1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.69	3.00	24.54	<=34.77	Pass
			2	23.73	3.00	24.58	<=34.77	Pass
			5	23.70	3.00	24.55	<=34.77	Pass
		3	0	23.71	3.00	24.56	<=34.77	Pass
			2	23.73	3.00	24.58	<=34.77	Pass
			3	23.66	3.00	24.51	<=34.77	Pass
		6	0	22.75	3.00	23.60	<=34.77	Pass
	707.5	1	0	23.76	3.00	24.61	<=34.77	Pass
			2	23.83	3.00	24.68	<=34.77	Pass
			5	23.79	3.00	24.64	<=34.77	Pass
		3	0	23.80	3.00	24.65	<=34.77	Pass
			2	23.83	3.00	24.68	<=34.77	Pass
			3	23.78	3.00	24.63	<=34.77	Pass
		6	0	22.77	3.00	23.62	<=34.77	Pass
	715.3	1	0	23.89	3.00	24.74	<=34.77	Pass
			2	23.92	3.00	24.77	<=34.77	Pass
			5	23.88	3.00	24.73	<=34.77	Pass
		3	0	23.90	3.00	24.75	<=34.77	Pass
			2	23.94	3.00	24.79	<=34.77	Pass
			3	23.89	3.00	24.74	<=34.77	Pass
		6	0	22.94	3.00	23.79	<=34.77	Pass
16QAM	699.7	1	0	22.83	3.00	23.68	<=34.77	Pass
			2	22.89	3.00	23.74	<=34.77	Pass
			5	22.80	3.00	23.65	<=34.77	Pass
		3	0	22.67	3.00	23.52	<=34.77	Pass
			2	22.71	3.00	23.56	<=34.77	Pass
			3	22.63	3.00	23.48	<=34.77	Pass
		6	0	21.71	3.00	22.56	<=34.77	Pass
	707.5	1	0	22.81	3.00	23.66	<=34.77	Pass
			2	22.87	3.00	23.72	<=34.77	Pass
			5	22.83	3.00	23.68	<=34.77	Pass
		3	0	22.88	3.00	23.73	<=34.77	Pass
			2	22.94	3.00	23.79	<=34.77	Pass
			3	22.86	3.00	23.71	<=34.77	Pass
		6	0	21.73	3.00	22.58	<=34.77	Pass
	715.3	1	0	22.86	3.00	23.71	<=34.77	Pass
			2	22.86	3.00	23.71	<=34.77	Pass
			5	22.84	3.00	23.69	<=34.77	Pass
		3	0	23.06	3.00	23.91	<=34.77	Pass
			2	23.16	3.00	24.01	<=34.77	Pass
			3	23.10	3.00	23.95	<=34.77	Pass
		6	0	21.93	3.00	22.78	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.79	3.00	24.64	<=34.77	Pass
			7	23.86	3.00	24.71	<=34.77	Pass
			14	23.72	3.00	24.57	<=34.77	Pass
		8	0	22.85	3.00	23.70	<=34.77	Pass
			4	22.88	3.00	23.73	<=34.77	Pass
			7	22.82	3.00	23.67	<=34.77	Pass
		15	0	22.80	3.00	23.65	<=34.77	Pass
	707.5	1	0	23.85	3.00	24.70	<=34.77	Pass
			7	23.90	3.00	24.75	<=34.77	Pass
			14	23.79	3.00	24.64	<=34.77	Pass
		8	0	22.88	3.00	23.73	<=34.77	Pass
			4	22.90	3.00	23.75	<=34.77	Pass
			7	22.86	3.00	23.71	<=34.77	Pass
		15	0	22.90	3.00	23.75	<=34.77	Pass
	714.5	1	0	23.94	3.00	24.79	<=34.77	Pass
			7	24.09	3.00	24.94	<=34.77	Pass
			14	23.97	3.00	24.82	<=34.77	Pass
		8	0	22.98	3.00	23.83	<=34.77	Pass
			4	23.09	3.00	23.94	<=34.77	Pass
			7	23.04	3.00	23.89	<=34.77	Pass
		15	0	22.92	3.00	23.77	<=34.77	Pass
16QAM	700.5	1	0	23.28	3.00	24.13	<=34.77	Pass
			7	23.30	3.00	24.15	<=34.77	Pass
			14	23.16	3.00	24.01	<=34.77	Pass
		8	0	21.96	3.00	22.81	<=34.77	Pass
			4	22.00	3.00	22.85	<=34.77	Pass
			7	21.94	3.00	22.79	<=34.77	Pass
		15	0	21.87	3.00	22.72	<=34.77	Pass
	707.5	1	0	22.99	3.00	23.84	<=34.77	Pass
			7	23.08	3.00	23.93	<=34.77	Pass
			14	22.96	3.00	23.81	<=34.77	Pass
		8	0	21.86	3.00	22.71	<=34.77	Pass
			4	21.89	3.00	22.74	<=34.77	Pass
			7	21.85	3.00	22.70	<=34.77	Pass
		15	0	21.87	3.00	22.72	<=34.77	Pass
	714.5	1	0	22.92	3.00	23.77	<=34.77	Pass
			7	23.04	3.00	23.89	<=34.77	Pass
			14	22.97	3.00	23.82	<=34.77	Pass
		8	0	22.00	3.00	22.85	<=34.77	Pass
			4	22.10	3.00	22.95	<=34.77	Pass
			7	22.07	3.00	22.92	<=34.77	Pass
		15	0	21.96	3.00	22.81	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.79	3.00	24.64	<=34.77	Pass
			13	23.86	3.00	24.71	<=34.77	Pass
			24	23.80	3.00	24.65	<=34.77	Pass

		12	0	22.81	3.00	23.66	<=34.77	Pass
			6	22.81	3.00	23.66	<=34.77	Pass
			13	22.86	3.00	23.71	<=34.77	Pass
		25	0	22.92	3.00	23.77	<=34.77	Pass
	707.5	1	0	23.81	3.00	24.66	<=34.77	Pass
			13	23.88	3.00	24.73	<=34.77	Pass
			24	23.73	3.00	24.58	<=34.77	Pass
		12	0	22.85	3.00	23.70	<=34.77	Pass
			6	22.88	3.00	23.73	<=34.77	Pass
			13	22.80	3.00	23.65	<=34.77	Pass
		25	0	22.83	3.00	23.68	<=34.77	Pass
	713.5	1	0	23.92	3.00	24.77	<=34.77	Pass
			13	23.94	3.00	24.79	<=34.77	Pass
			24	23.91	3.00	24.76	<=34.77	Pass
		12	0	22.90	3.00	23.75	<=34.77	Pass
			6	22.95	3.00	23.80	<=34.77	Pass
			13	22.88	3.00	23.73	<=34.77	Pass
		25	0	22.89	3.00	23.74	<=34.77	Pass
16QAM	701.5	1	0	22.58	3.00	23.43	<=34.77	Pass
			13	22.62	3.00	23.47	<=34.77	Pass
			24	22.61	3.00	23.46	<=34.77	Pass
		12	0	21.80	3.00	22.65	<=34.77	Pass
			6	21.81	3.00	22.66	<=34.77	Pass
			13	21.86	3.00	22.71	<=34.77	Pass
		25	0	21.88	3.00	22.73	<=34.77	Pass
	707.5	1	0	23.03	3.00	23.88	<=34.77	Pass
			13	23.15	3.00	24.00	<=34.77	Pass
			24	22.97	3.00	23.82	<=34.77	Pass
		12	0	21.93	3.00	22.78	<=34.77	Pass
			6	21.93	3.00	22.78	<=34.77	Pass
			13	21.85	3.00	22.70	<=34.77	Pass
		25	0	21.86	3.00	22.71	<=34.77	Pass
	713.5	1	0	22.91	3.00	23.76	<=34.77	Pass
			13	22.93	3.00	23.78	<=34.77	Pass
			24	23.00	3.00	23.85	<=34.77	Pass
		12	0	21.91	3.00	22.76	<=34.77	Pass
			6	21.93	3.00	22.78	<=34.77	Pass
			13	21.87	3.00	22.72	<=34.77	Pass
		25	0	21.92	3.00	22.77	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.75	3.00	24.60	<=34.77	Pass
			25	23.79	3.00	24.64	<=34.77	Pass
			49	23.70	3.00	24.55	<=34.77	Pass
		25	0	22.88	3.00	23.73	<=34.77	Pass
			13	22.89	3.00	23.74	<=34.77	Pass
			25	22.86	3.00	23.71	<=34.77	Pass
		50	0	22.89	3.00	23.74	<=34.77	Pass
	707.5	1	0	23.68	3.00	24.53	<=34.77	Pass
			25	23.75	3.00	24.60	<=34.77	Pass

			49	23.79	3.00	24.64	<=34.77	Pass
		25	0	22.89	3.00	23.74	<=34.77	Pass
			13	22.86	3.00	23.71	<=34.77	Pass
			25	22.77	3.00	23.62	<=34.77	Pass
		50	0	22.86	3.00	23.71	<=34.77	Pass
	711	1	0	23.85	3.00	24.70	<=34.77	Pass
			25	23.92	3.00	24.77	<=34.77	Pass
			49	23.94	3.00	24.79	<=34.77	Pass
		25	0	22.84	3.00	23.69	<=34.77	Pass
			13	22.85	3.00	23.70	<=34.77	Pass
			25	22.88	3.00	23.73	<=34.77	Pass
		50	0	22.83	3.00	23.68	<=34.77	Pass
16QAM	704	1	0	23.24	3.00	24.09	<=34.77	Pass
			25	23.30	3.00	24.15	<=34.77	Pass
			49	23.26	3.00	24.11	<=34.77	Pass
		25	0	21.93	3.00	22.78	<=34.77	Pass
			13	21.93	3.00	22.78	<=34.77	Pass
			25	21.89	3.00	22.74	<=34.77	Pass
		50	0	21.86	3.00	22.71	<=34.77	Pass
	707.5	1	0	22.84	3.00	23.69	<=34.77	Pass
			25	22.96	3.00	23.81	<=34.77	Pass
			49	22.91	3.00	23.76	<=34.77	Pass
		25	0	21.92	3.00	22.77	<=34.77	Pass
			13	21.89	3.00	22.74	<=34.77	Pass
			25	21.80	3.00	22.65	<=34.77	Pass
		50	0	21.84	3.00	22.69	<=34.77	Pass
	711	1	0	22.86	3.00	23.71	<=34.77	Pass
			25	22.86	3.00	23.71	<=34.77	Pass
			49	22.88	3.00	23.73	<=34.77	Pass
		25	0	21.92	3.00	22.77	<=34.77	Pass
			13	21.89	3.00	22.74	<=34.77	Pass
			25	21.96	3.00	22.81	<=34.77	Pass
		50	0	21.87	3.00	22.72	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	-6.136	-0.0088	-2.5 to 2.5	Pass
					3.85	-5.031	-0.0072	-2.5 to 2.5	Pass
					4.43	-0.862	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.007	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.469	0.0021	-2.5 to 2.5	Pass
				-10	3.85	0.101	0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.441	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-4.805	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-2.168	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-2.416	-0.0035	-2.5 to 2.5	Pass

