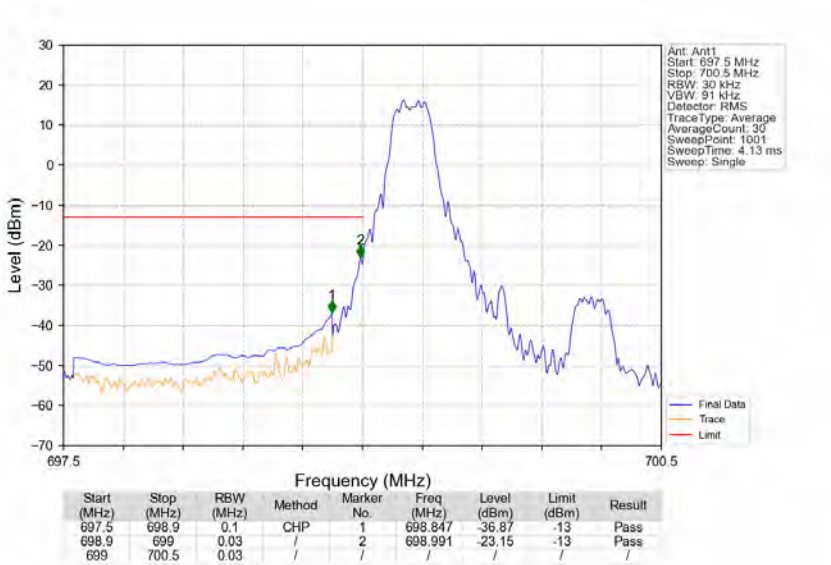
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-15.83	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-26.13	-13	Pass

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



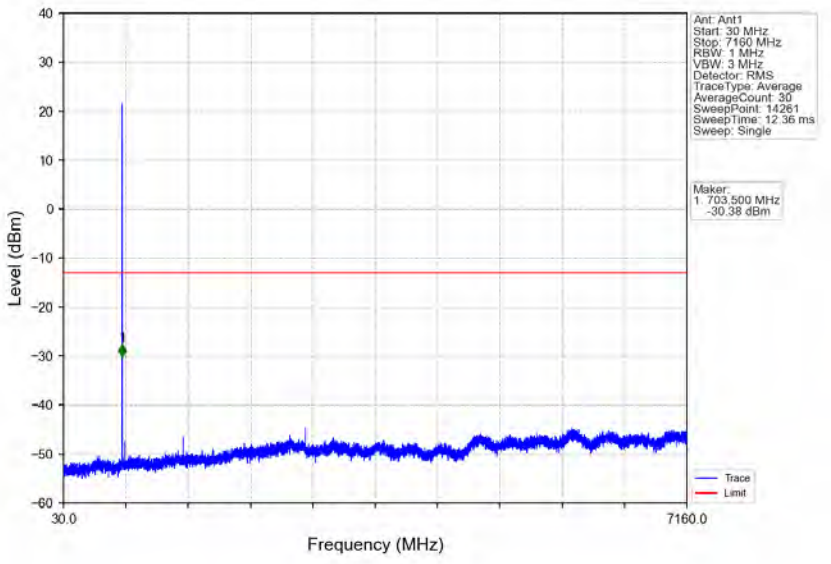
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.081	-21.82	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-19.58	-13	Pass

Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_1_0_NTNV

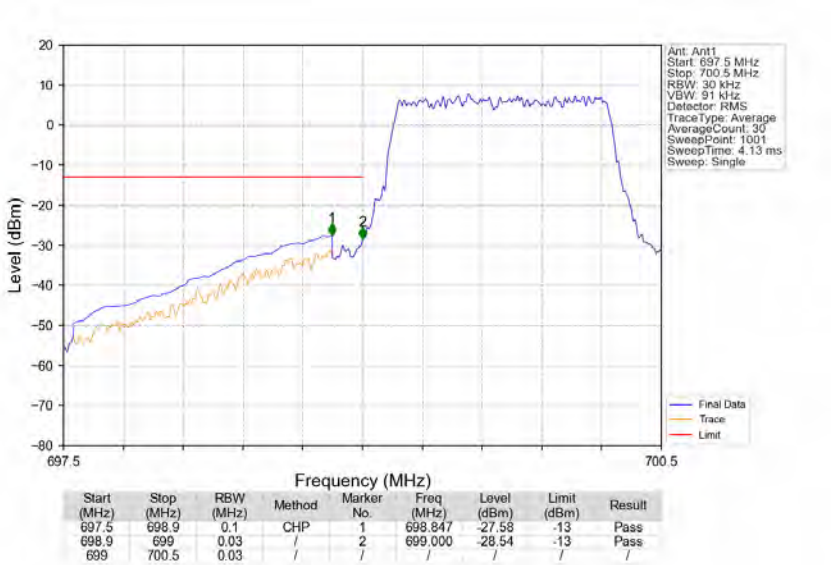


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-36.87	-13	Pass
698.9	699	0.03	/	2	698.991	-23.15	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_1_0_NTNV

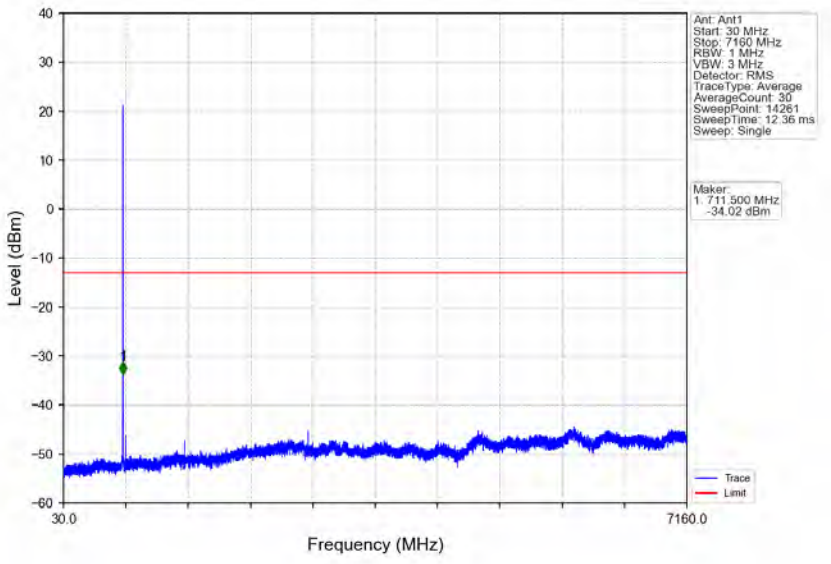


Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV

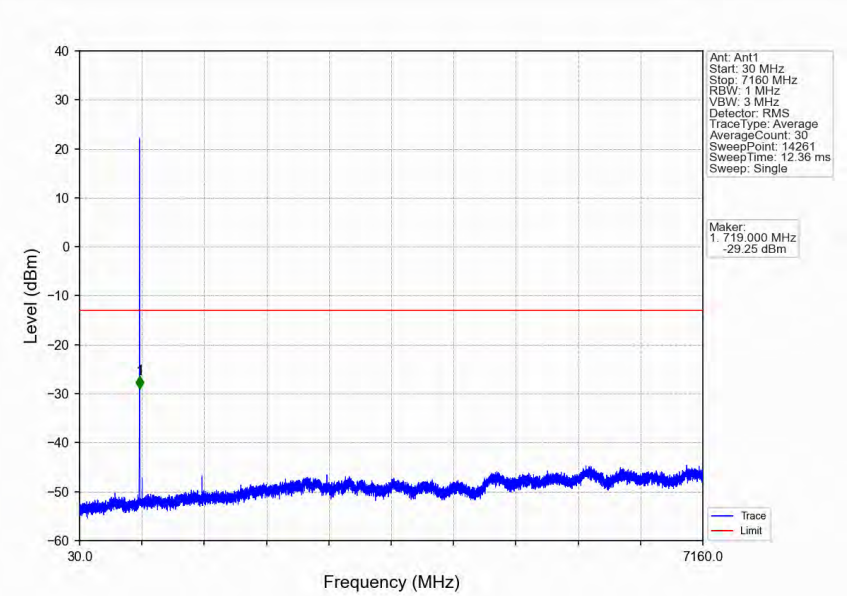


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-27.58	-13	Pass
698.9	699	0.03	/	2	699.000	-28.54	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

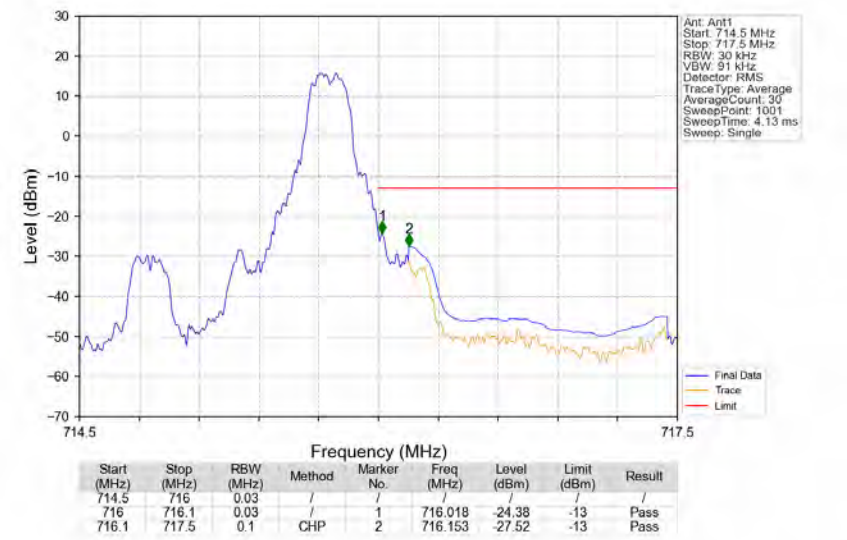
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_1_0_NTNV

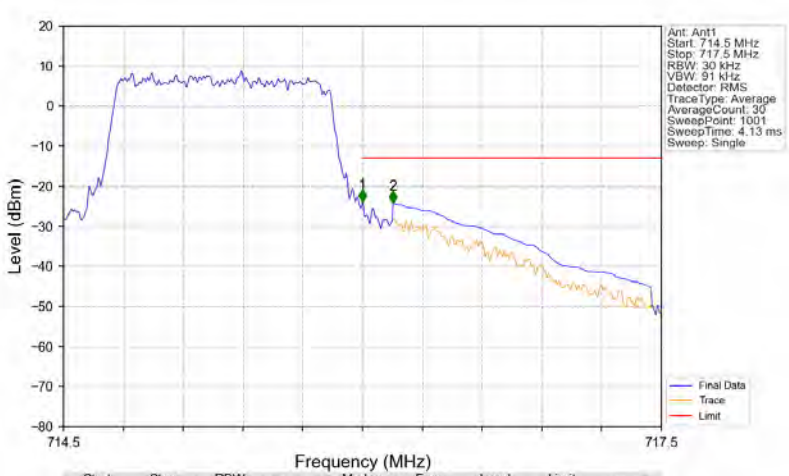


Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-24.38	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-27.52	-13	Pass

Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-23.96	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-24.27	-13	Pass

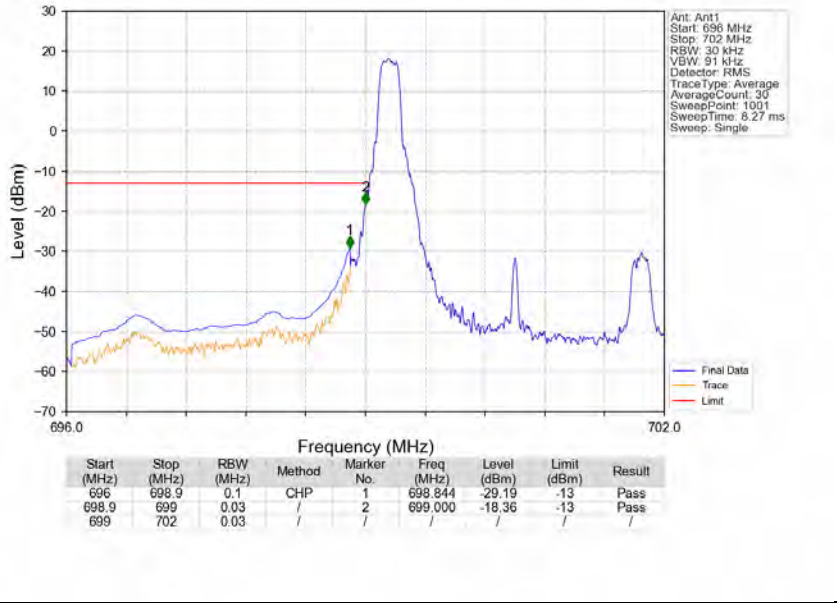
6.2 B12_3MHz

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
64QAM	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

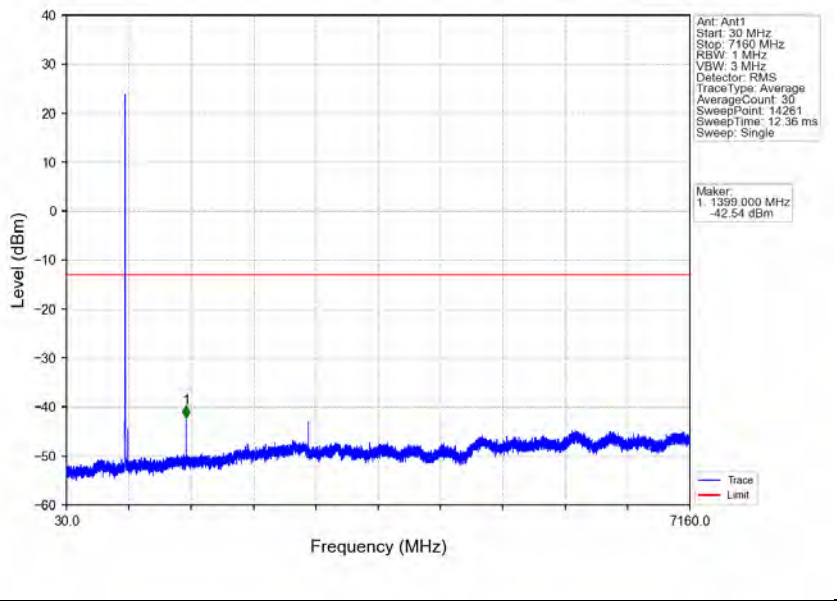
6.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