				50	3.85	-1.654	-0.0024	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-19.446	-0.0275	-2.5 to 2.5	Pass
					3.85	-9.339	-0.0132	-2.5 to 2.5	Pass
					4.43	-5.618	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-3.129	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-2.687	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-3.507	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-1.499	-0.0021	-2.5 to 2.5	Pass
				10	3.85	0.681	0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.696	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.196	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-3.091	-0.0044	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-20.720	-0.0290	-2.5 to 2.5	Pass
					3.85	-11.515	-0.0161	-2.5 to 2.5	Pass
					4.43	-8.041	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-3.415	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-6.171	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-2.088	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-1.469	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.689	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-2.619	-0.0037	-2.5 to 2.5	Pass
				40	3.85	1.181	0.0017	-2.5 to 2.5	Pass
				50	3.85	-2.136	-0.0030	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	0.148	0.0002	-2.5 to 2.5	Pass
					3.85	1.362	0.0019	-2.5 to 2.5	Pass
					4.43	1.925	0.0028	-2.5 to 2.5	Pass
				-30	3.85	2.476	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-1.678	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	2.177	0.0031	-2.5 to 2.5	Pass
				0	3.85	-2.630	-0.0038	-2.5 to 2.5	Pass
				10	3.85	2.959	0.0042	-2.5 to 2.5	Pass
				30	3.85	-0.127	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.943	0.0028	-2.5 to 2.5	Pass
				50	3.85	-3.205	-0.0046	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-3.086	-0.0044	-2.5 to 2.5	Pass
					3.85	-2.095	-0.0030	-2.5 to 2.5	Pass
					4.43	3.503	0.0050	-2.5 to 2.5	Pass
				-30	3.85	-1.322	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.002	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-1.162	-0.0016	-2.5 to 2.5	Pass
				0	3.85	1.503	0.0021	-2.5 to 2.5	Pass
				10	3.85	2.565	0.0036	-2.5 to 2.5	Pass
				30	3.85	-1.733	-0.0024	-2.5 to 2.5	Pass
				40	3.85	1.470	0.0021	-2.5 to 2.5	Pass
				50	3.85	0.825	0.0012	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	2.340	0.0033	-2.5 to 2.5	Pass
					3.85	3.155	0.0044	-2.5 to 2.5	Pass
					4.43	-2.631	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	2.275	0.0032	-2.5 to 2.5	Pass
				-20	3.85	2.614	0.0037	-2.5 to 2.5	Pass
				-10	3.85	-4.132	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-3.702	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-1.078	-0.0015	-2.5 to 2.5	Pass
				30	3.85	0.402	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.939	0.0027	-2.5 to 2.5	Pass
				50	3.85	-3.880	-0.0054	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	2.145	0.0031	-2.5 to 2.5	Pass
					3.85	0.055	0.0001	-2.5 to 2.5	Pass
					4.43	0.600	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.231	0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.345	0.0048	-2.5 to 2.5	Pass
				-10	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				0	3.85	0.869	0.0012	-2.5 to 2.5	Pass
				10	3.85	5.056	0.0072	-2.5 to 2.5	Pass
				30	3.85	1.811	0.0026	-2.5 to 2.5	Pass
				40	3.85	-0.317	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.926	0.0013	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-2.382	-0.0034	-2.5 to 2.5	Pass
					3.85	-3.148	-0.0044	-2.5 to 2.5	Pass
					4.43	-2.103	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-0.274	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.727	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.250	-0.0032	-2.5 to 2.5	Pass
				0	3.85	2.450	0.0035	-2.5 to 2.5	Pass
				10	3.85	2.116	0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.013	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-6.120	-0.0087	-2.5 to 2.5	Pass
				50	3.85	-4.848	-0.0069	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	4.767	0.0067	-2.5 to 2.5	Pass
					3.85	5.212	0.0073	-2.5 to 2.5	Pass
					4.43	3.123	0.0044	-2.5 to 2.5	Pass
				-30	3.85	1.809	0.0025	-2.5 to 2.5	Pass
				-20	3.85	5.324	0.0075	-2.5 to 2.5	Pass
				-10	3.85	2.588	0.0036	-2.5 to 2.5	Pass
				0	3.85	6.434	0.0090	-2.5 to 2.5	Pass
				10	3.85	5.092	0.0071	-2.5 to 2.5	Pass
				30	3.85	3.819	0.0053	-2.5 to 2.5	Pass
				40	3.85	6.246	0.0087	-2.5 to 2.5	Pass
				50	3.85	5.031	0.0070	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	3.553	0.0051	-2.5 to 2.5	Pass
					3.85	0.978	0.0014	-2.5 to 2.5	Pass
					4.43	5.928	0.0085	-2.5 to 2.5	Pass
				-30	3.85	1.146	0.0016	-2.5 to 2.5	Pass
				-20	3.85	5.227	0.0075	-2.5 to 2.5	Pass
				-10	3.85	4.355	0.0062	-2.5 to 2.5	Pass
				0	3.85	3.553	0.0051	-2.5 to 2.5	Pass
				10	3.85	-0.556	-0.0008	-2.5 to 2.5	Pass
				30	3.85	3.033	0.0043	-2.5 to 2.5	Pass
				40	3.85	-0.897	-0.0013	-2.5 to 2.5	Pass
				50	3.85	3.617	0.0052	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-4.392	-0.0062	-2.5 to 2.5	Pass
					3.85	0.950	0.0013	-2.5 to 2.5	Pass
					4.43	2.603	0.0037	-2.5 to 2.5	Pass
				-30	3.85	2.040	0.0029	-2.5 to 2.5	Pass
				-20	3.85	-3.403	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-1.054	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.023	-0.0029	-2.5 to 2.5	Pass

				10	3.85	-0.845	-0.0012	-2.5 to 2.5	Pass
				30	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.051	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.936	-0.0013	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	3.256	0.0046	-2.5 to 2.5	Pass
					3.85	7.972	0.0112	-2.5 to 2.5	Pass
					4.43	5.227	0.0073	-2.5 to 2.5	Pass
				-30	3.85	0.448	0.0006	-2.5 to 2.5	Pass
				-20	3.85	4.917	0.0069	-2.5 to 2.5	Pass
				-10	3.85	1.318	0.0018	-2.5 to 2.5	Pass
				0	3.85	3.505	0.0049	-2.5 to 2.5	Pass
				10	3.85	6.073	0.0085	-2.5 to 2.5	Pass
				30	3.85	6.552	0.0092	-2.5 to 2.5	Pass
				40	3.85	8.303	0.0116	-2.5 to 2.5	Pass
				50	3.85	9.743	0.0136	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	0.839	0.0012	-2.5 to 2.5	Pass
					3.85	0.132	0.0002	-2.5 to 2.5	Pass
					4.43	-1.187	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.896	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	1.049	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.630	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.833	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-0.792	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.208	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-3.100	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-3.324	-0.0047	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-5.041	-0.0071	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0053	-2.5 to 2.5	Pass
					4.43	-5.680	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-1.112	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.606	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-4.259	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-4.722	-0.0067	-2.5 to 2.5	Pass
				10	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.479	0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.568	-0.0036	-2.5 to 2.5	Pass
				50	3.85	2.969	0.0042	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.993	0.0014	-2.5 to 2.5	Pass
					3.85	3.091	0.0043	-2.5 to 2.5	Pass
					4.43	0.752	0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.693	0.0024	-2.5 to 2.5	Pass
				-20	3.85	-5.153	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	0.977	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.005	0.0028	-2.5 to 2.5	Pass
				10	3.85	-4.790	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-3.012	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-3.620	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-3.805	-0.0053	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-2.274	-0.0032	-2.5 to 2.5	Pass

					3.85	-1.843	-0.0026	-2.5 to 2.5	Pass
					4.43	-3.882	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	1.026	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-5.505	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-1.194	-0.0017	-2.5 to 2.5	Pass
				0	3.85	1.833	0.0026	-2.5 to 2.5	Pass
				10	3.85	-1.890	-0.0027	-2.5 to 2.5	Pass
				30	3.85	2.526	0.0036	-2.5 to 2.5	Pass
				40	3.85	-2.974	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-3.074	-0.0044	-2.5 to 2.5	Pass
	707.5	25	0		3.27	-1.150	-0.0016	-2.5 to 2.5	Pass
				20	3.85	-2.931	-0.0041	-2.5 to 2.5	Pass
					4.43	-4.619	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-3.552	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-3.328	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-4.579	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-2.305	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-1.029	-0.0015	-2.5 to 2.5	Pass
				30	3.85	1.801	0.0025	-2.5 to 2.5	Pass
				40	3.85	2.240	0.0032	-2.5 to 2.5	Pass
				50	3.85	-3.093	-0.0044	-2.5 to 2.5	Pass
	713.5	25	0		3.27	1.649	0.0023	-2.5 to 2.5	Pass
				20	3.85	-5.005	-0.0070	-2.5 to 2.5	Pass
					4.43	3.121	0.0044	-2.5 to 2.5	Pass
				-30	3.85	-0.581	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-5.283	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-2.329	-0.0033	-2.5 to 2.5	Pass
				0	3.85	2.245	0.0031	-2.5 to 2.5	Pass
				10	3.85	-3.761	-0.0053	-2.5 to 2.5	Pass
				30	3.85	0.763	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.554	0.0022	-2.5 to 2.5	Pass
				50	3.85	2.757	0.0039	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	1.808	0.0026	-2.5 to 2.5	Pass
					3.85	8.187	0.0116	-2.5 to 2.5	Pass
					4.43	3.501	0.0050	-2.5 to 2.5	Pass
				-30	3.85	5.404	0.0077	-2.5 to 2.5	Pass
				-20	3.85	8.486	0.0121	-2.5 to 2.5	Pass
				-10	3.85	1.090	0.0015	-2.5 to 2.5	Pass
				0	3.85	4.113	0.0058	-2.5 to 2.5	Pass
				10	3.85	3.992	0.0057	-2.5 to 2.5	Pass
				30	3.85	6.872	0.0098	-2.5 to 2.5	Pass
				40	3.85	2.265	0.0032	-2.5 to 2.5	Pass
				50	3.85	0.071	0.0001	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-3.673	-0.0052	-2.5 to 2.5	Pass
					3.85	-3.877	-0.0055	-2.5 to 2.5	Pass
					4.43	-5.481	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	0.746	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-4.422	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	0.631	0.0009	-2.5 to 2.5	Pass

				0	3.85	-2.668	-0.0038	-2.5 to 2.5	Pass
				10	3.85	0.647	0.0009	-2.5 to 2.5	Pass
				30	3.85	-3.787	-0.0054	-2.5 to 2.5	Pass
				40	3.85	0.054	0.0001	-2.5 to 2.5	Pass
				50	3.85	-4.569	-0.0065	-2.5 to 2.5	Pass
	711	50	0	20	3.27	1.654	0.0023	-2.5 to 2.5	Pass
					3.85	2.385	0.0034	-2.5 to 2.5	Pass
					4.43	0.858	0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.369	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.472	-0.0035	-2.5 to 2.5	Pass
				0	3.85	1.299	0.0018	-2.5 to 2.5	Pass
				10	3.85	1.977	0.0028	-2.5 to 2.5	Pass
				30	3.85	4.022	0.0057	-2.5 to 2.5	Pass
				40	3.85	3.544	0.0050	-2.5 to 2.5	Pass
				50	3.85	0.551	0.0008	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	0.483	0.0007	-2.5 to 2.5	Pass
					3.85	7.874	0.0112	-2.5 to 2.5	Pass
					4.43	1.397	0.0020	-2.5 to 2.5	Pass
				-30	3.85	3.942	0.0056	-2.5 to 2.5	Pass
				-20	3.85	6.017	0.0085	-2.5 to 2.5	Pass
				-10	3.85	5.699	0.0081	-2.5 to 2.5	Pass
				0	3.85	0.391	0.0006	-2.5 to 2.5	Pass
				10	3.85	5.224	0.0074	-2.5 to 2.5	Pass
				30	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.562	0.0022	-2.5 to 2.5	Pass
				50	3.85	3.057	0.0043	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-5.228	-0.0074	-2.5 to 2.5	Pass
					3.85	-5.260	-0.0074	-2.5 to 2.5	Pass
					4.43	-2.671	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	0.256	0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.907	0.0041	-2.5 to 2.5	Pass
				-10	3.85	-2.809	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-1.648	-0.0023	-2.5 to 2.5	Pass
				10	3.85	0.504	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.251	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.694	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.021	0.0014	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-1.033	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.405	-0.0020	-2.5 to 2.5	Pass
					4.43	0.967	0.0014	-2.5 to 2.5	Pass
				-30	3.85	3.284	0.0046	-2.5 to 2.5	Pass
				-20	3.85	5.262	0.0074	-2.5 to 2.5	Pass
				-10	3.85	-0.612	-0.0009	-2.5 to 2.5	Pass
				0	3.85	0.618	0.0009	-2.5 to 2.5	Pass
				10	3.85	4.272	0.0060	-2.5 to 2.5	Pass
				30	3.85	-4.159	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-2.474	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-1.603	-0.0023	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.102	/	Pass
		707.5	6	0	1.105	/	Pass
		715.3	6	0	1.116	/	Pass
	16QAM	699.7	6	0	1.109	/	Pass
		707.5	6	0	1.099	/	Pass
		715.3	6	0	1.107	/	Pass
3	QPSK	700.5	15	0	2.758	/	Pass
		707.5	15	0	2.745	/	Pass
		714.5	15	0	2.753	/	Pass
	16QAM	700.5	15	0	2.737	/	Pass
		707.5	15	0	2.740	/	Pass
		714.5	15	0	2.743	/	Pass
5	QPSK	701.5	25	0	4.548	/	Pass
		707.5	25	0	4.549	/	Pass
		713.5	25	0	4.548	/	Pass
	16QAM	701.5	25	0	4.535	/	Pass
		707.5	25	0	4.564	/	Pass
		713.5	25	0	4.551	/	Pass
10	QPSK	704	50	0	9.057	/	Pass
		707.5	50	0	9.101	/	Pass
		711	50	0	9.004	/	Pass
	16QAM	704	50	0	9.040	/	Pass
		707.5	50	0	9.071	/	Pass
		711	50	0	9.031	/	Pass