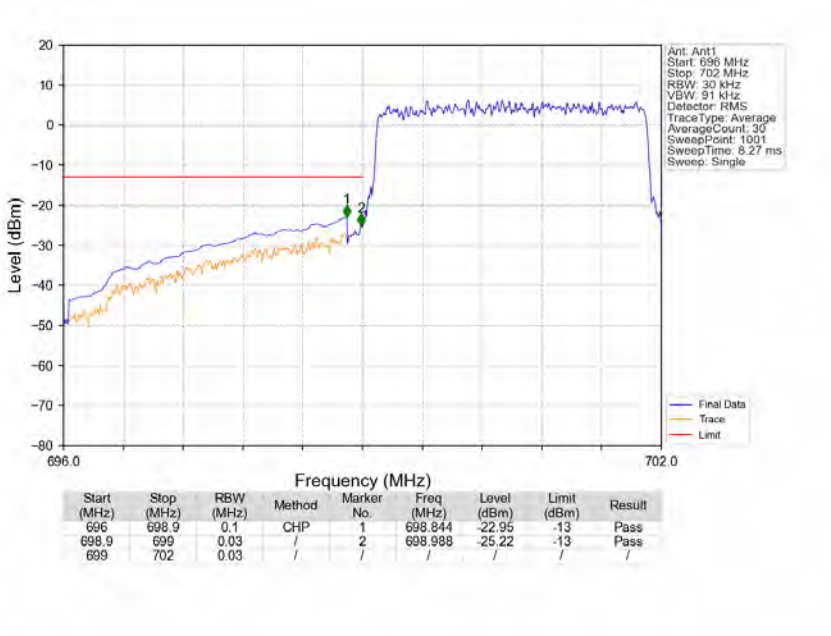


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.19	-13	Pass
698.9	699	0.03	/	2	699.000	-18.36	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

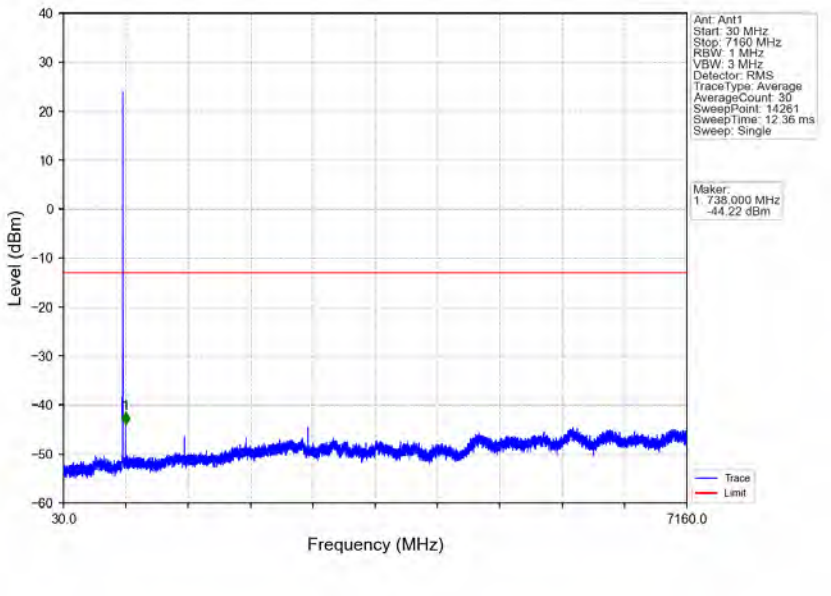


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

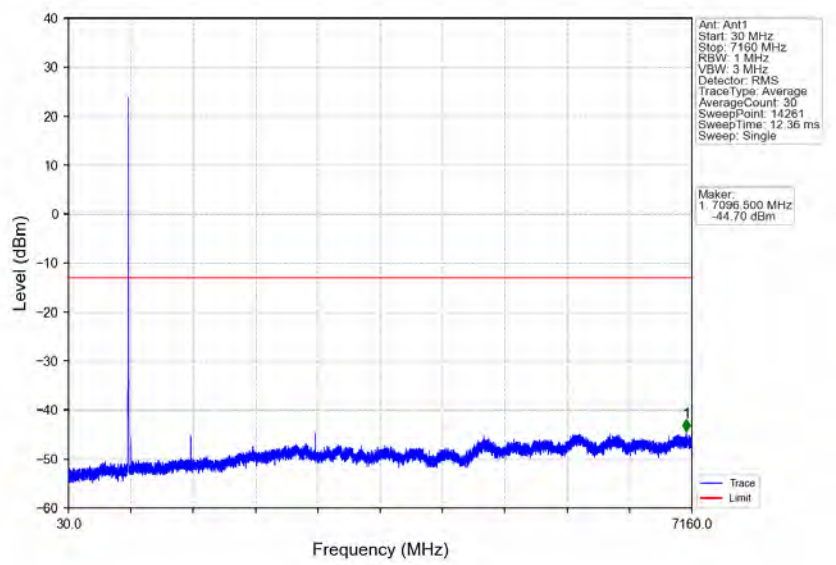


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-22.95	-13	Pass
698.9	699	0.03	/	2	698.988	-25.22	-13	Pass
699	702	0.03	/	/	/	/	/	/

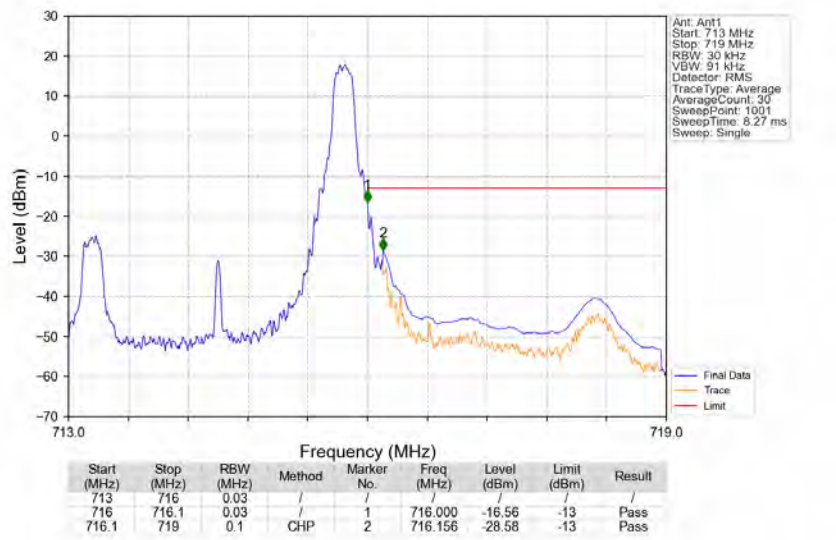
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

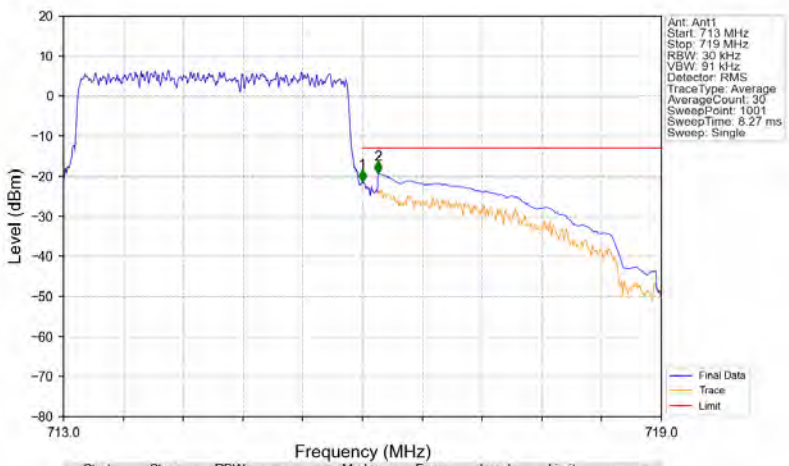


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



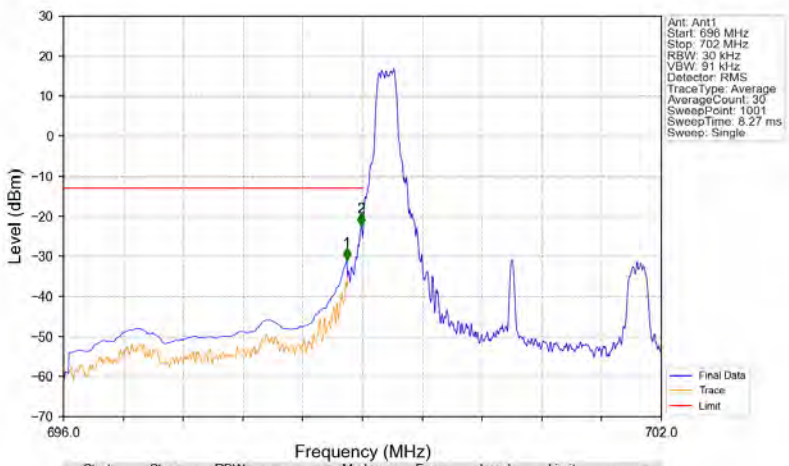
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-16.56	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.58	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



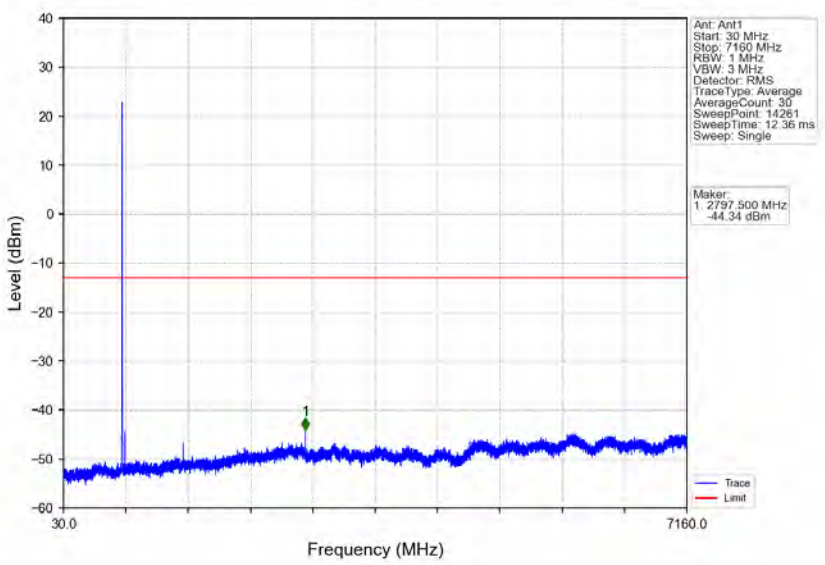
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-21.45	-13	Pass
716.1	719	0.1	CHP	2	716.156	-19.29	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

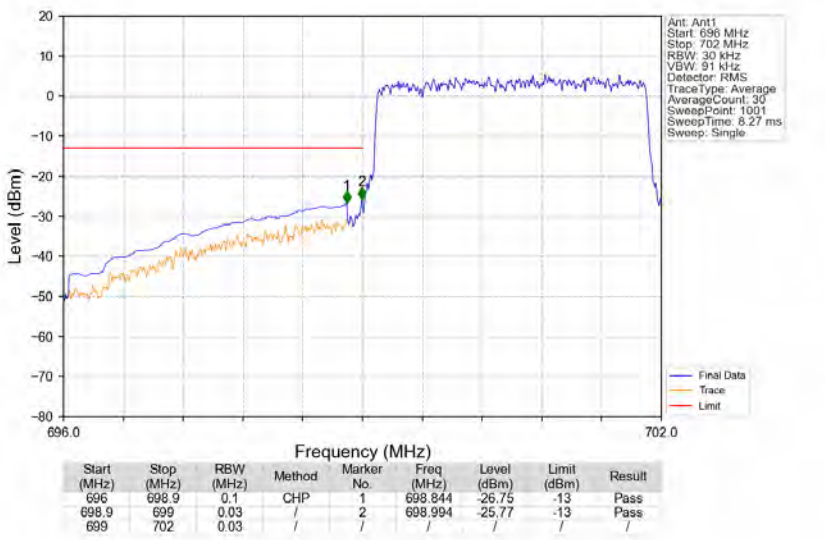


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.01	-13	Pass
698.9	699	0.03	/	2	698.988	-22.42	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

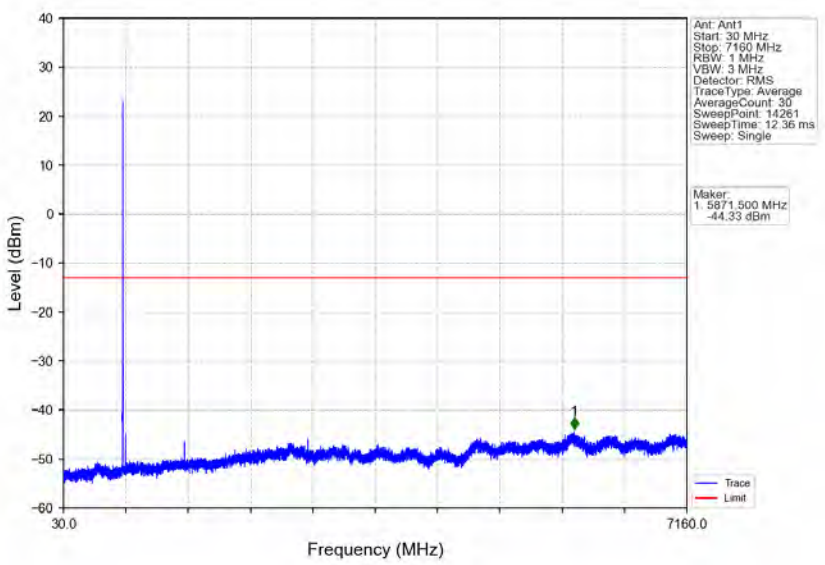


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

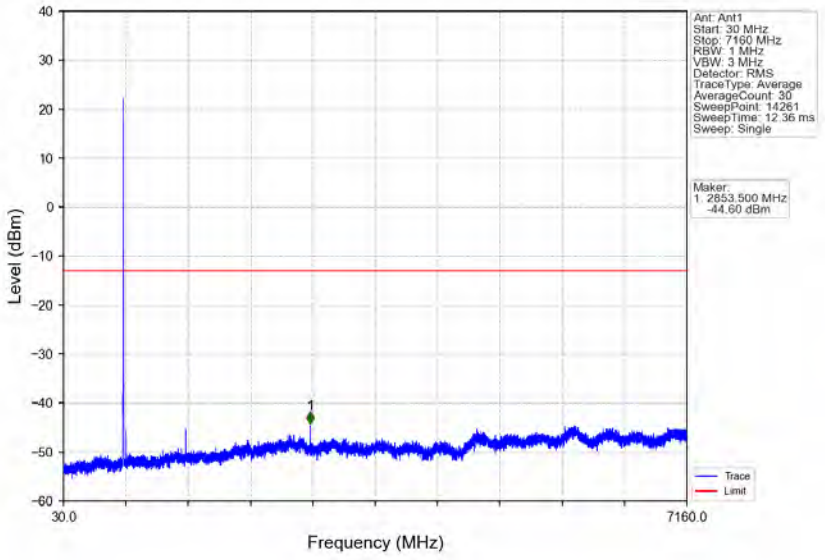


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-26.75	-13	Pass
698.9	699	0.03	/	2	698.994	-25.77	-13	Pass
699	702	0.03	/	/	/	/	/	/

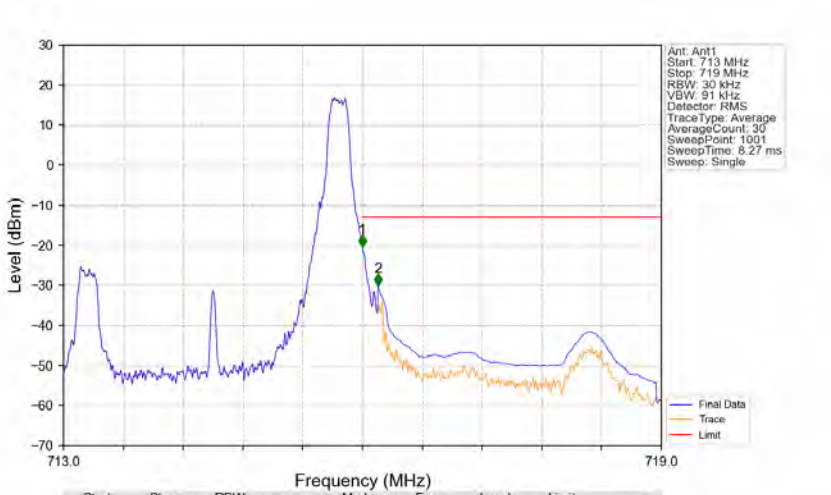
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

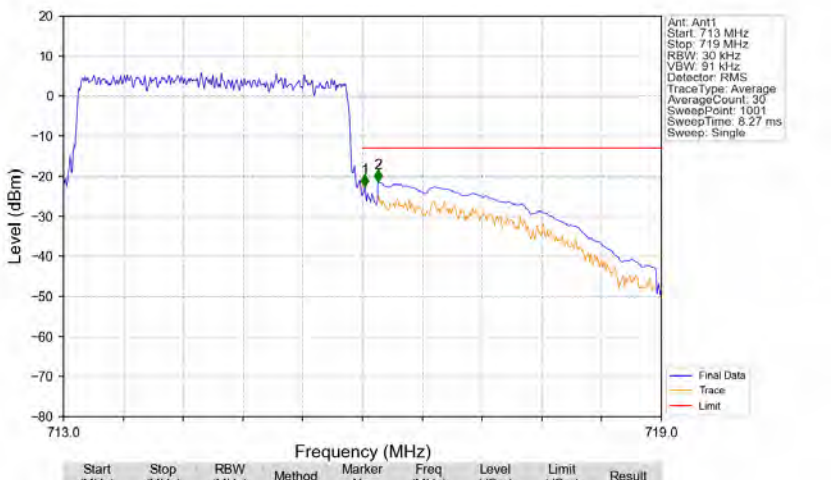


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



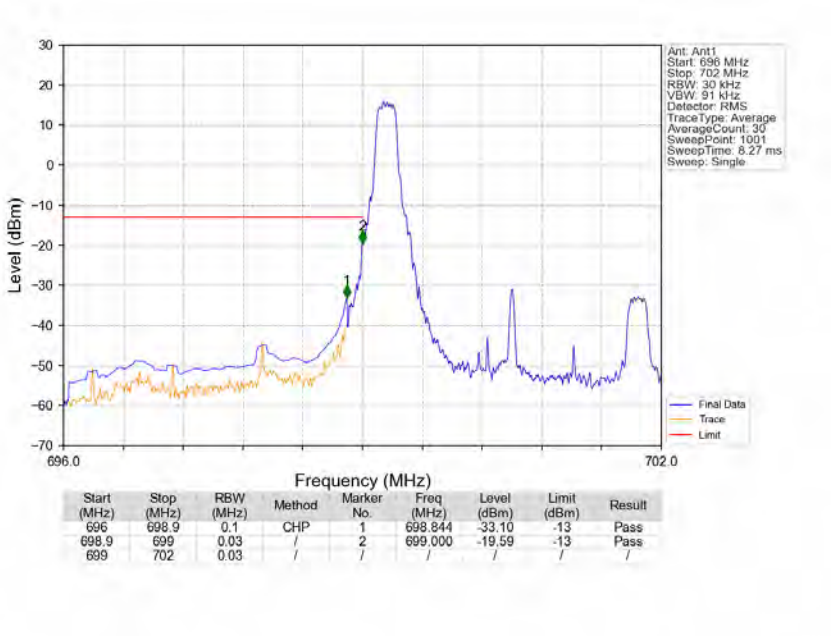
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-20.46	-13	Pass
716.1	719	0.1	CHP	2	716.156	-30.19	-13	Pass

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



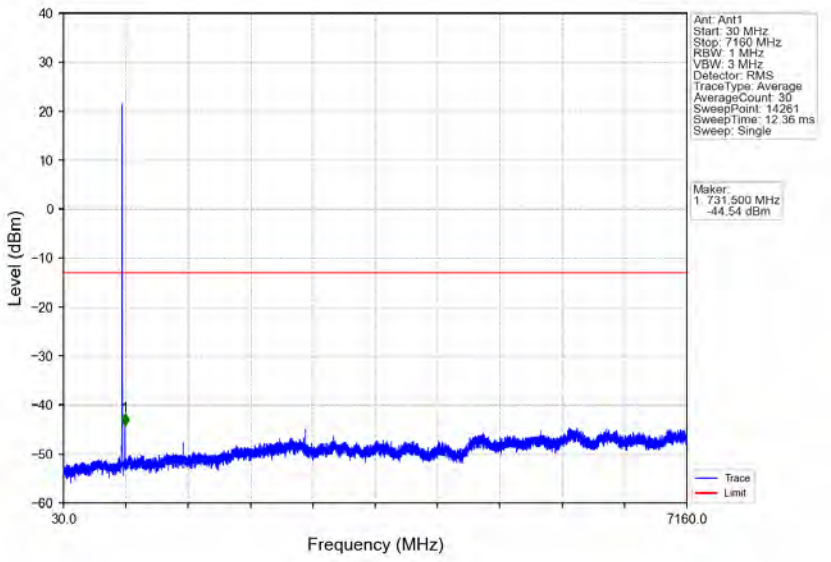
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.024	-22.65	-13	Pass
716.1	719	0.1	CHP	2	716.156	-21.48	-13	Pass

Band12_3MHz_64QAM_LCH_700.5MHz_RB_1_0_NTNV

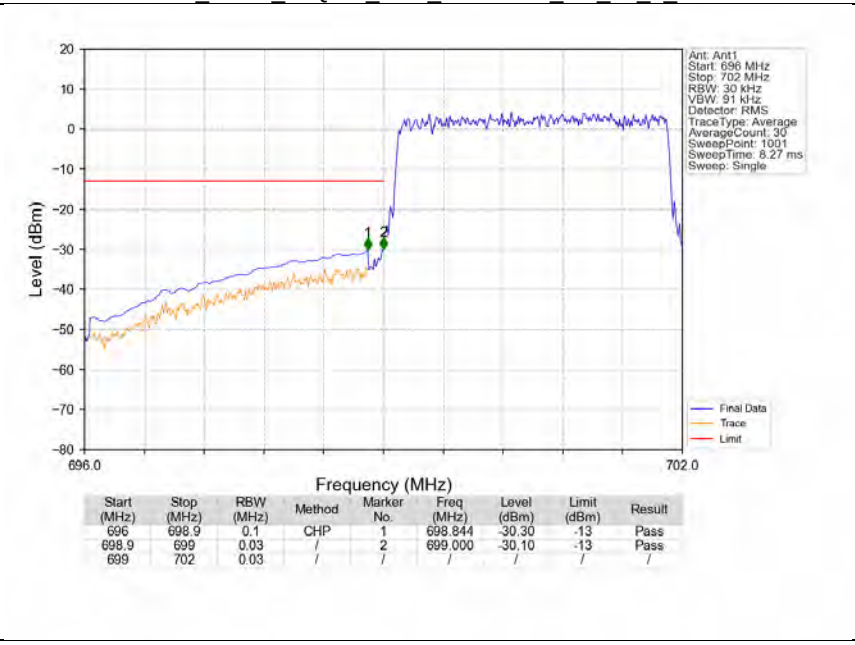


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-33.10	-13	Pass
698.9	699	0.03	/	2	699.000	-19.59	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_64QAM_LCH_700.5MHz_RB_1_0_NTNV

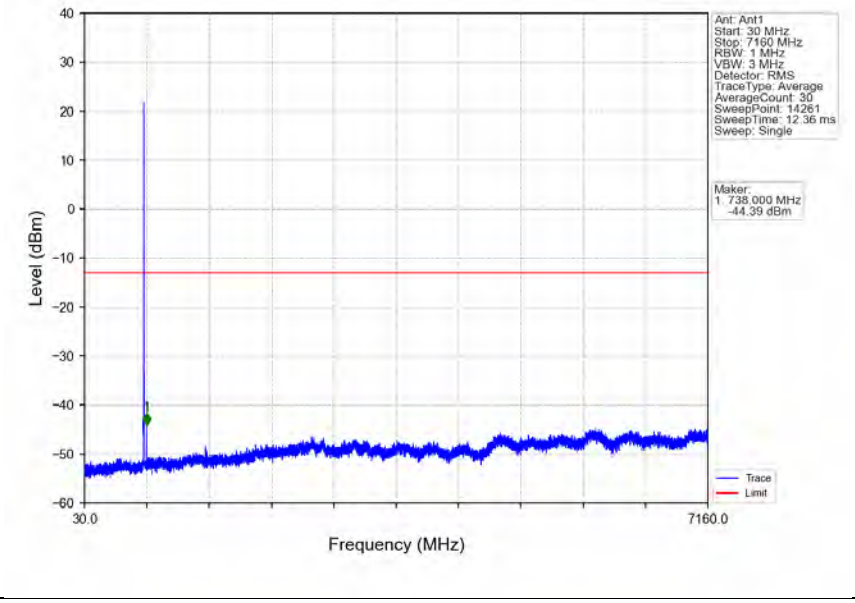


Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV

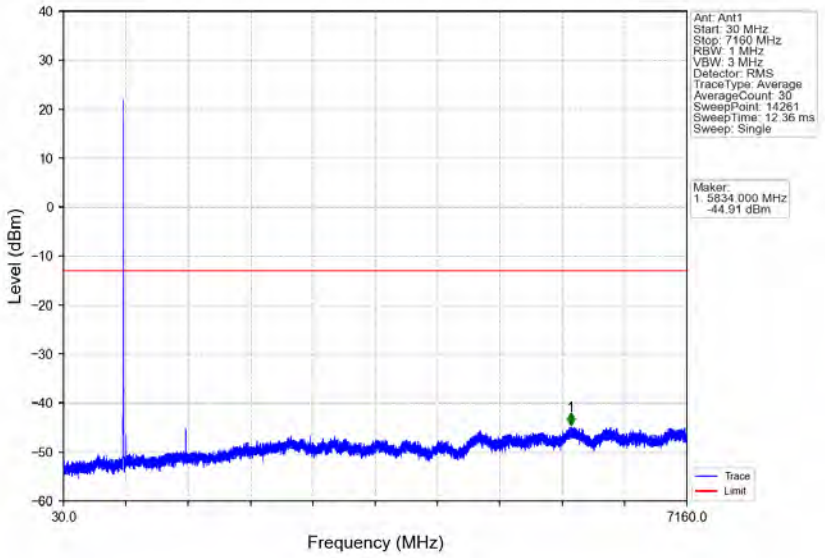


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.30	-13	Pass
698.9	699	0.03	/	2	699.000	-30.10	-13	Pass
699	702	0.03	/	/	/	/	/	/