3.1.2 Band12_XDB

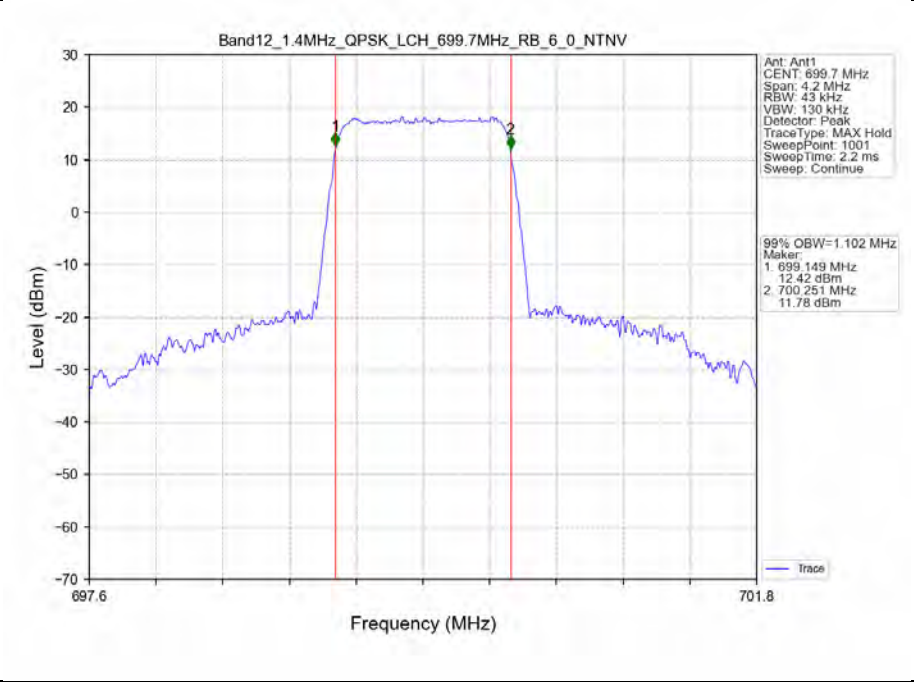
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.263	/	Pass
		707.5	6	0	1.272	/	Pass
		715.3	6	0	1.266	/	Pass
	16QAM	699.7	6	0	1.264	/	Pass
		707.5	6	0	1.252	/	Pass
		715.3	6	0	1.264	/	Pass
3	QPSK	700.5	15	0	3.066	/	Pass
		707.5	15	0	3.089	/	Pass
		714.5	15	0	3.085	/	Pass
	16QAM	700.5	15	0	3.052	/	Pass
		707.5	15	0	3.087	/	Pass
		714.5	15	0	3.082	/	Pass
5	QPSK	701.5	25	0	5.030	/	Pass
		707.5	25	0	5.061	/	Pass
		713.5	25	0	5.051	/	Pass
	16QAM	701.5	25	0	5.061	/	Pass
		707.5	25	0	5.074	/	Pass
		713.5	25	0	5.074	/	Pass
10	QPSK	704	50	0	9.940	/	Pass
		707.5	50	0	10.016	/	Pass

		711	50	0	9.912	/	Pass
	16QAM	704	50	0	9.922	/	Pass
		707.5	50	0	10.023	/	Pass
		711	50	0	9.882	/	Pass

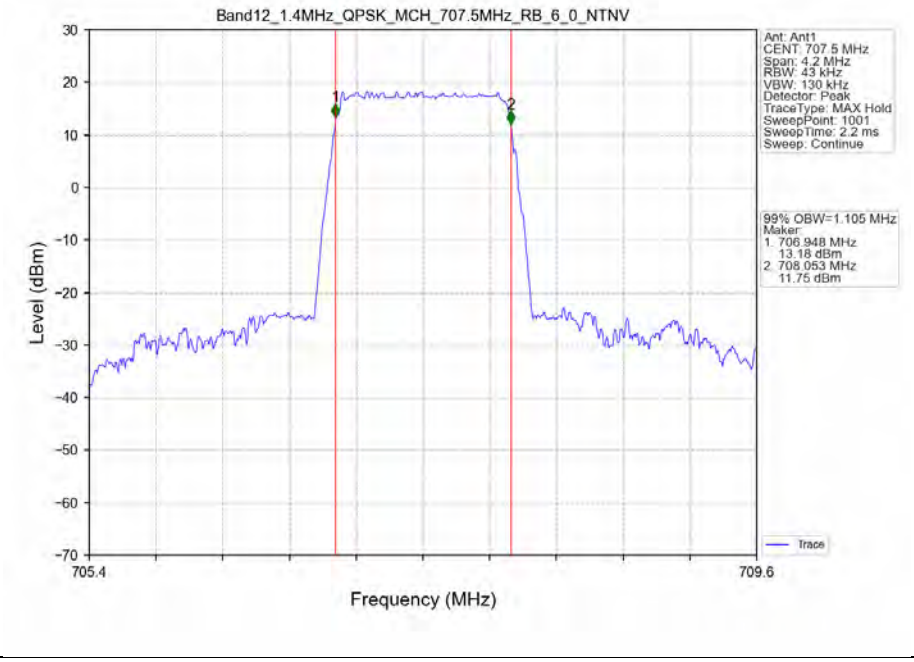
3.2 Test Graph

3.2.1 Band12_OBW

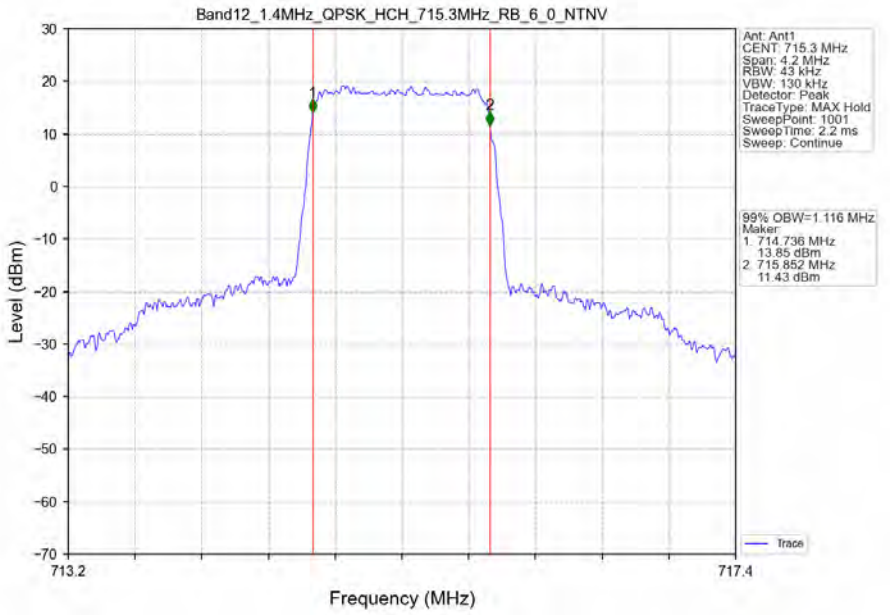
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



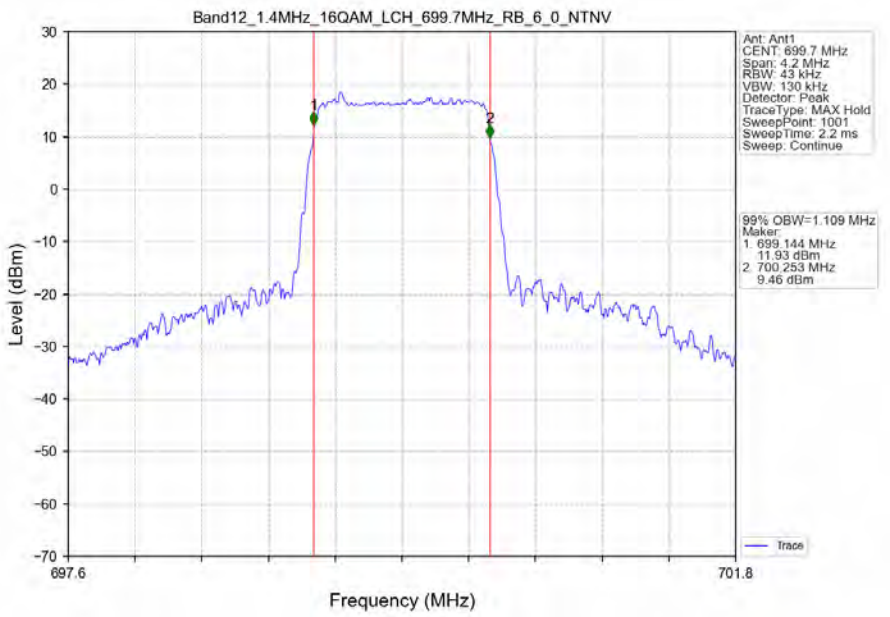
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



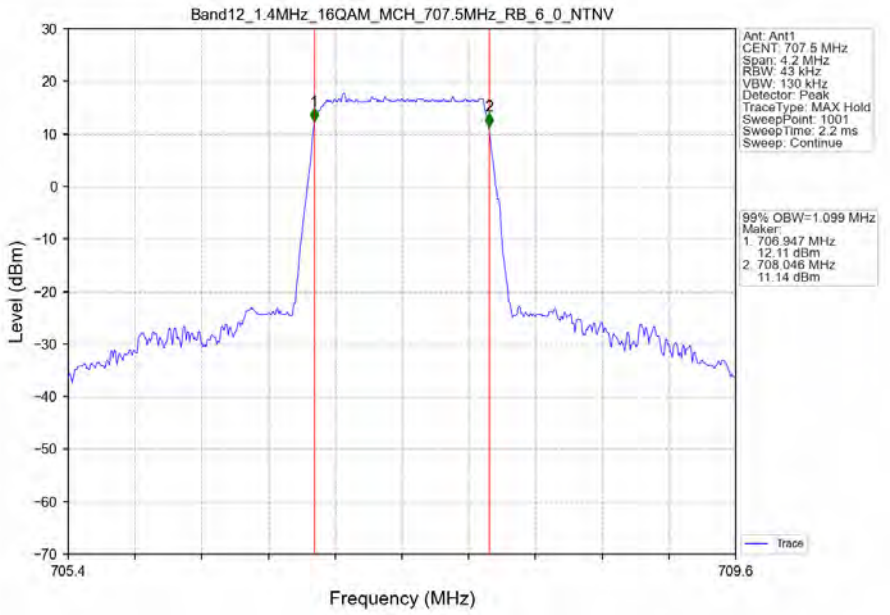
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



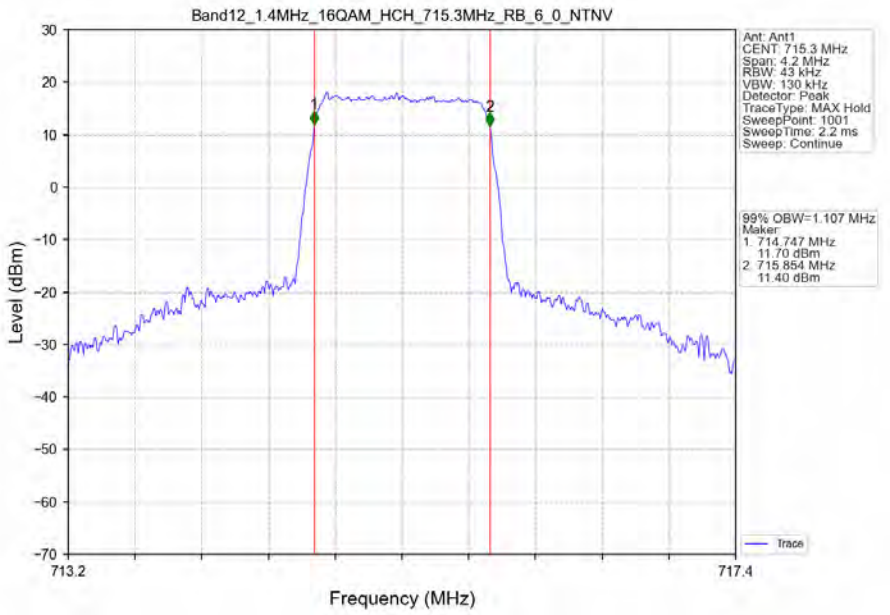
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