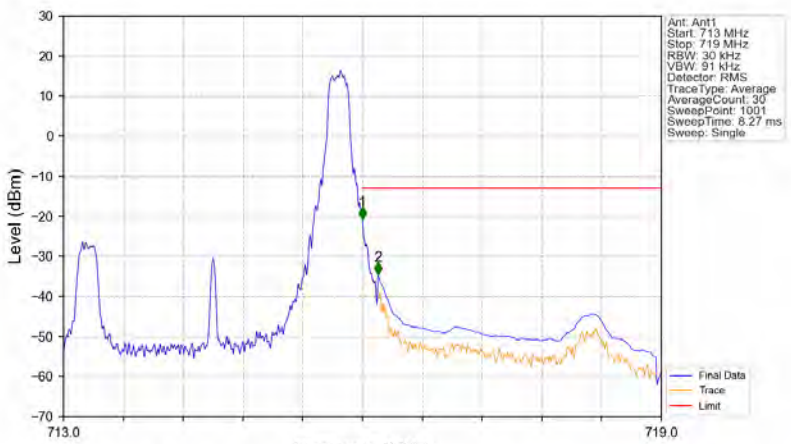
Band12_3MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_0_NTNV

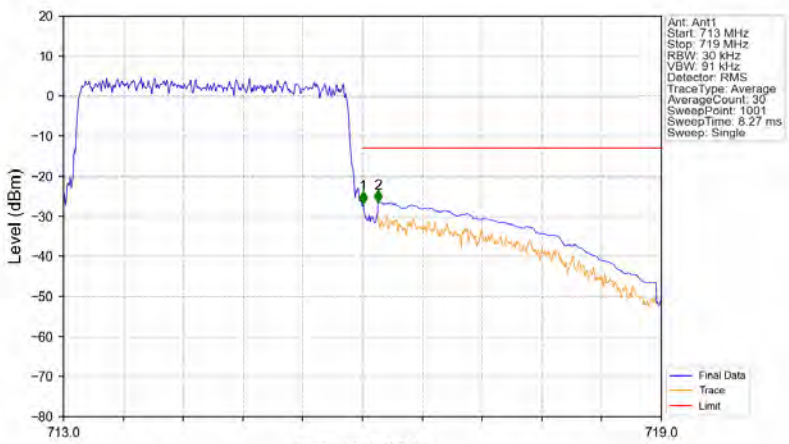


Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-20.75	-13	Pass
716.1	719	0.1	CHP	2	716.156	-34.63	-13	Pass

Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-26.83	-13	Pass
716.1	719	0.1	CHP	2	716.156	-26.54	-13	Pass

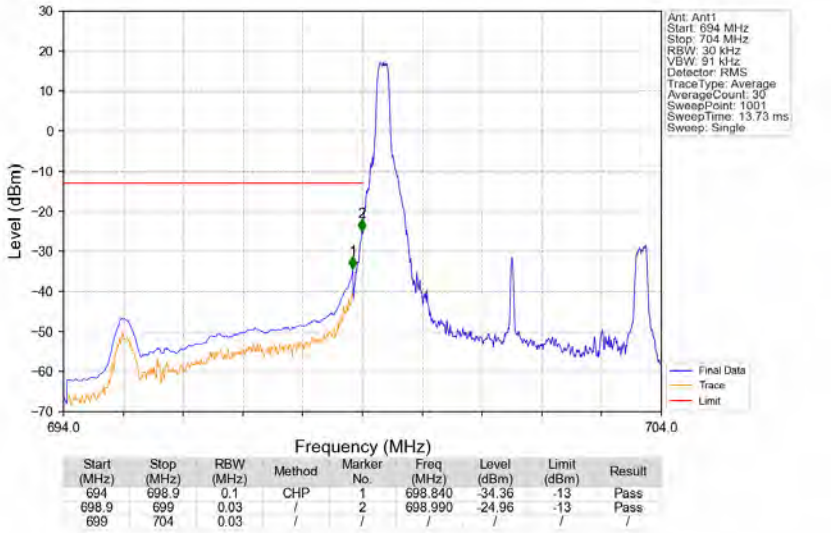
6.3 B12_5MHz

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
64QAM	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

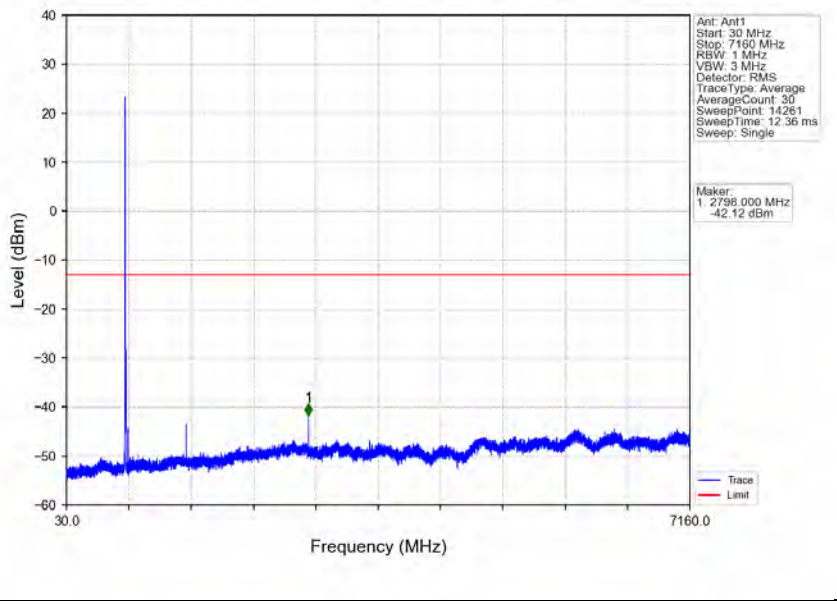
6.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

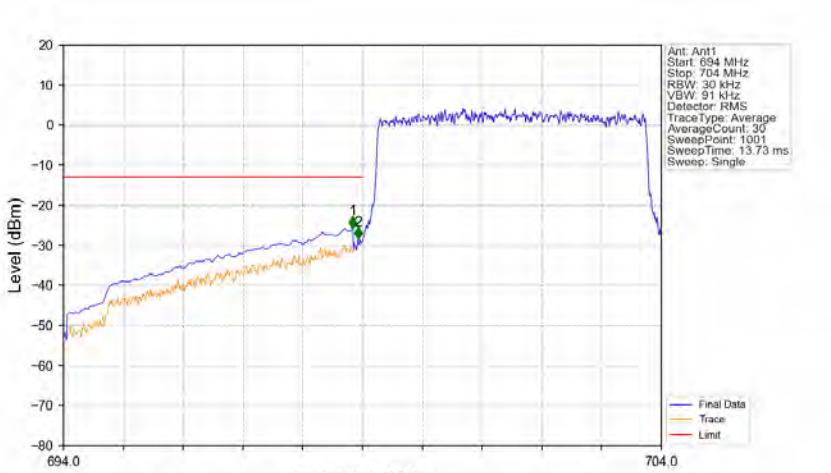


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-34.36	-13	Pass
698.9	699	0.03	/	2	698.990	-24.96	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

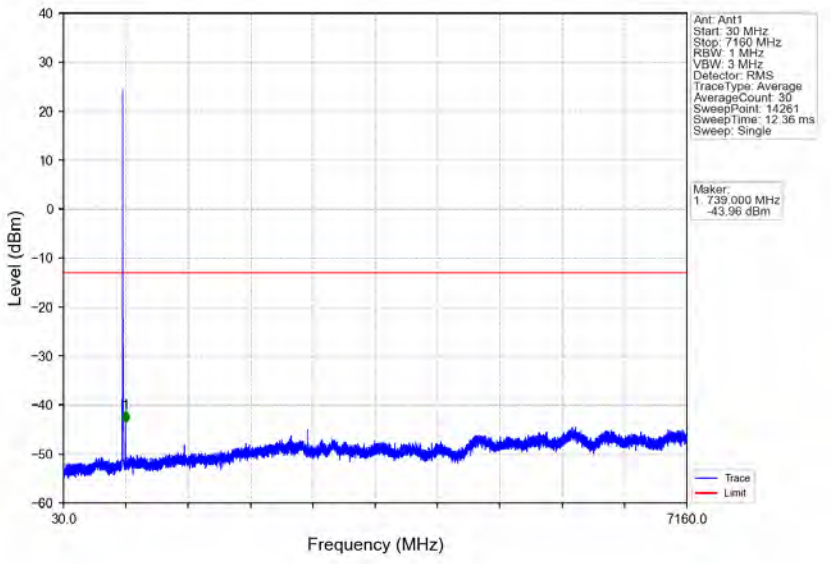


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

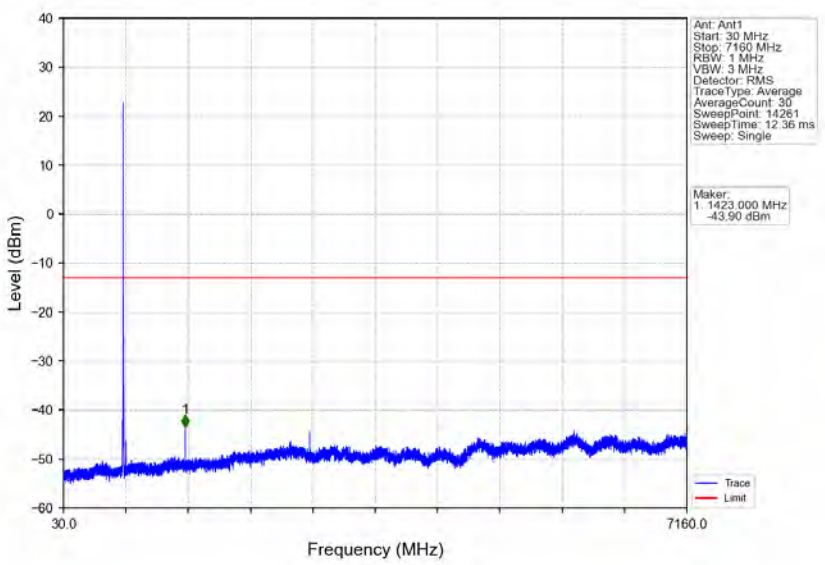


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-25.78	-13	Pass
698.9	699	0.03	/	2	698.930	-28.55	-13	Pass
699	704	0.03	/	/	/	/	/	/

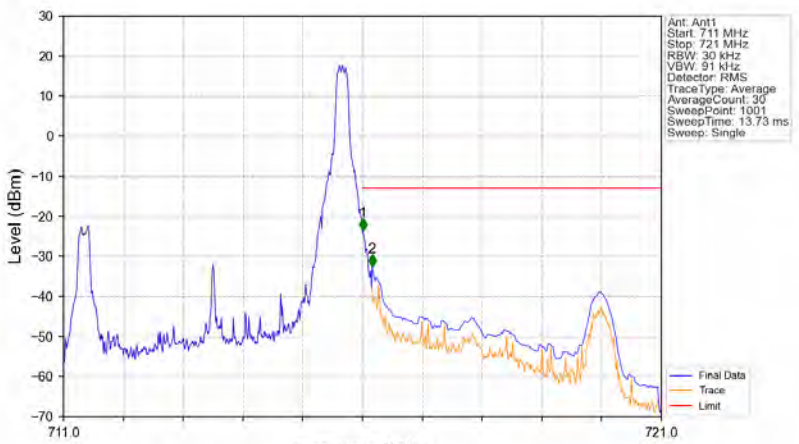
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

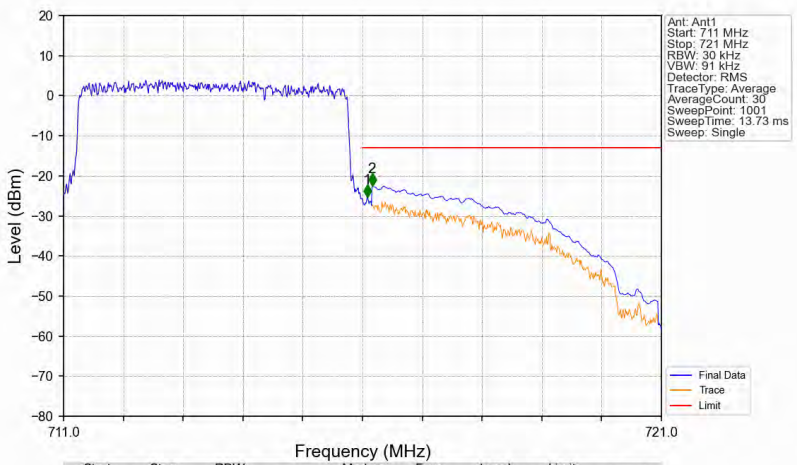


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



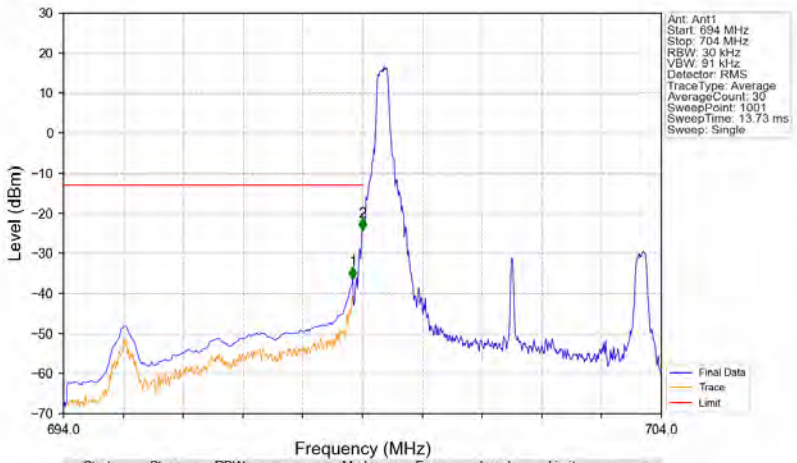
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-23.53	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.55	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



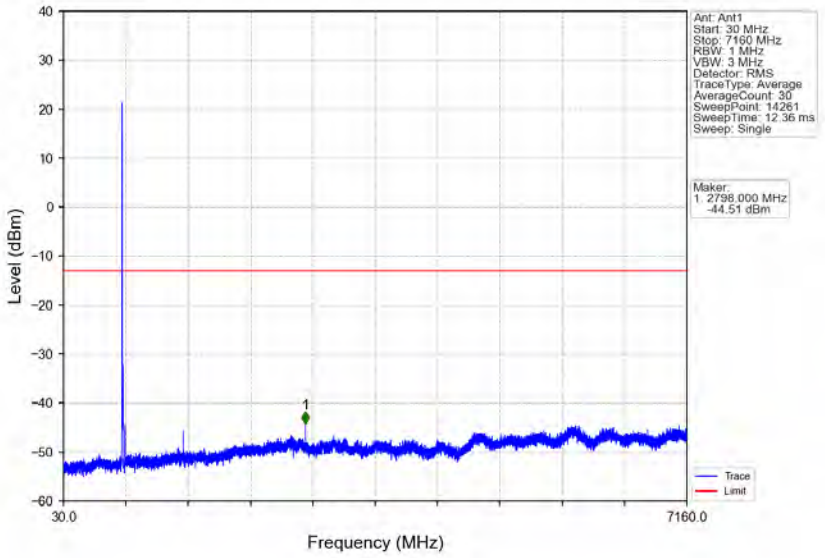
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.080	-25.27	-13	Pass
716.1	721	0.1	CHP	2	716.160	-22.54	-13	Pass

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

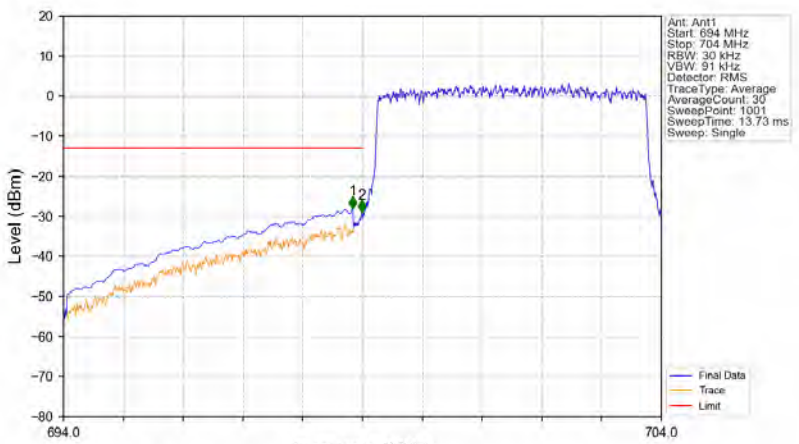


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-36.42	-13	Pass
698.9	699	0.03	/	2	699.000	-24.34	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

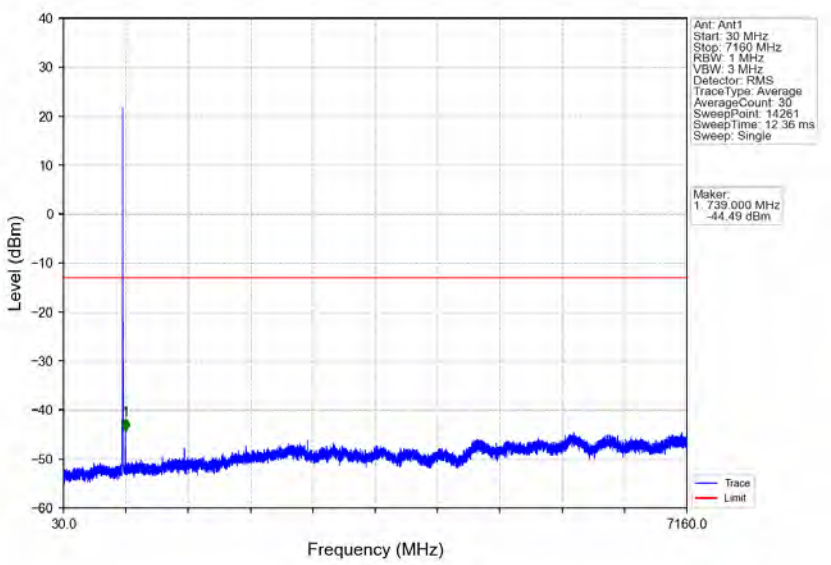


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

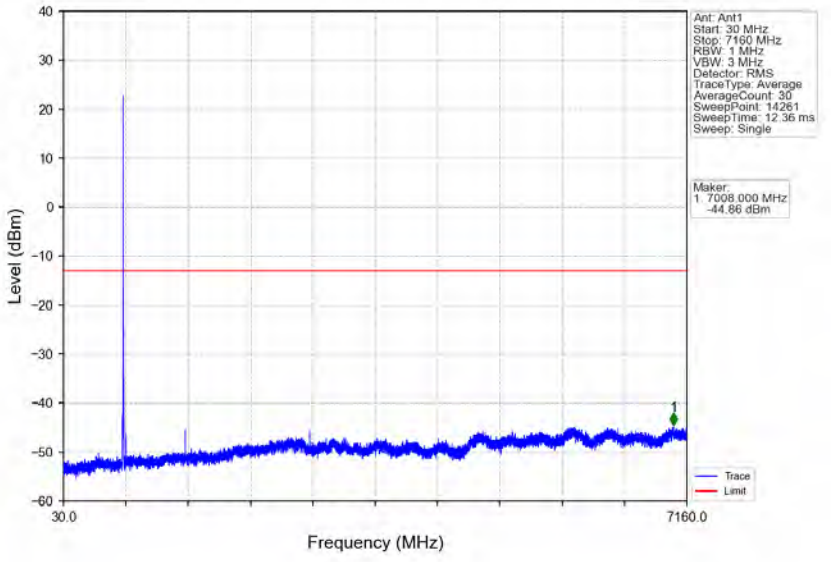


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-28.06	-13	Pass
698.9	699	0.03	/	2	698.990	-29.10	-13	Pass
699	704	0.03	/	/	/	/	/	/

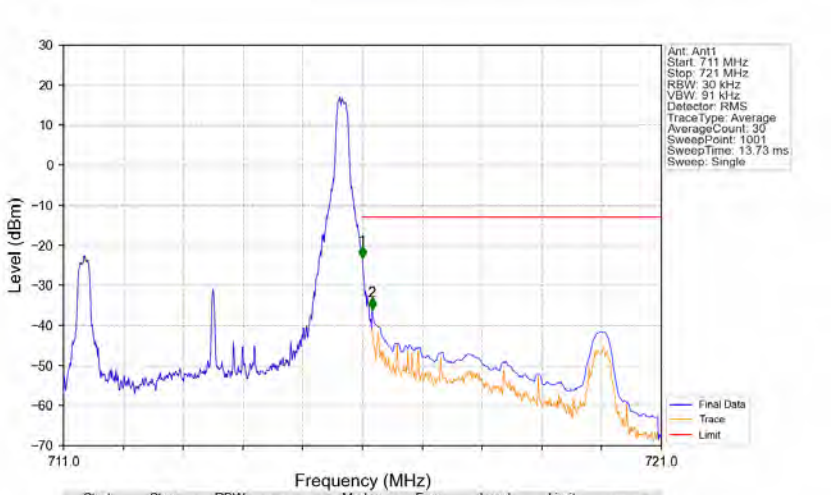
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

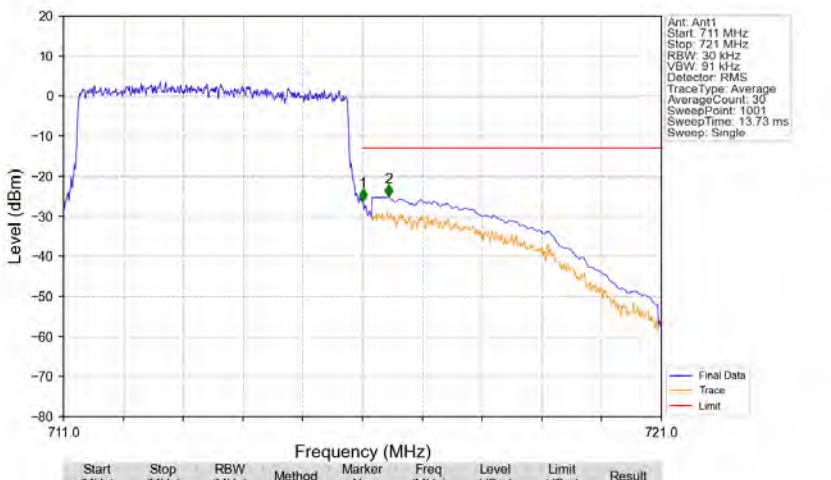


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



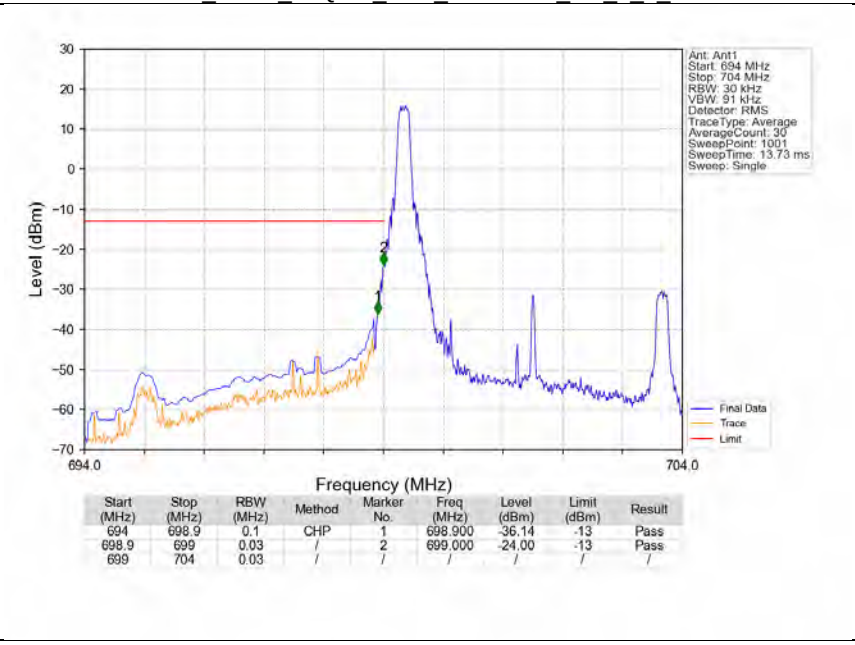
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-23.30	-13	Pass
716.1	721	0.1	CHP	2	716.160	-36.10	-13	Pass

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



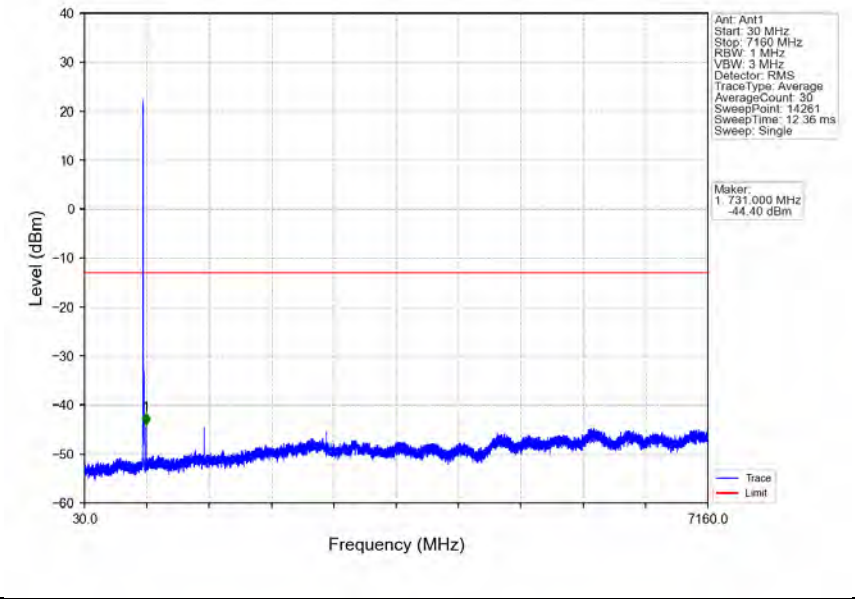
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-26.12	-13	Pass
716.1	721	0.1	CHP	2	716.440	-25.09	-13	Pass