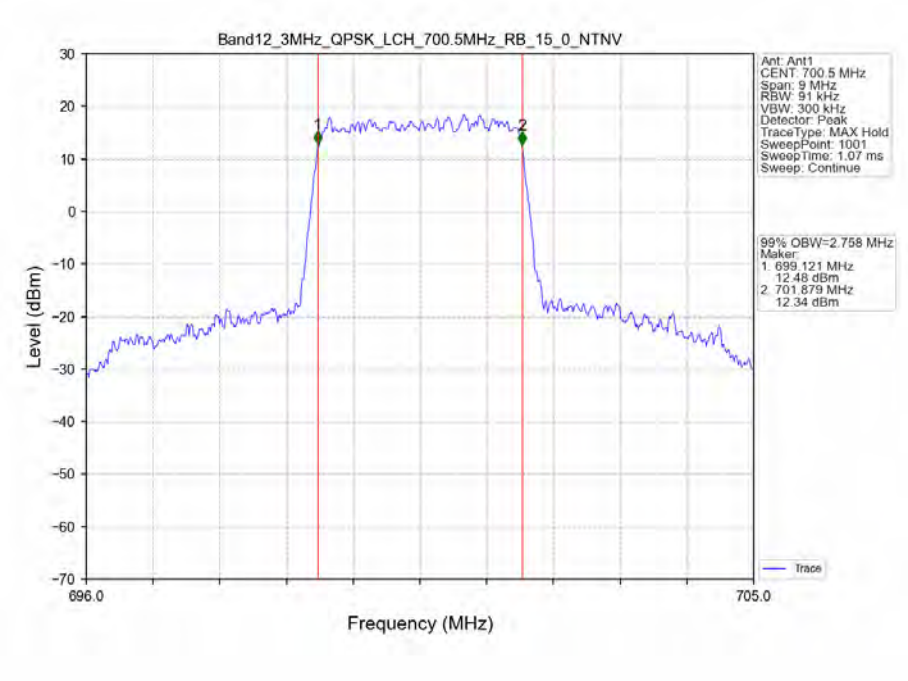
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



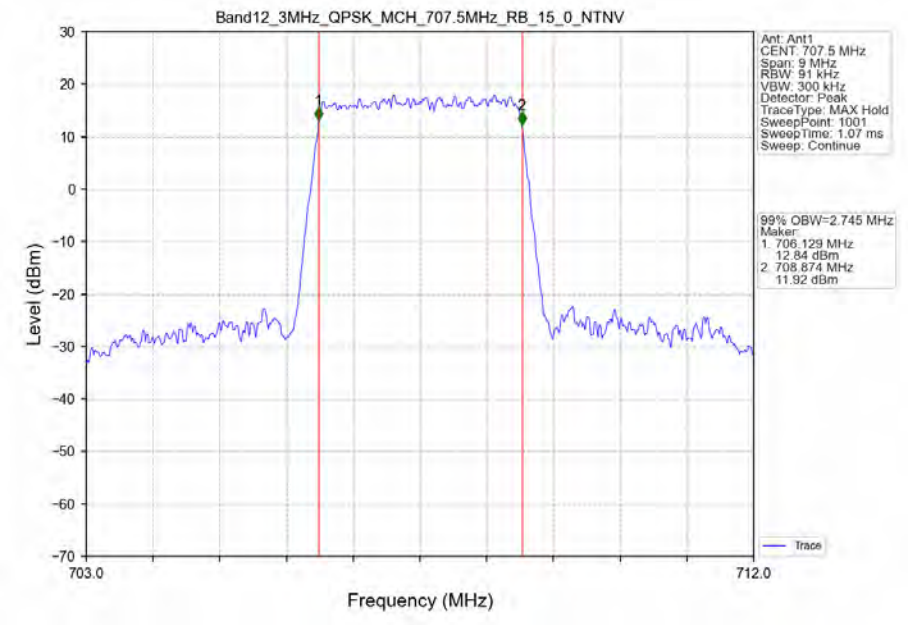
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



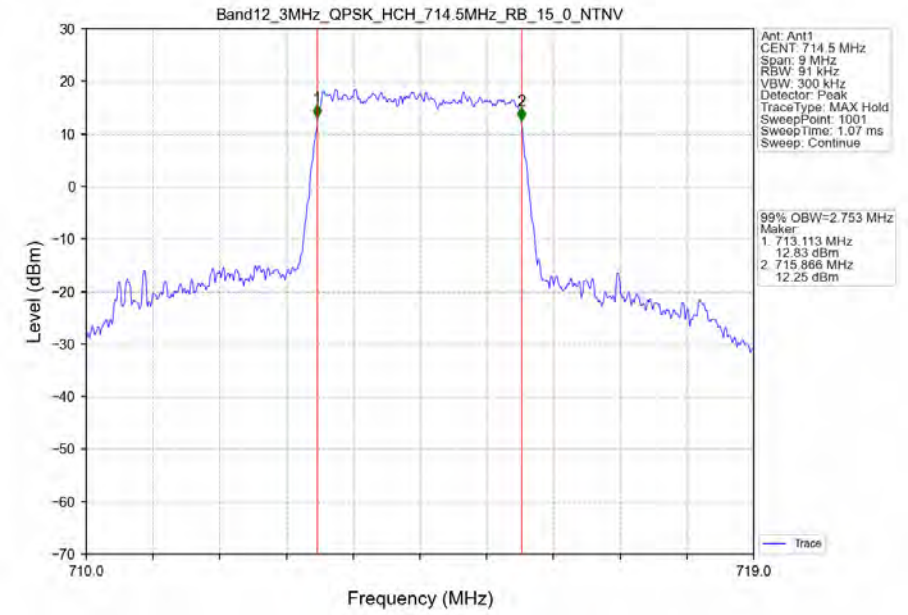
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



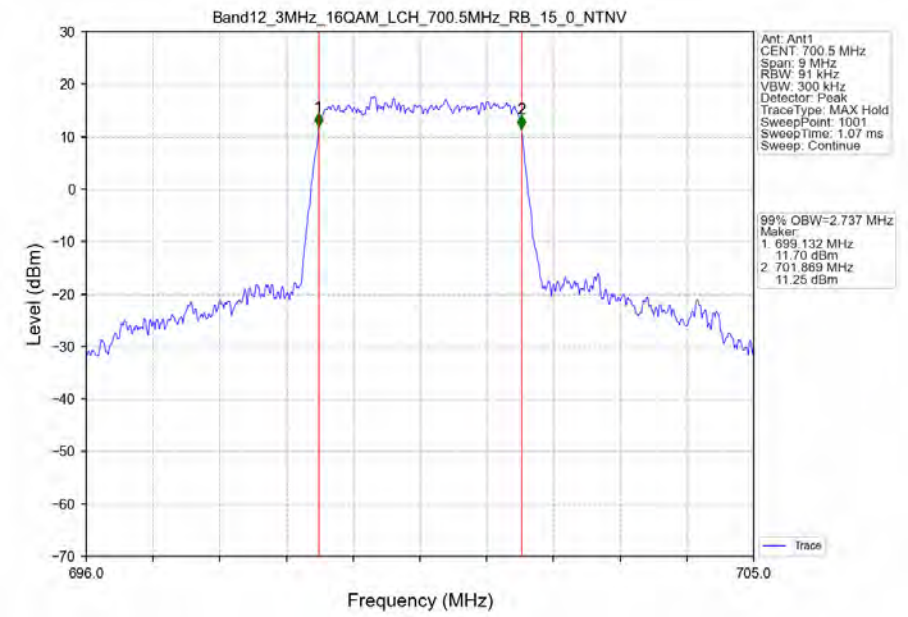
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



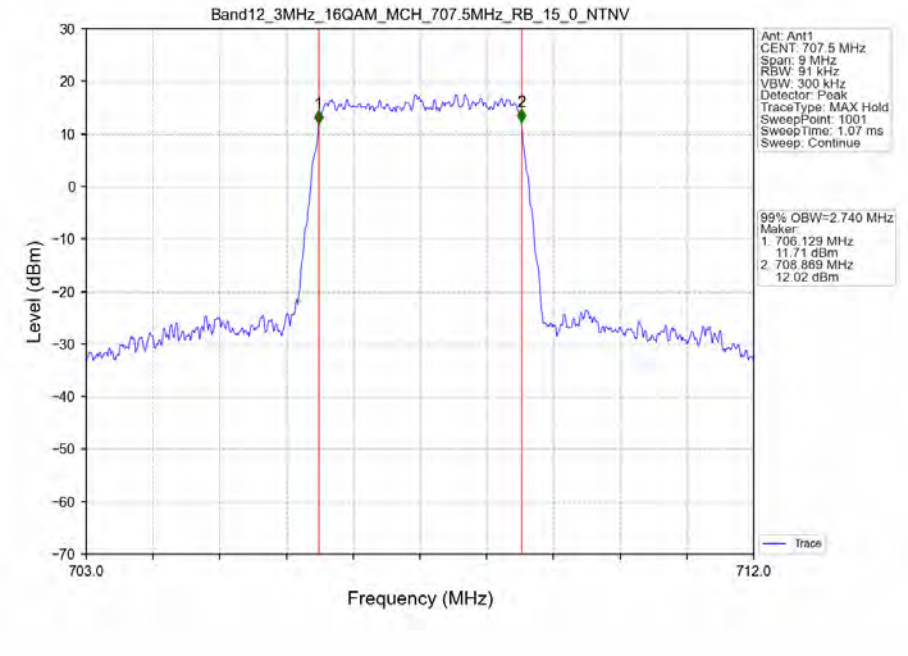
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



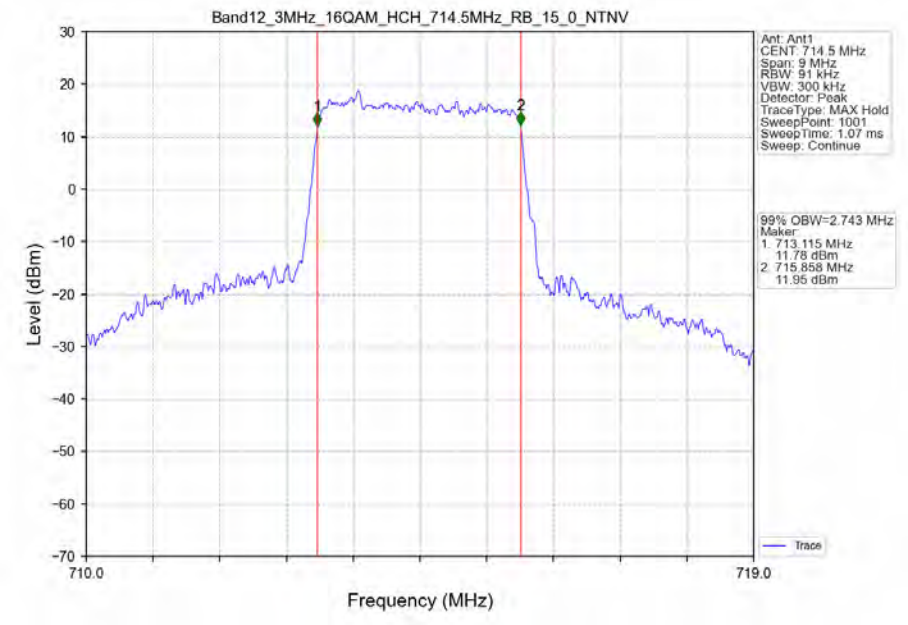
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



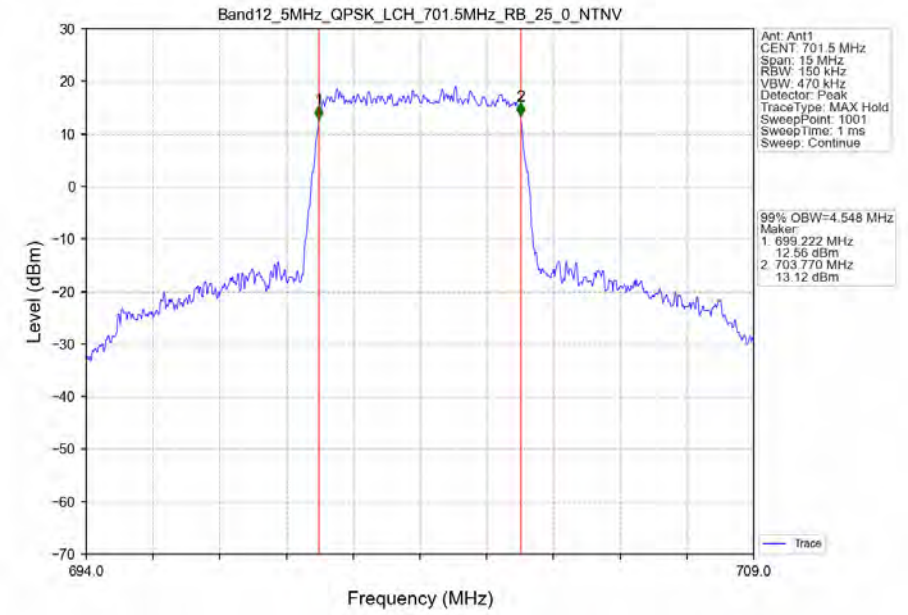
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



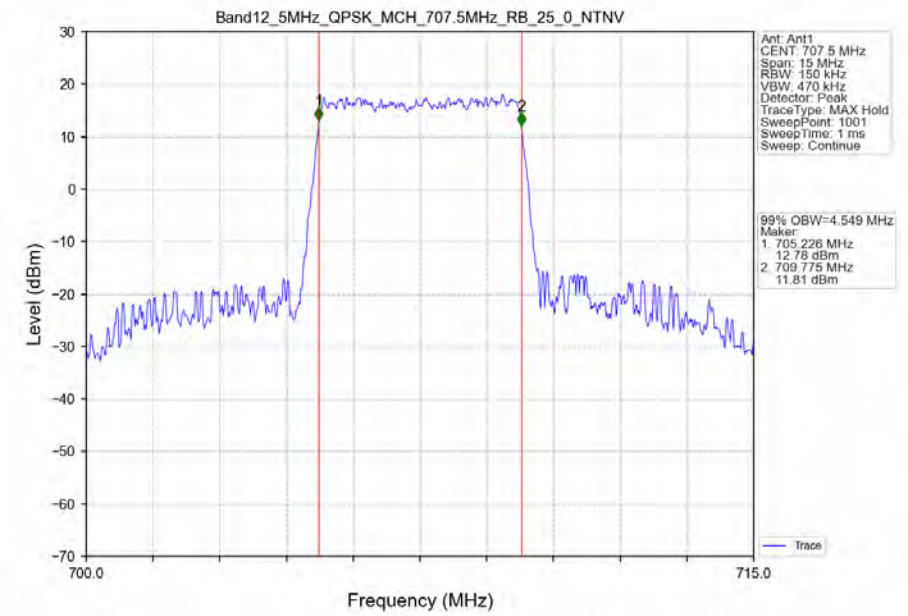
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



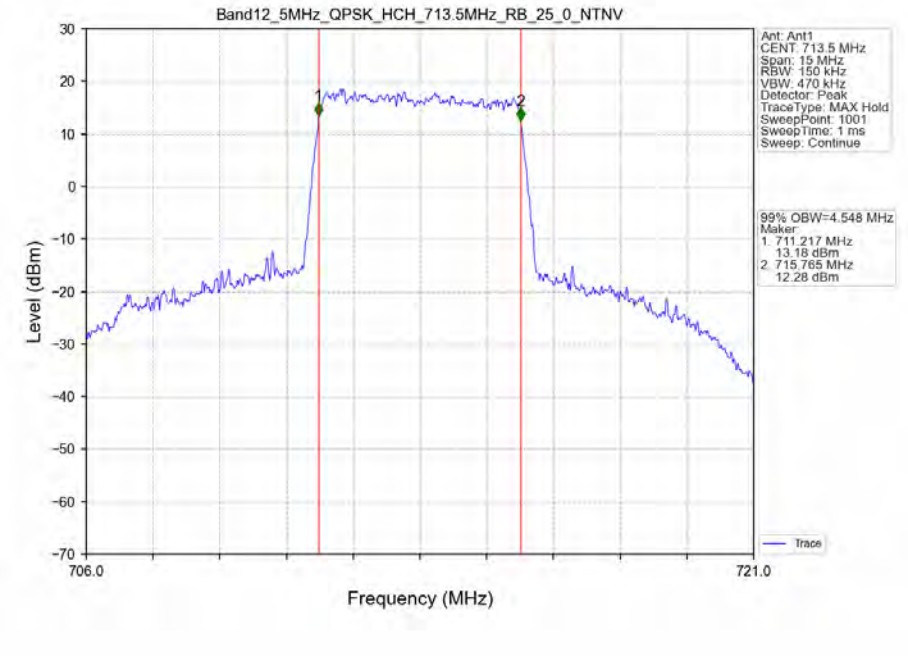
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



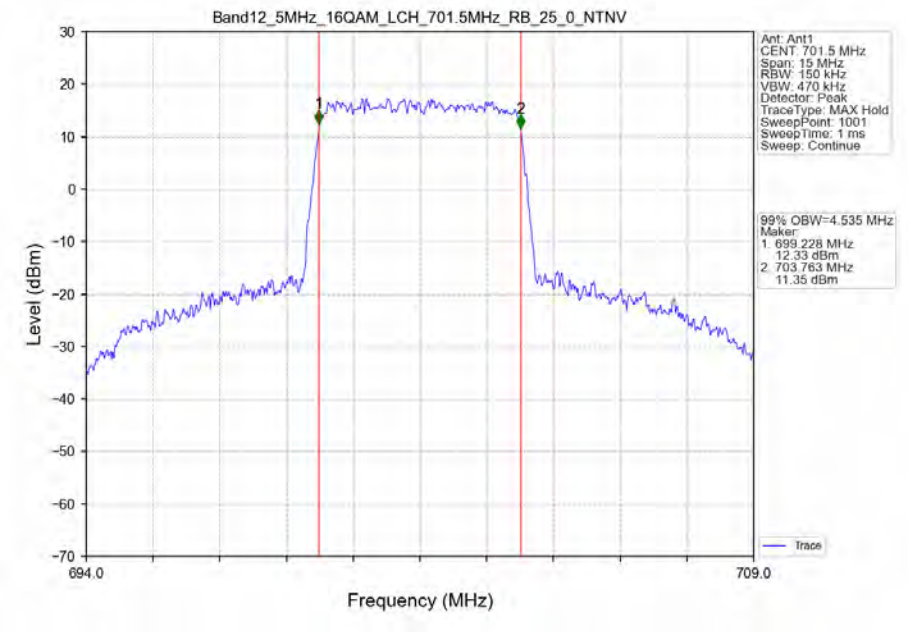
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



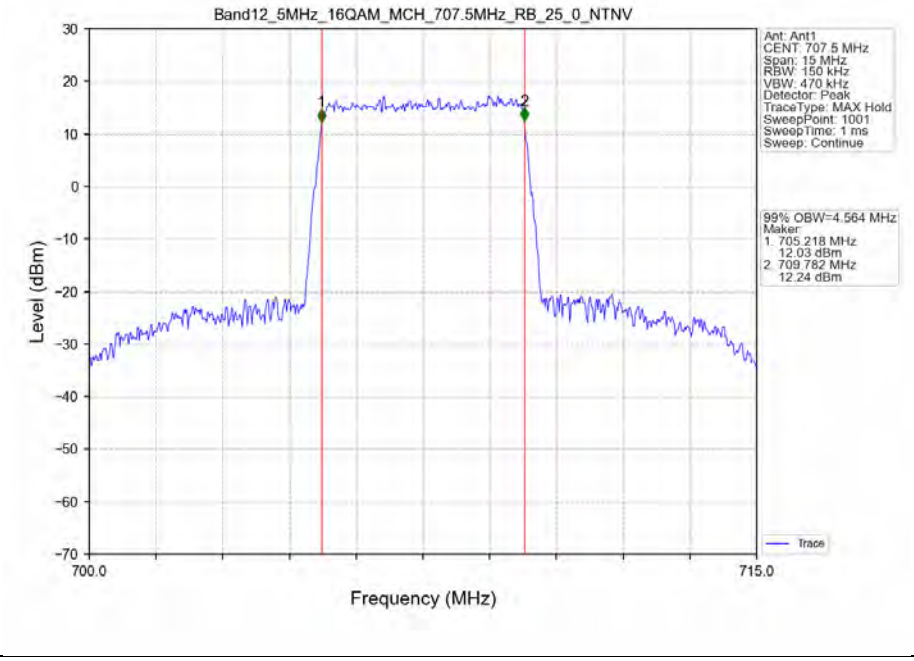
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



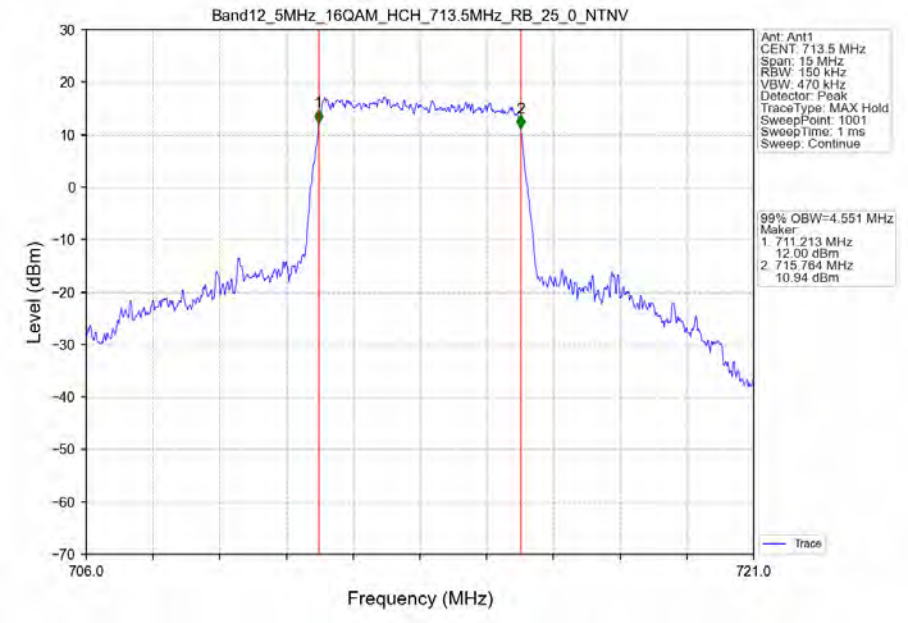
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



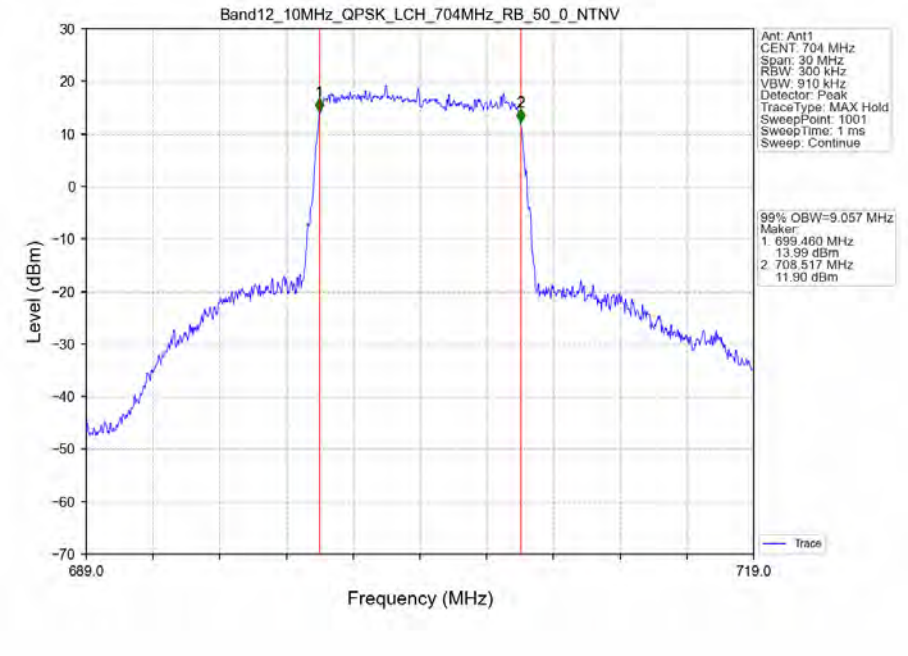
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