Band12_5MHz_64QAM_LCH_701.5MHz_RB_1_0_NTNV

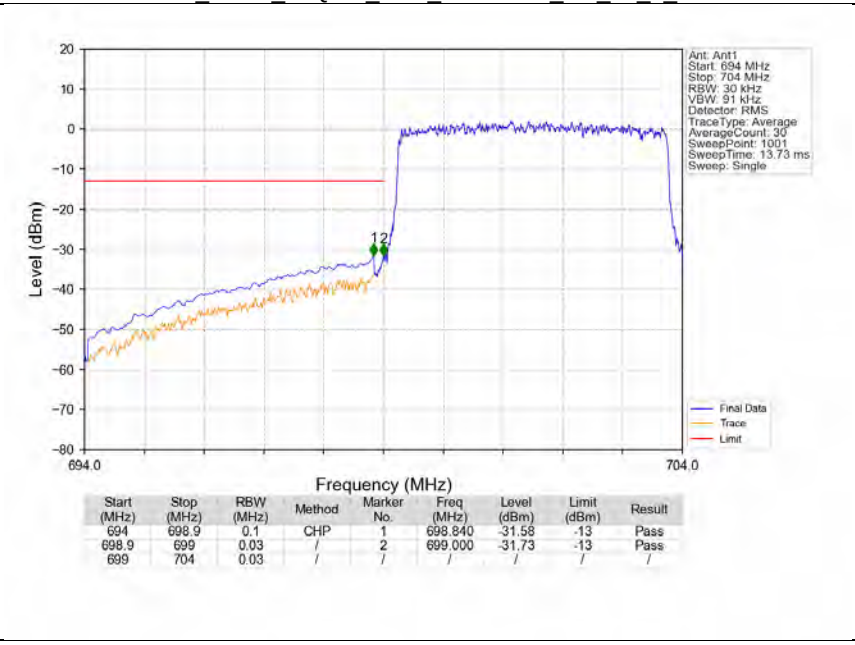


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.900	-36.14	-13	Pass
698.9	699	0.03	/	2	699.000	-24.00	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_64QAM_LCH_701.5MHz_RB_1_0_NTNV

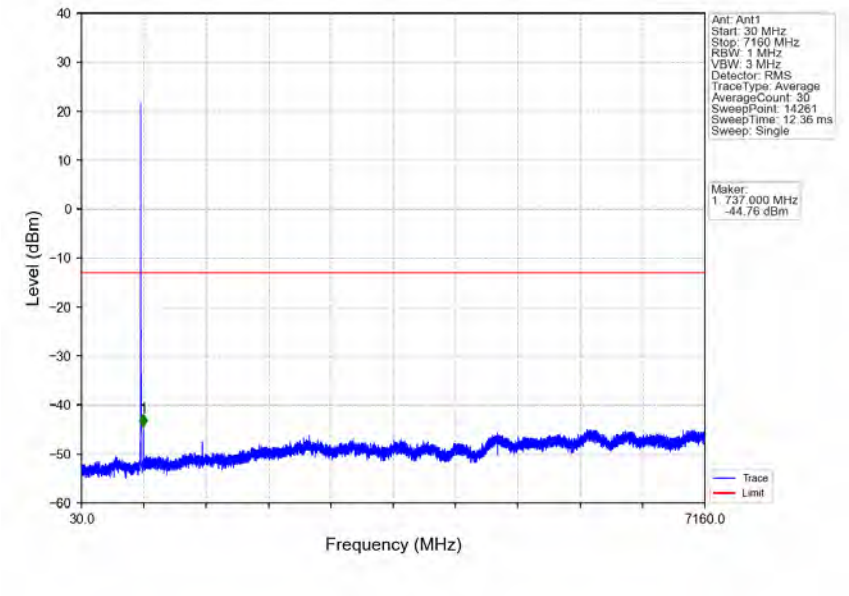


Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV

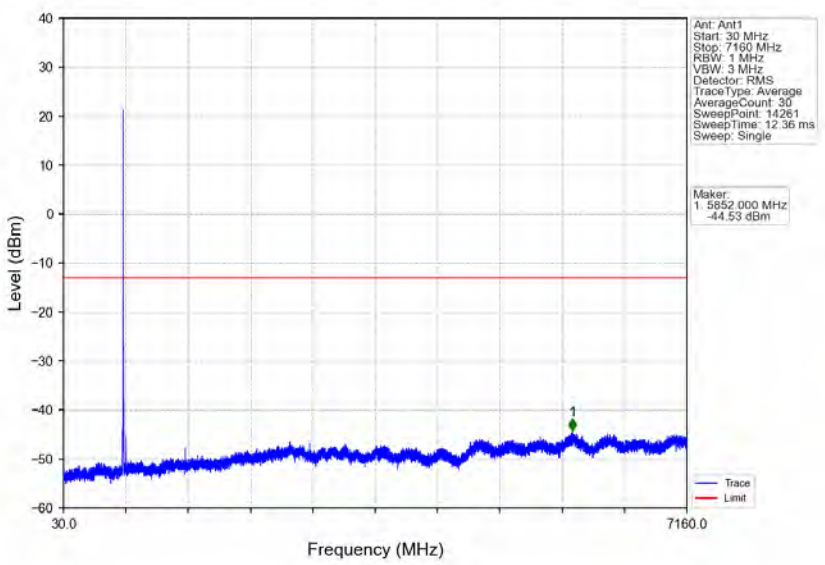


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-31.58	-13	Pass
698.9	699	0.03	/	2	699.000	-31.73	-13	Pass
699	704	0.03	/	/	/	/	/	/

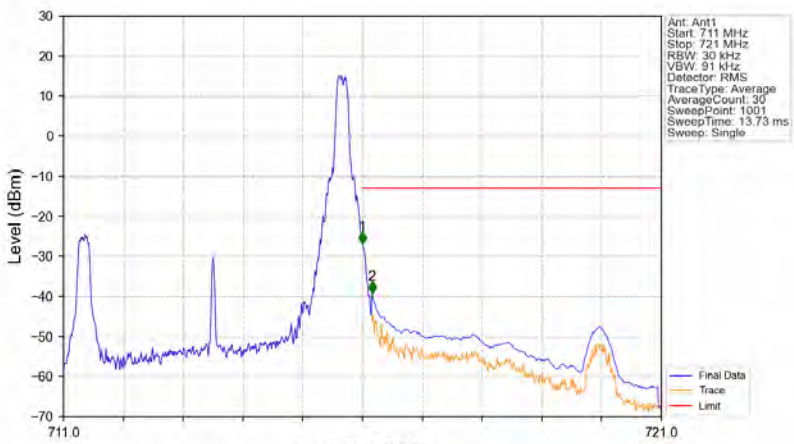
Band12_5MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_64QAM_HCH_713.5MHz_RB_1_0_NTNV

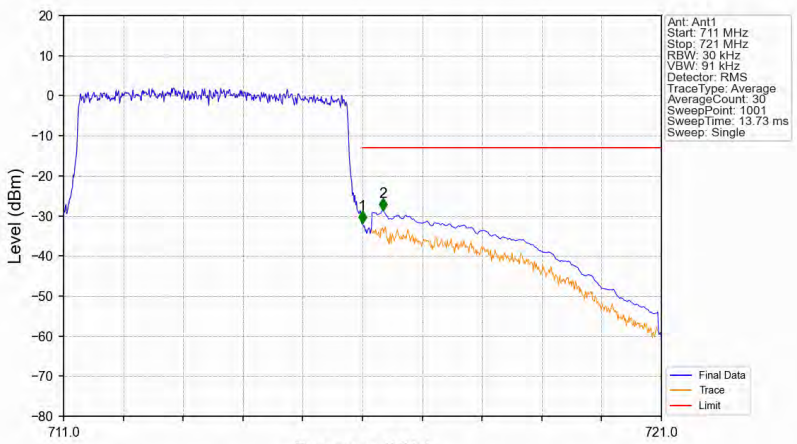


Band12_5MHz_64QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-26.96	-13	Pass
716.1	721	0.1	CHP	2	716.160	-39.33	-13	Pass

Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-31.83	-13	Pass
716.1	721	0.1	CHP	2	716.340	-28.63	-13	Pass

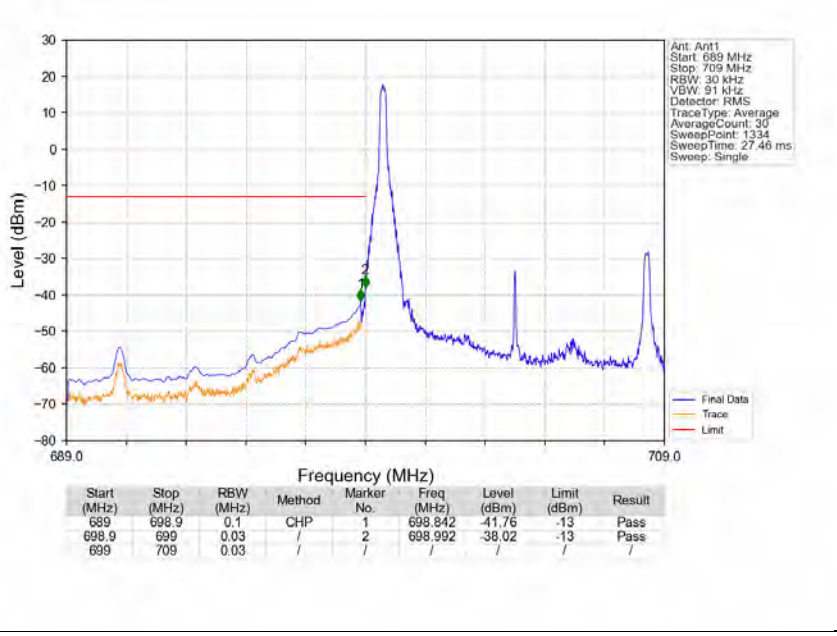
6.4 B12_10MHz

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
64QAM	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

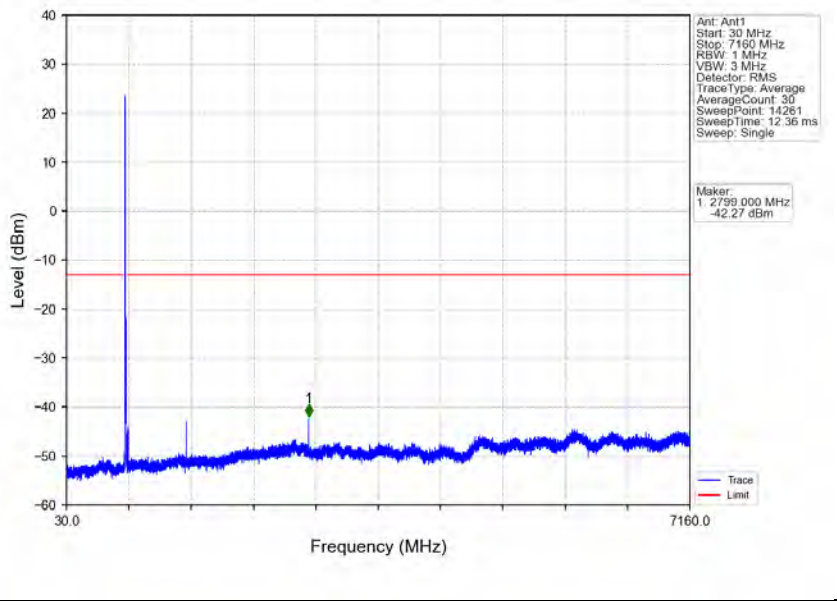
6.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

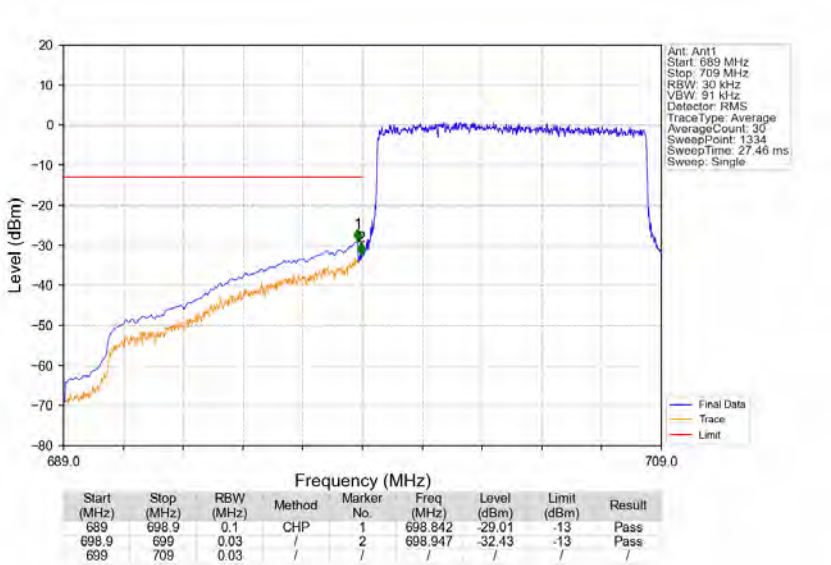


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-41.76	-13	Pass
698.9	699	0.03	/	2	698.992	-38.02	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