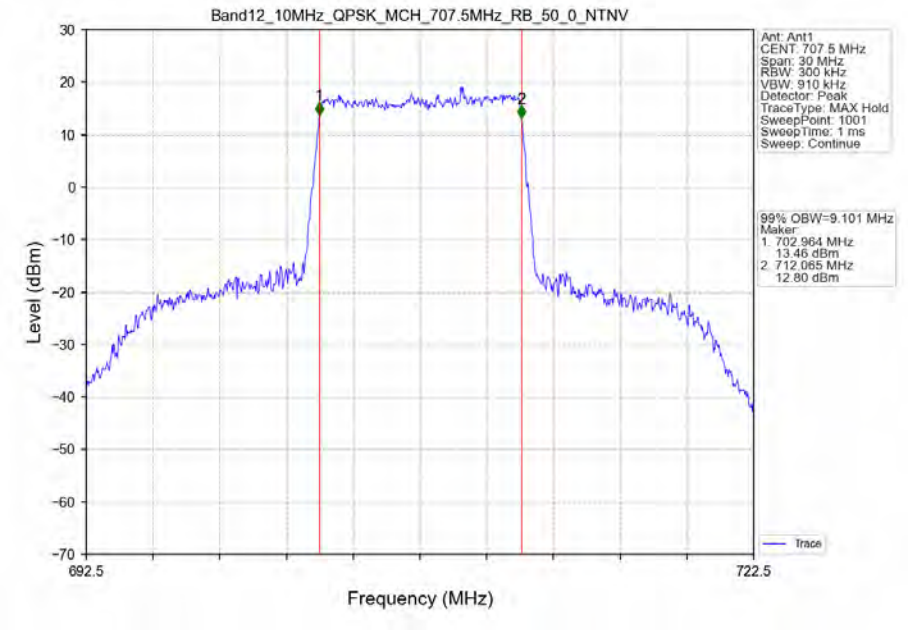
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



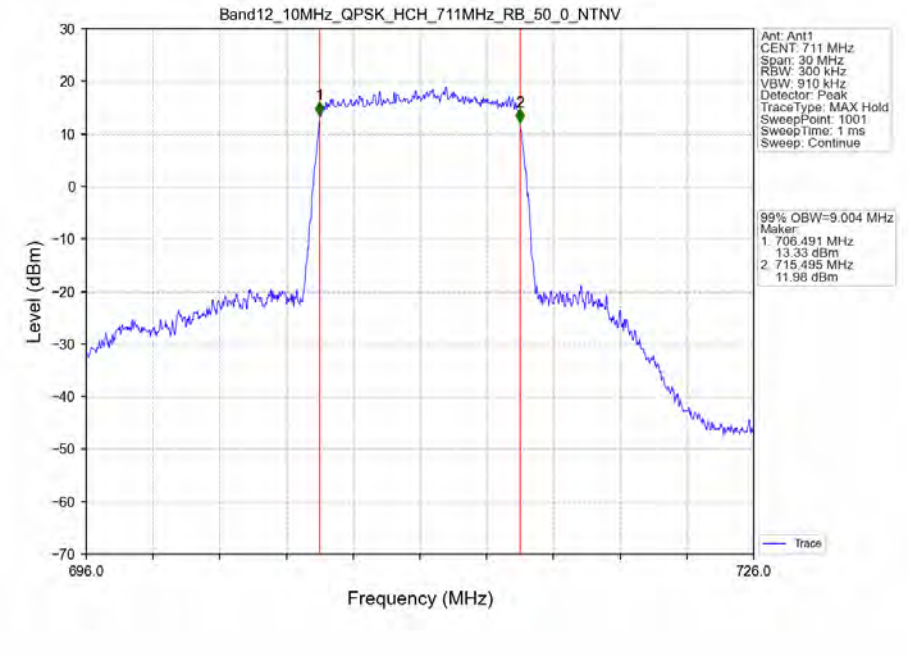
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



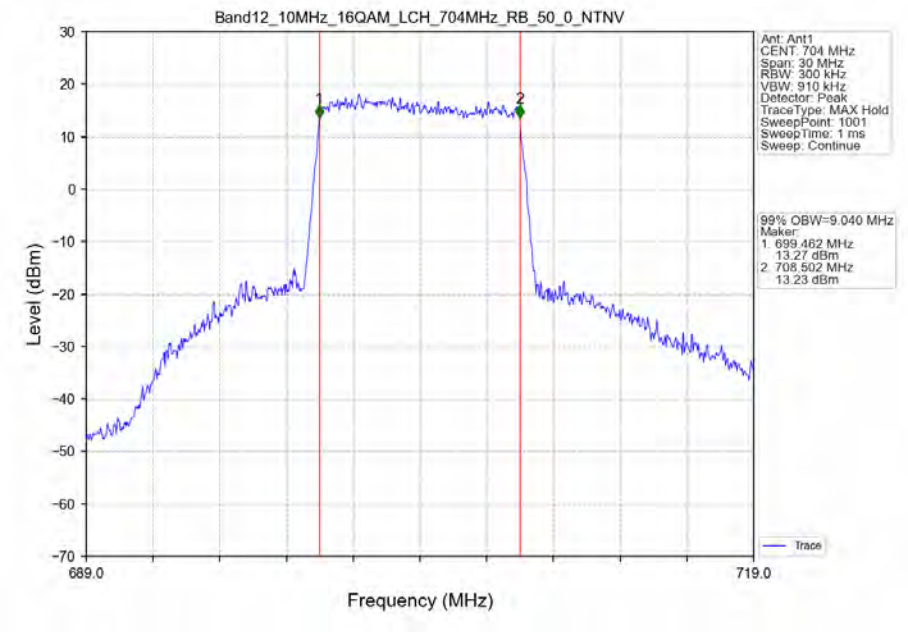
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



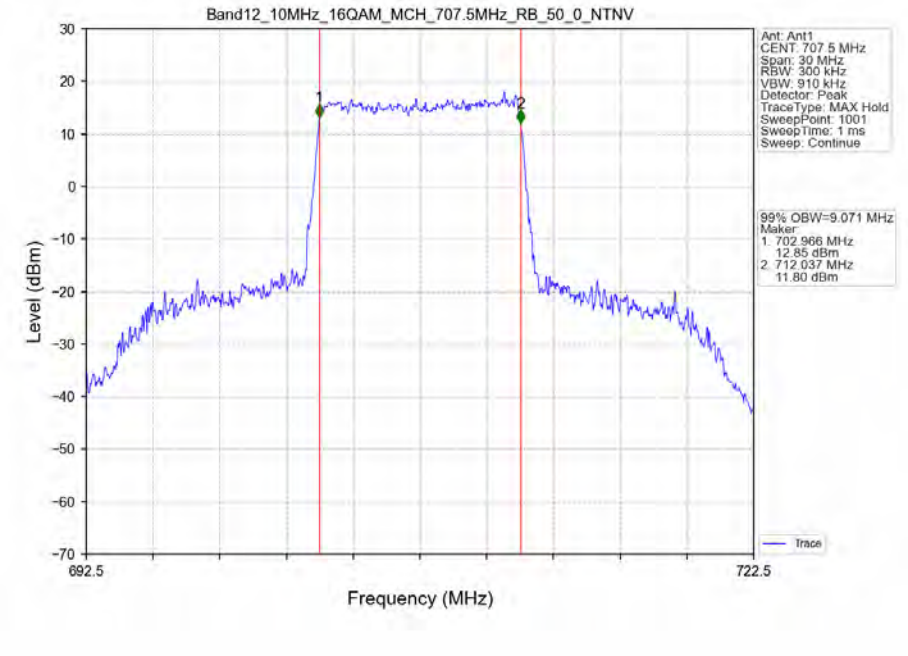
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



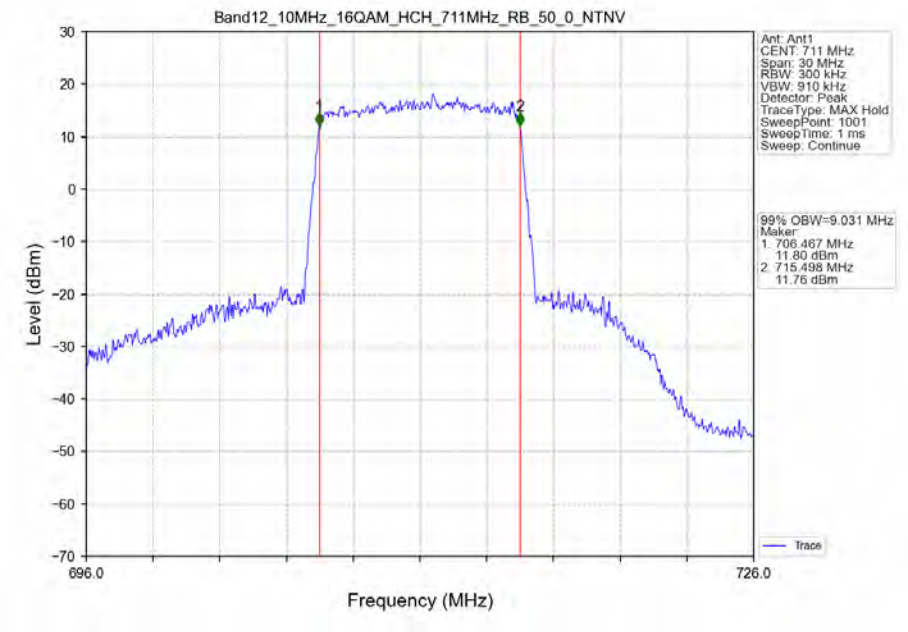
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



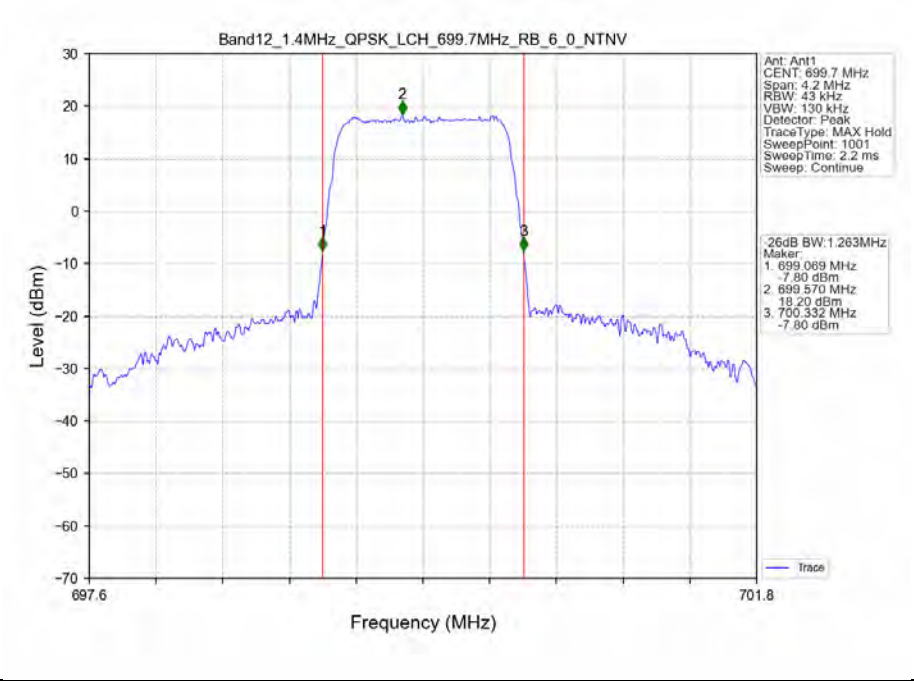
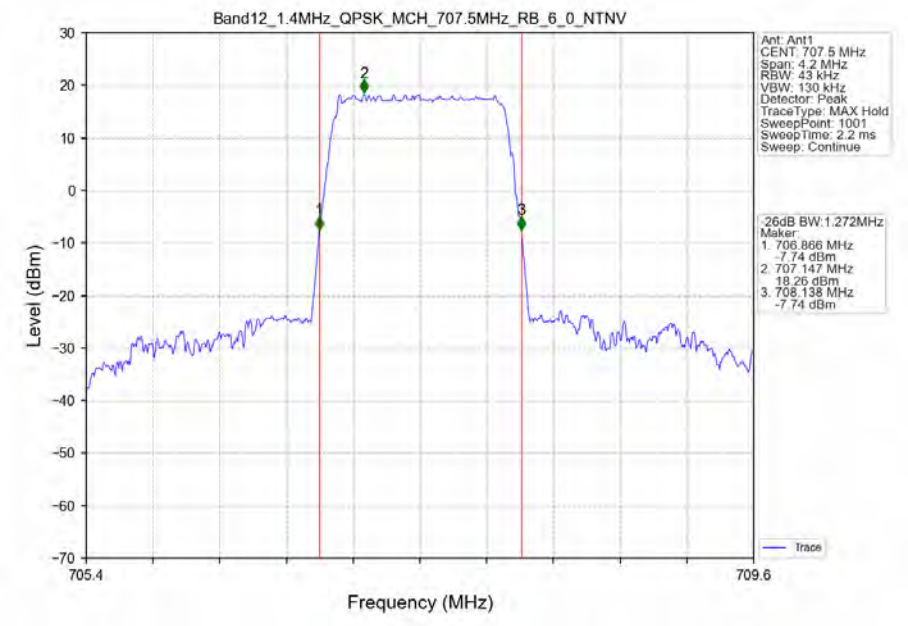
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



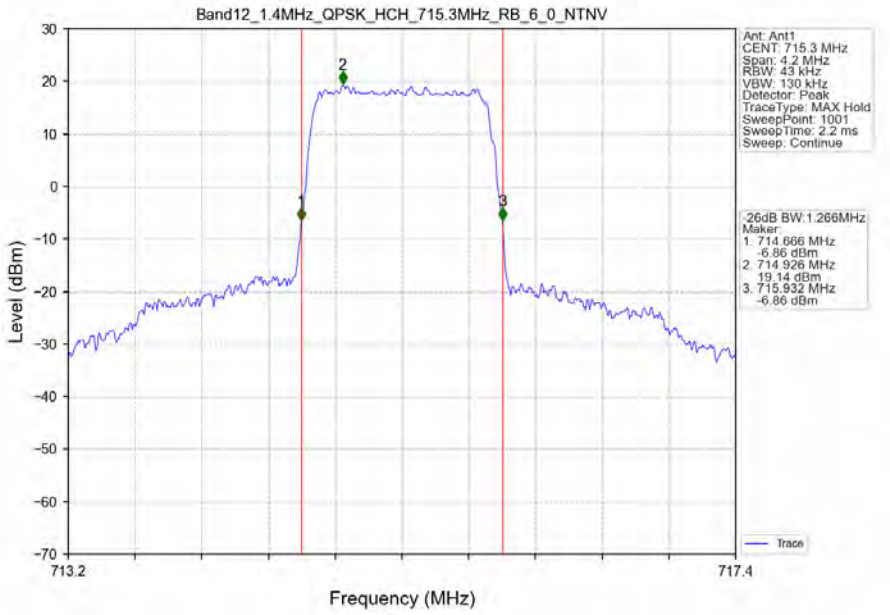
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



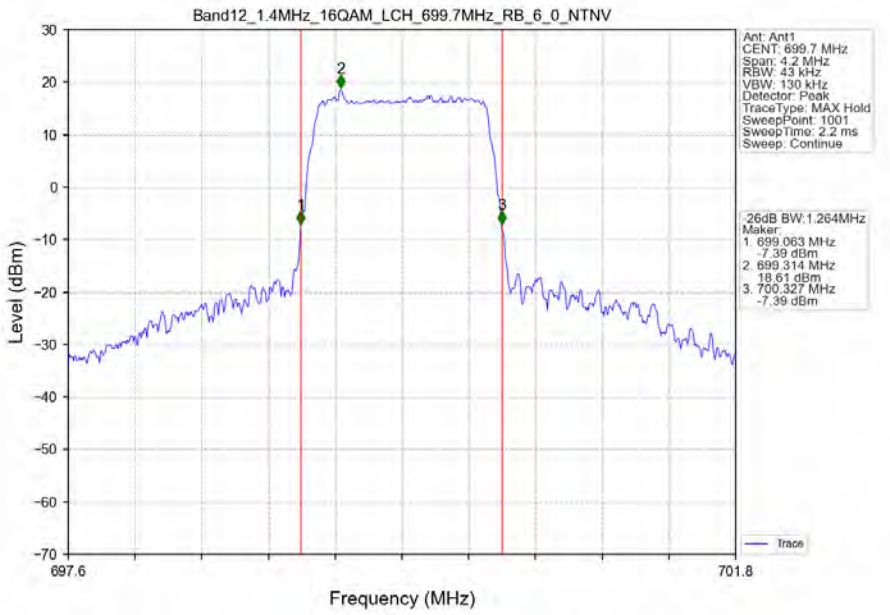
3.2.2 Band12_XDB

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


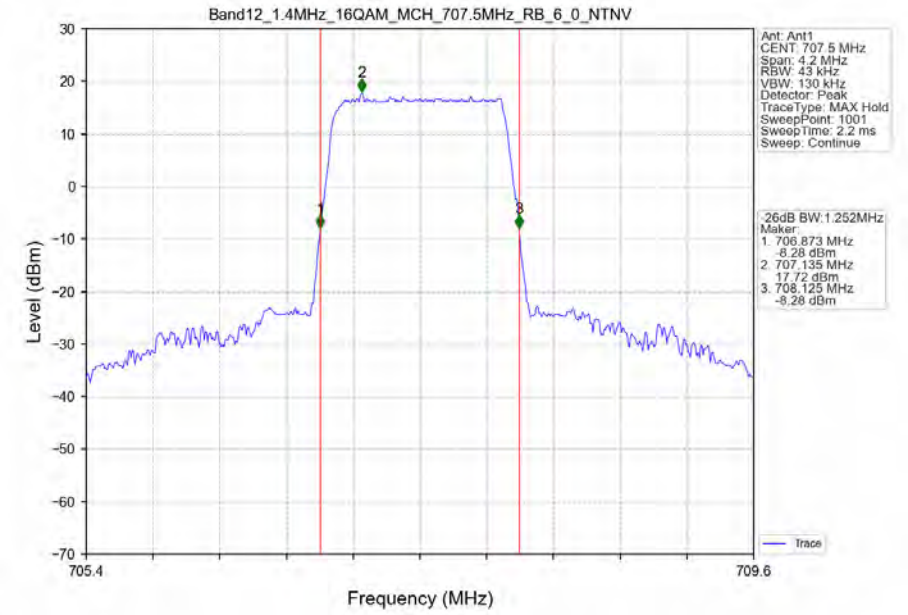
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



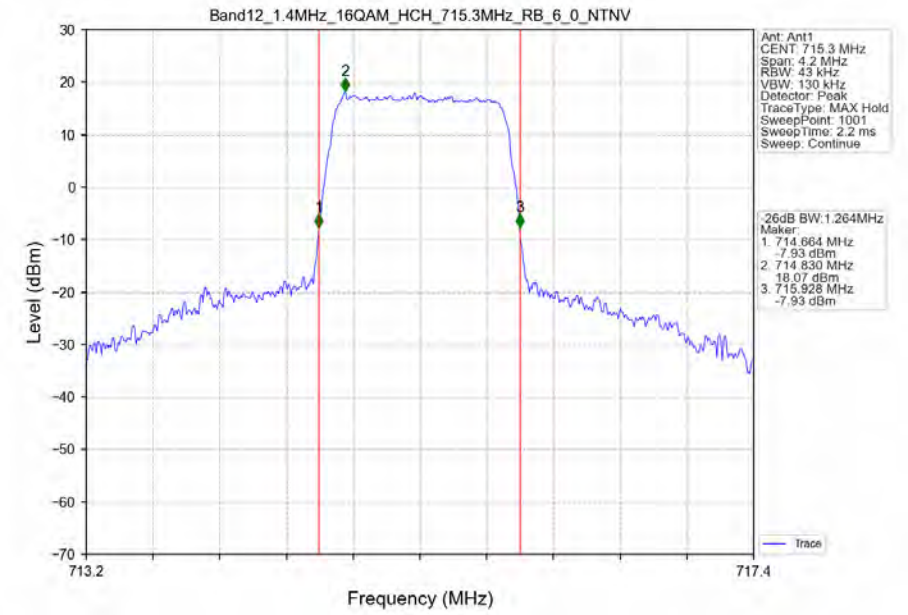
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



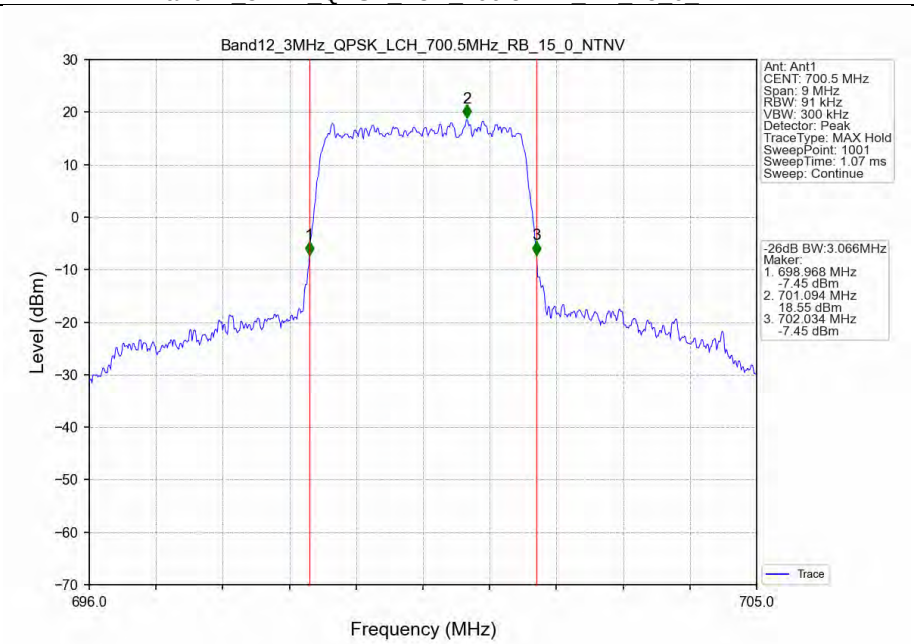
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



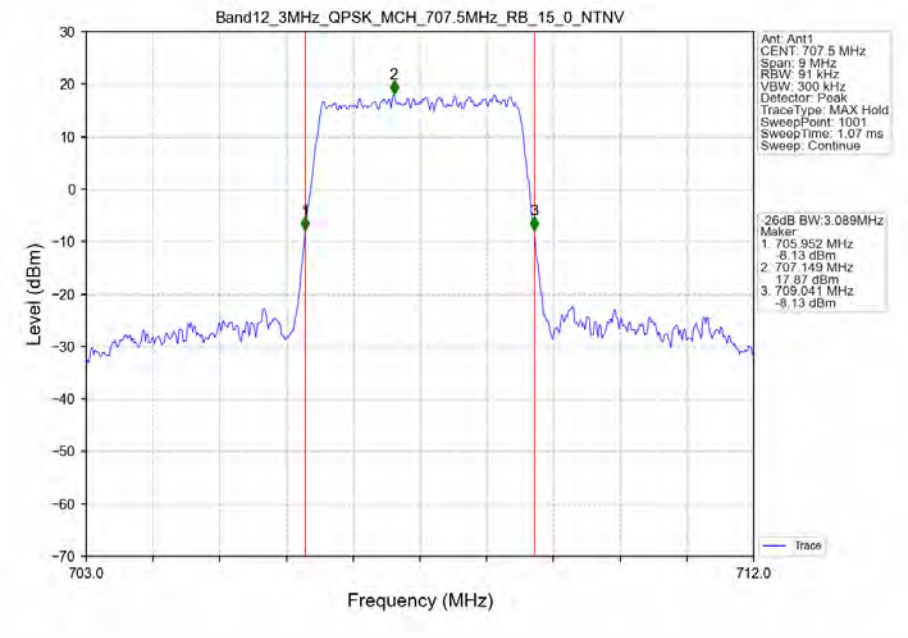
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



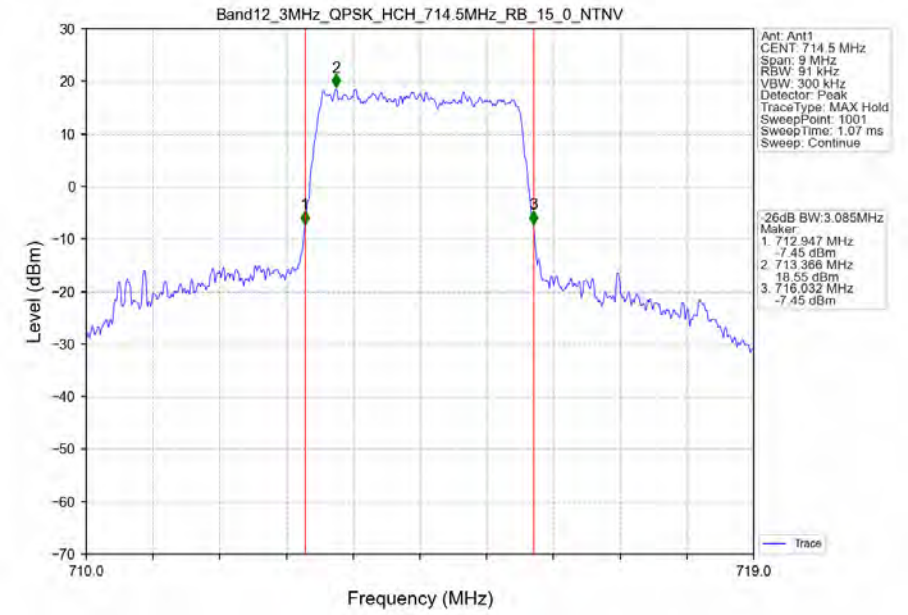
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