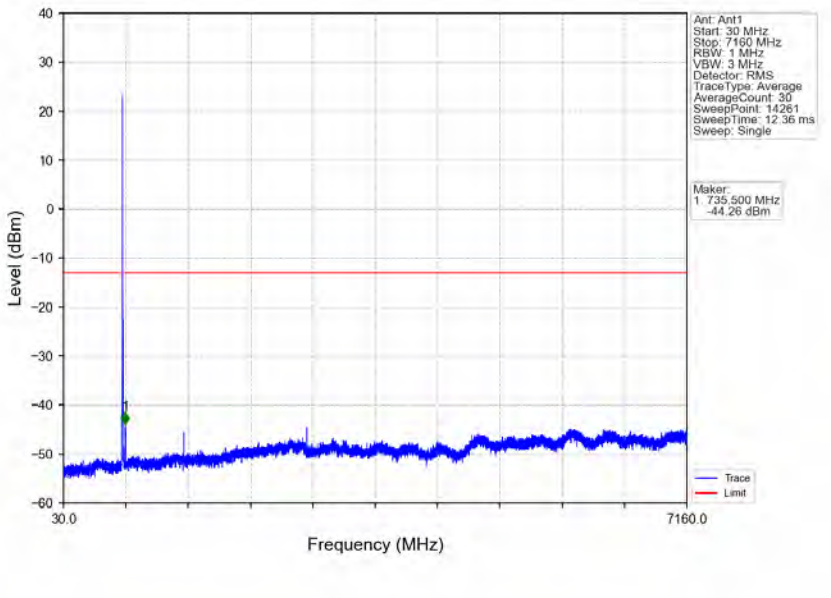


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

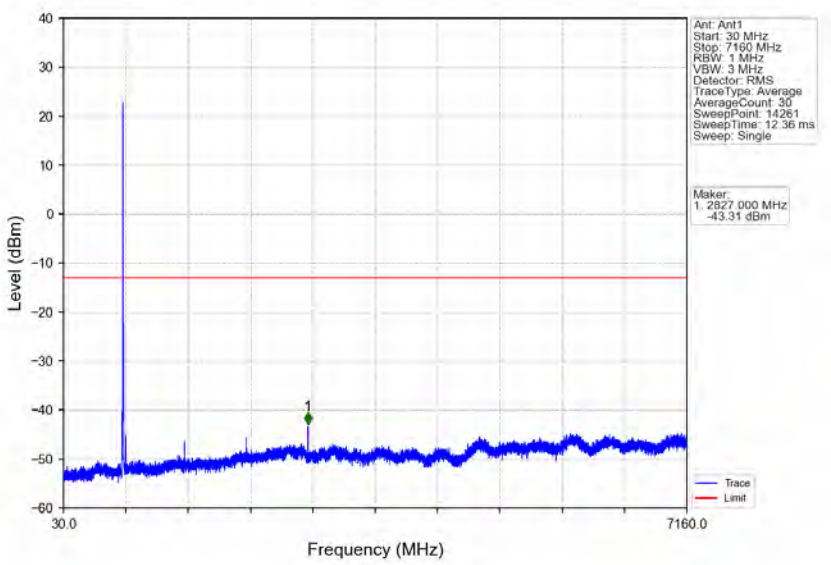


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-29.01	-13	Pass
698.9	699	0.03	/	2	698.947	-32.43	-13	Pass
699	709	0.03	/	/	/	/	/	/

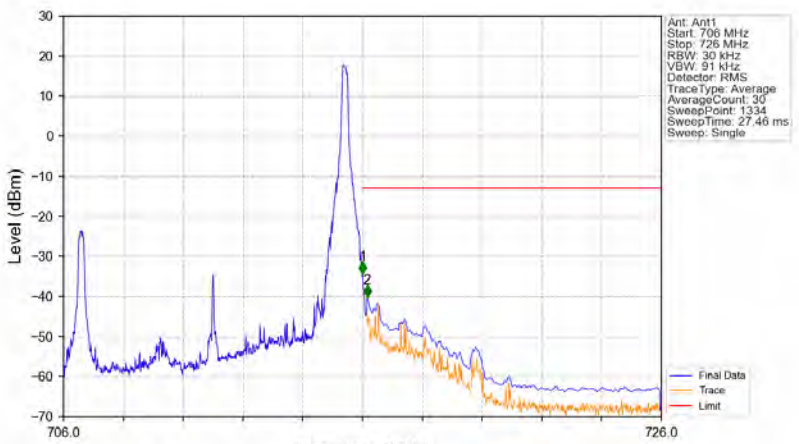
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

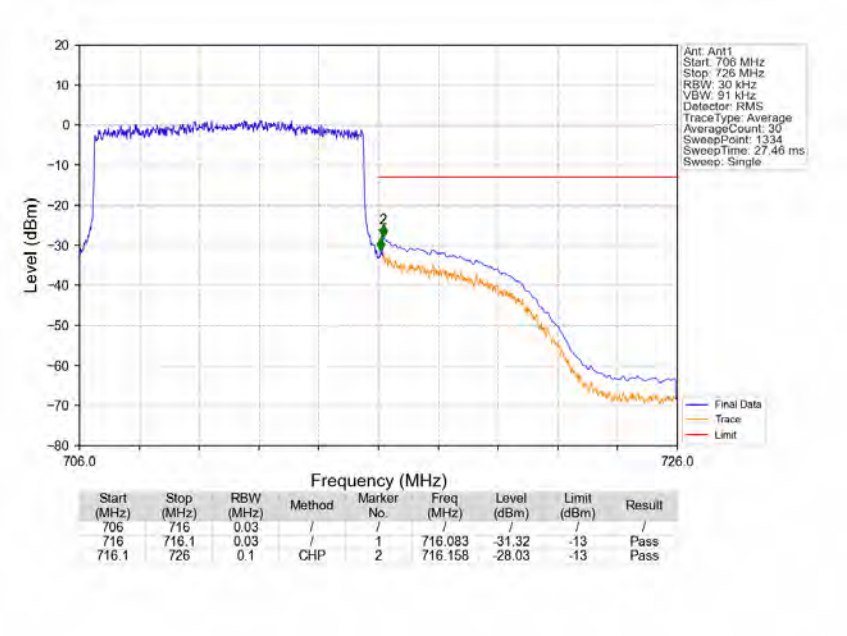


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



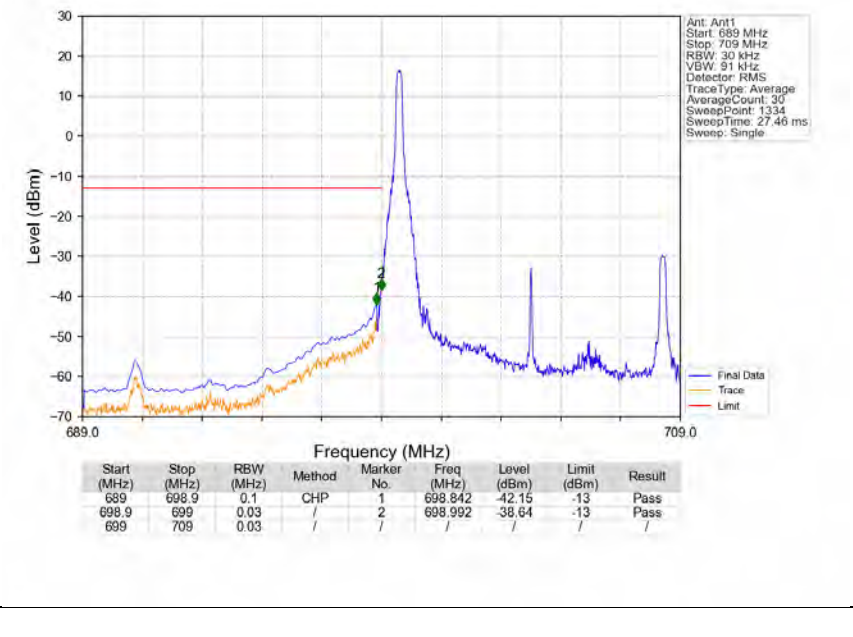
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-34.37	-13	Pass
716.1	726	0.1	CHP	2	716.158	-40.23	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



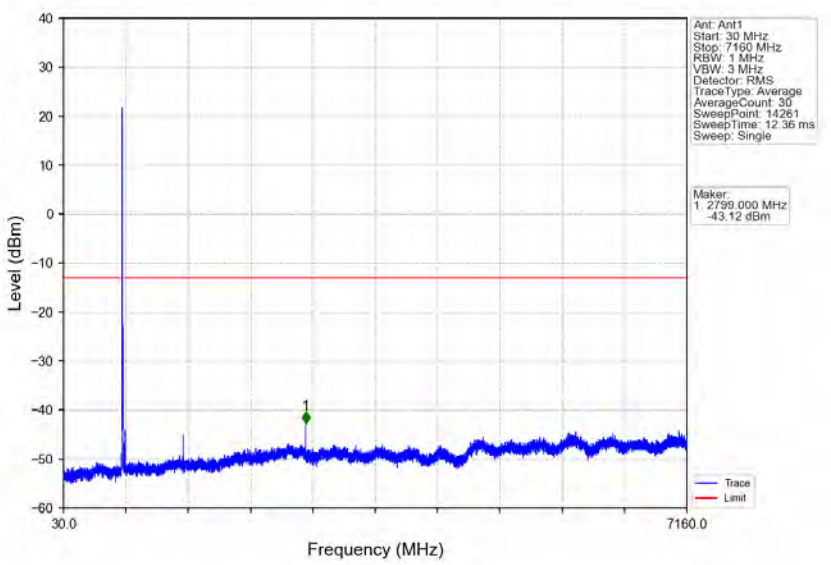
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.083	-31.32	-13	Pass
716.1	726	0.1	CHP	2	716.158	-28.03	-13	Pass

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

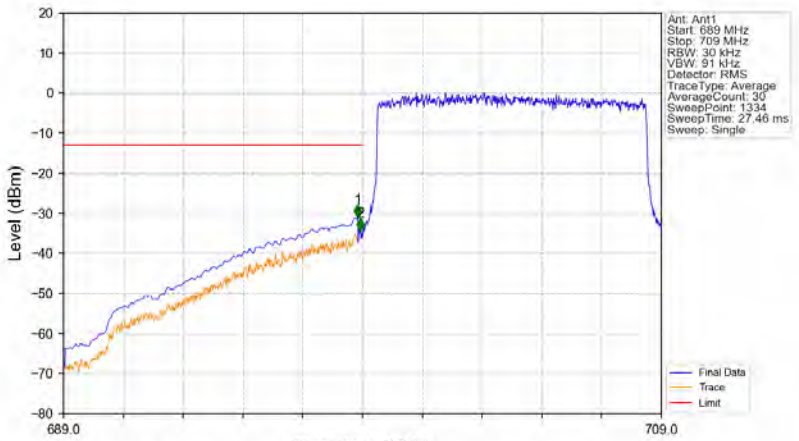


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-42.15	-13	Pass
698.9	699	0.03	/	2	698.992	-38.64	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

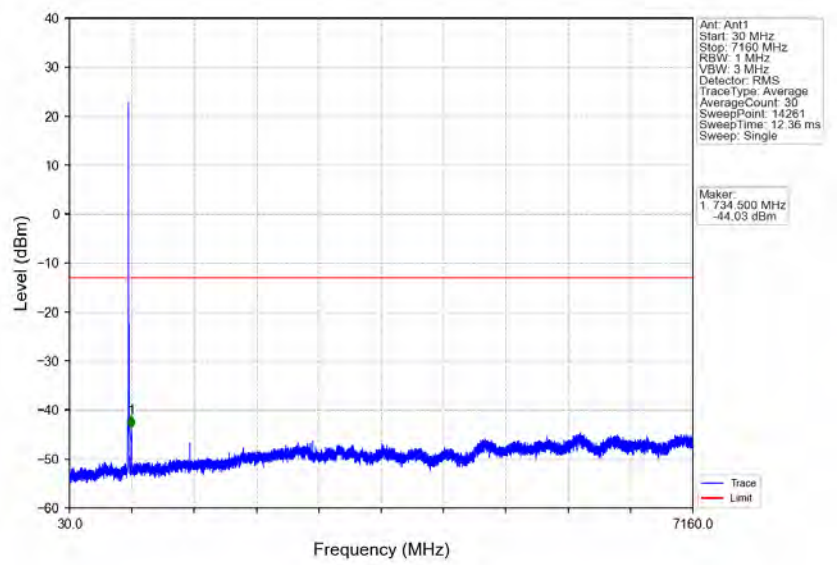


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

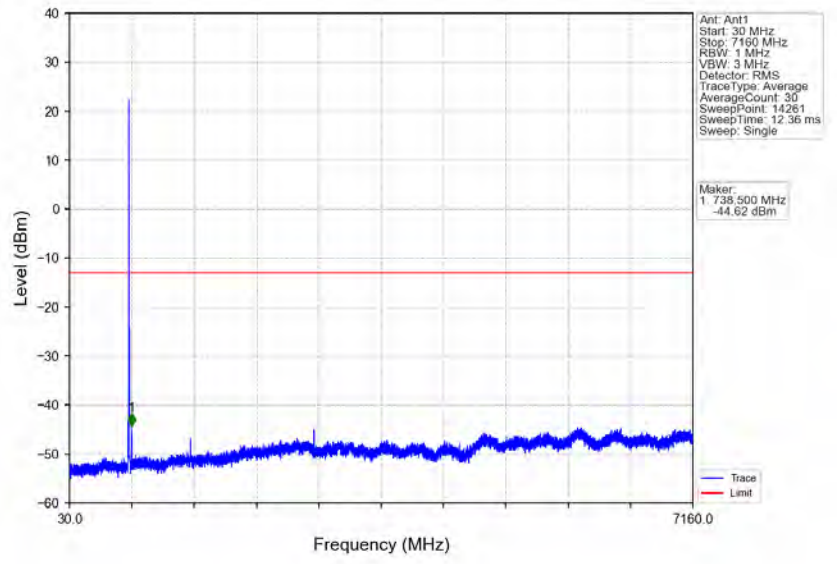


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-30.98	-13	Pass
698.9	699	0.03	/	2	698.932	-34.34	-13	Pass
699	709	0.03	/	/	/	/	/	/

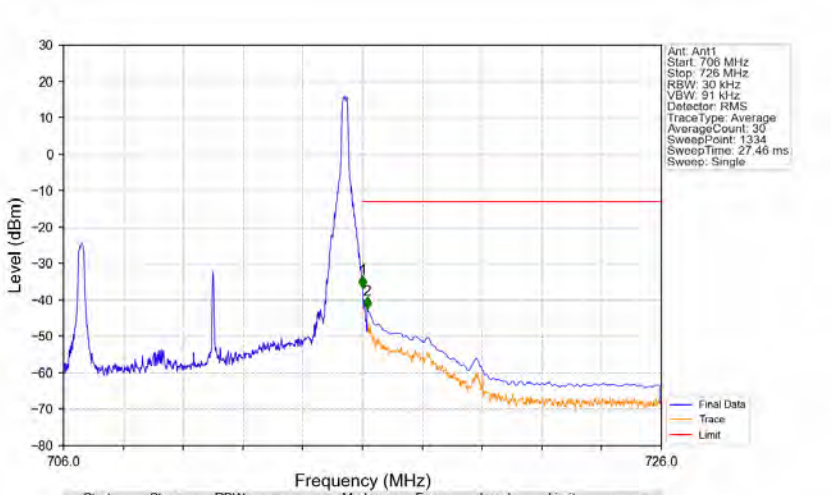
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

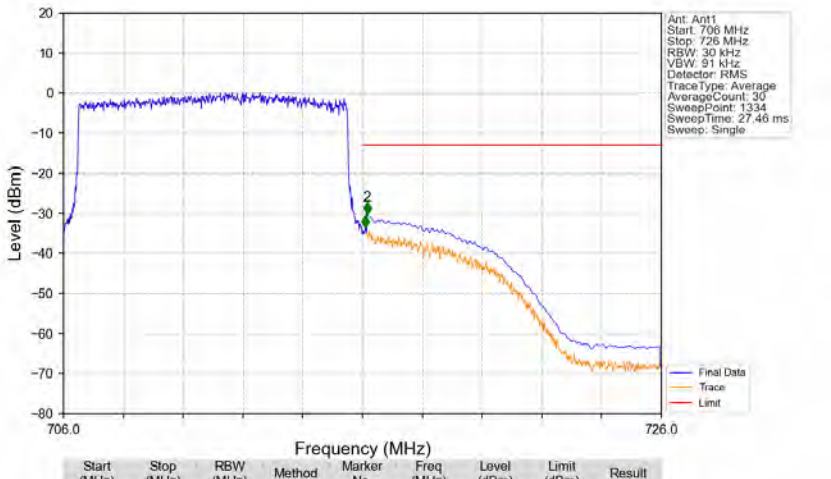


Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



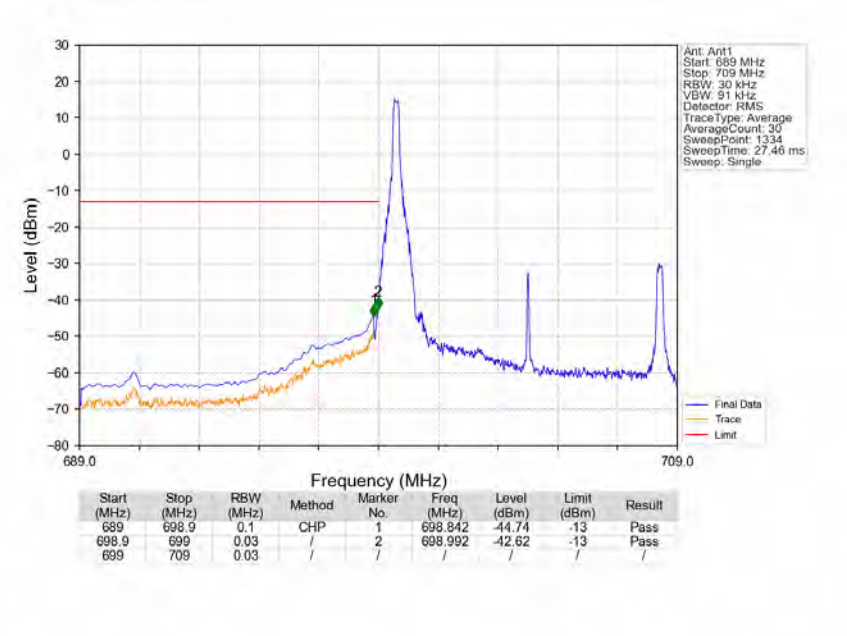
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-36.65	-13	Pass
716.1	726	0.1	CHP	2	716.158	-42.47	-13	Pass

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



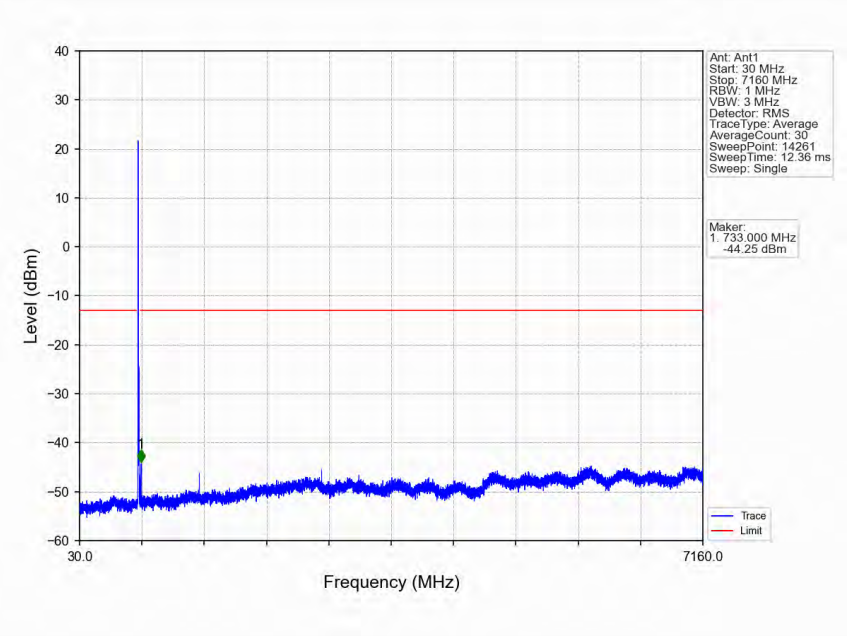
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.098	-33.57	-13	Pass
716.1	726	0.1	CHP	2	716.158	-30.25	-13	Pass

Band12_10MHz_64QAM_LCH_704MHz_RB_1_0_NTNV

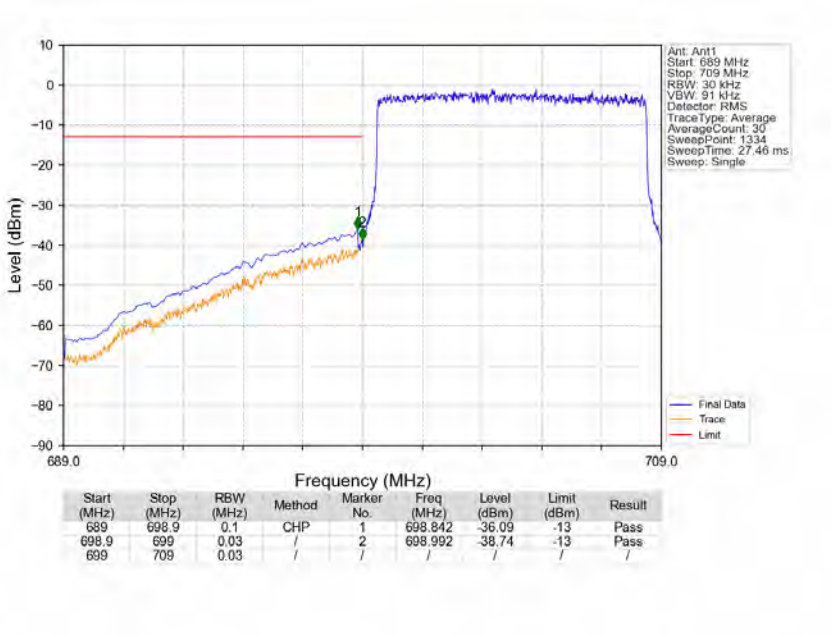


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-44.74	-13	Pass
698.9	699	0.03	/	2	698.992	-42.62	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_64QAM_LCH_704MHz_RB_1_0_NTNV

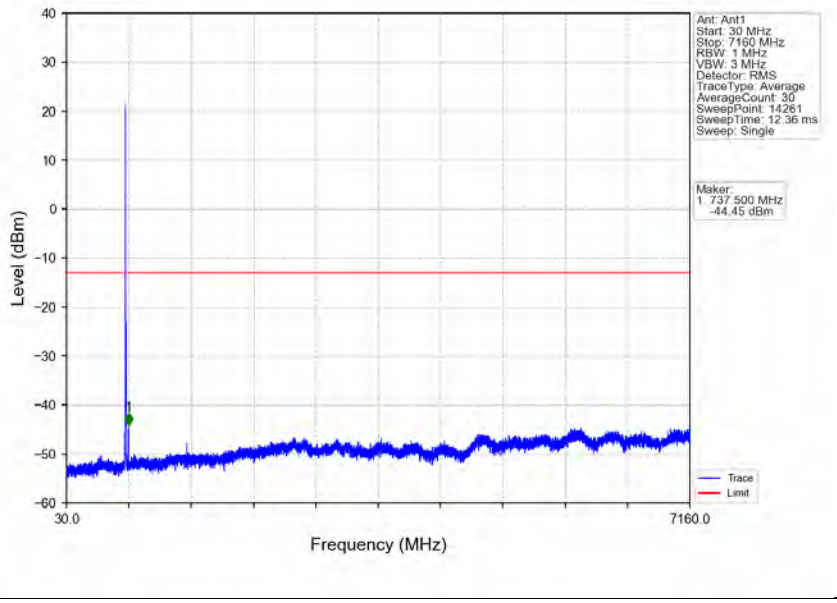


Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV

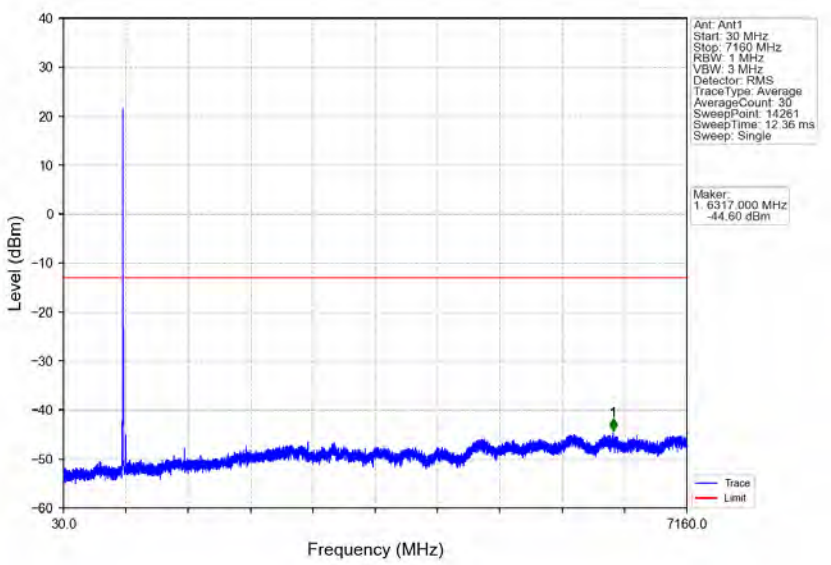


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-36.09	-13	Pass
698.9	699	0.03	/	2	698.992	-38.74	-13	Pass
699	709	0.03	/	/	/	/	/	/

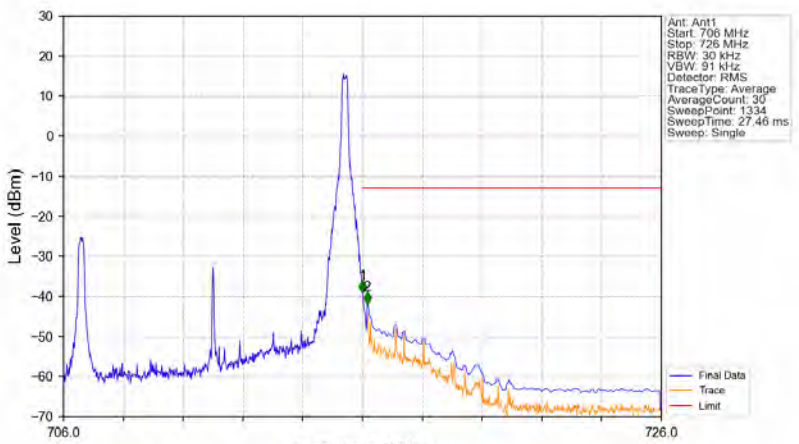
Band12_10MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_1_0_NTNV

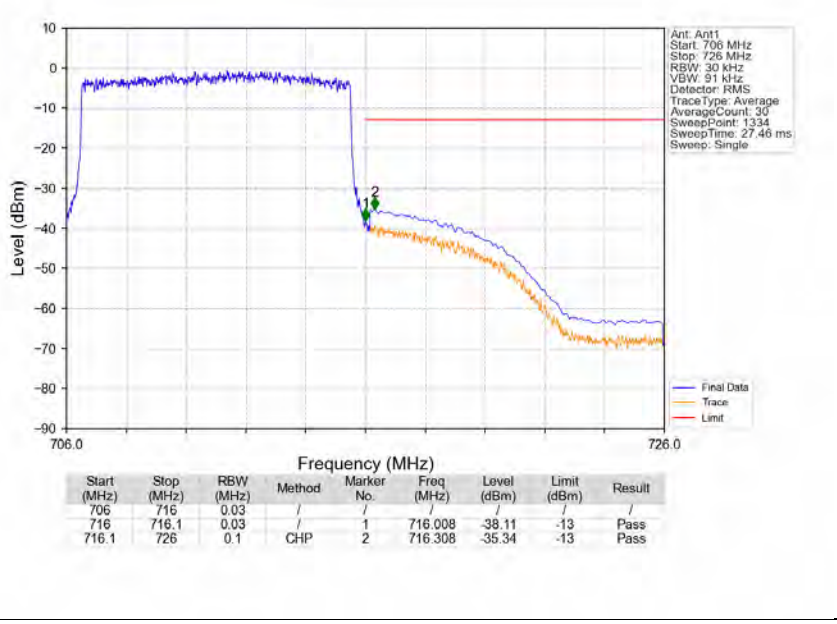


Band12_10MHz_64QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-39.14	-13	Pass
716.1	726	0.1	CHP	2	716.158	-41.91	-13	Pass

Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-38.11	-13	Pass
716.1	726	0.1	CHP	2	716.308	-35.34	-13	Pass