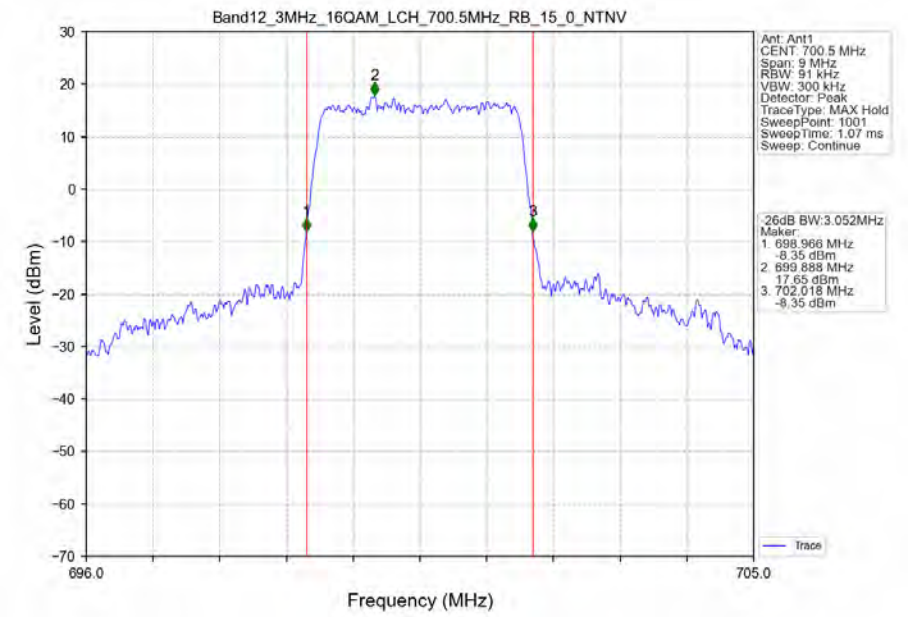
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



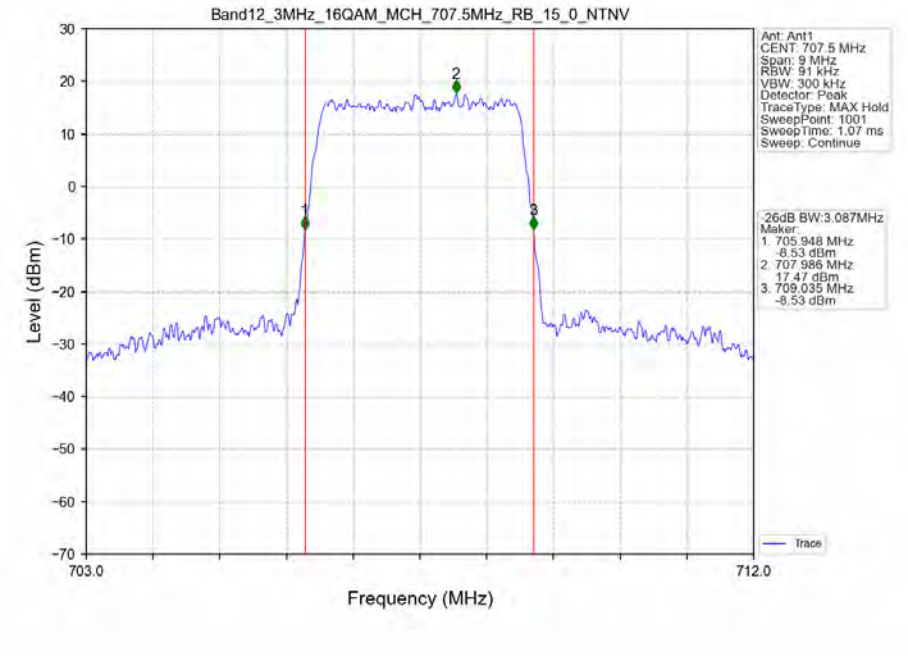
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



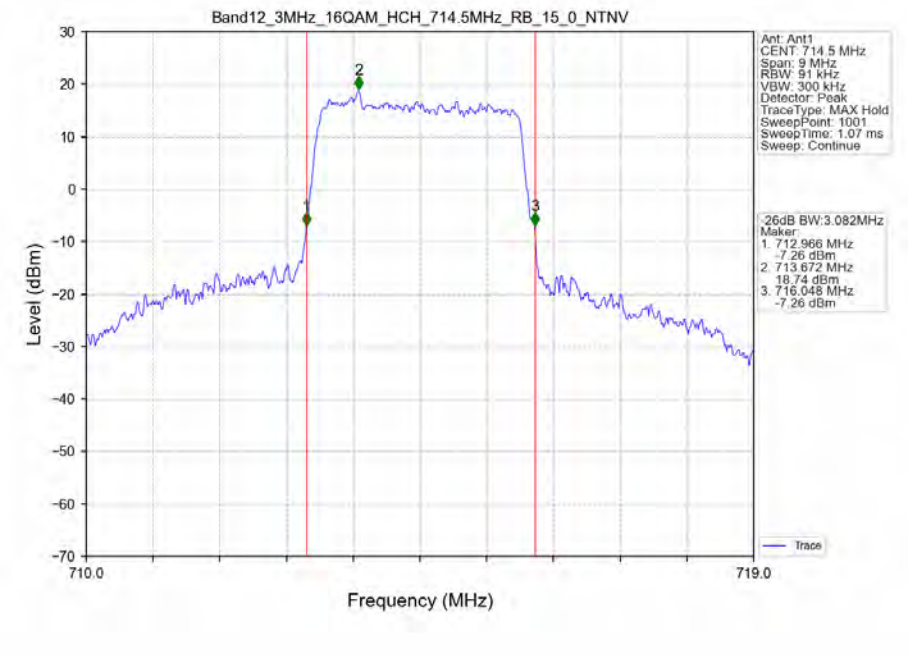
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



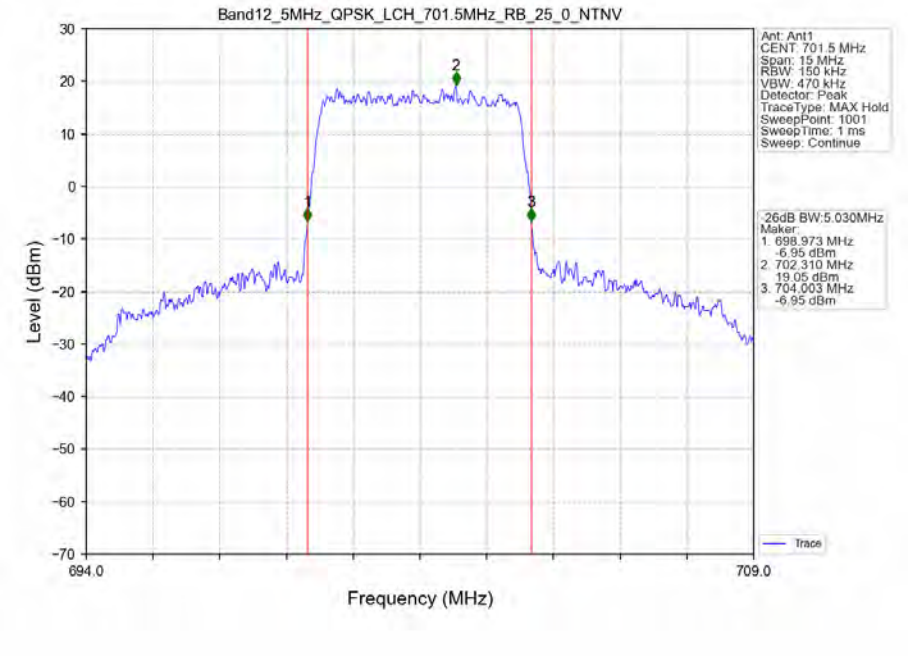
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



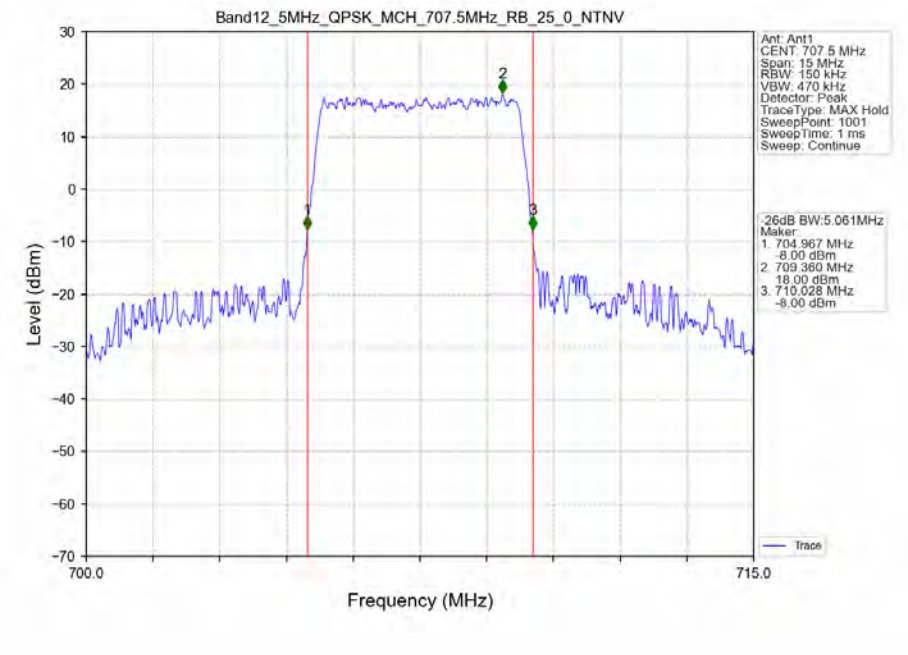
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



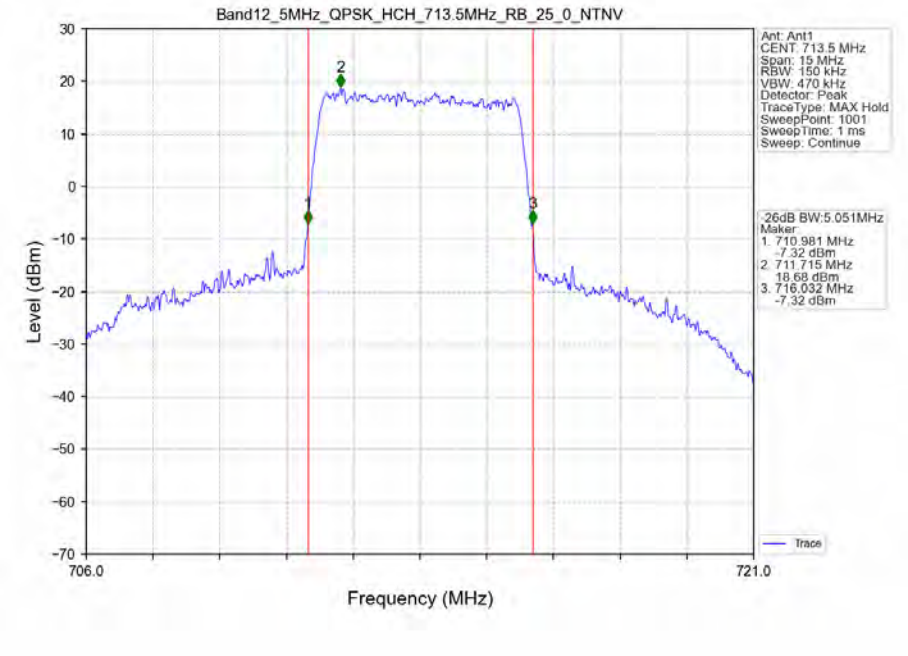
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



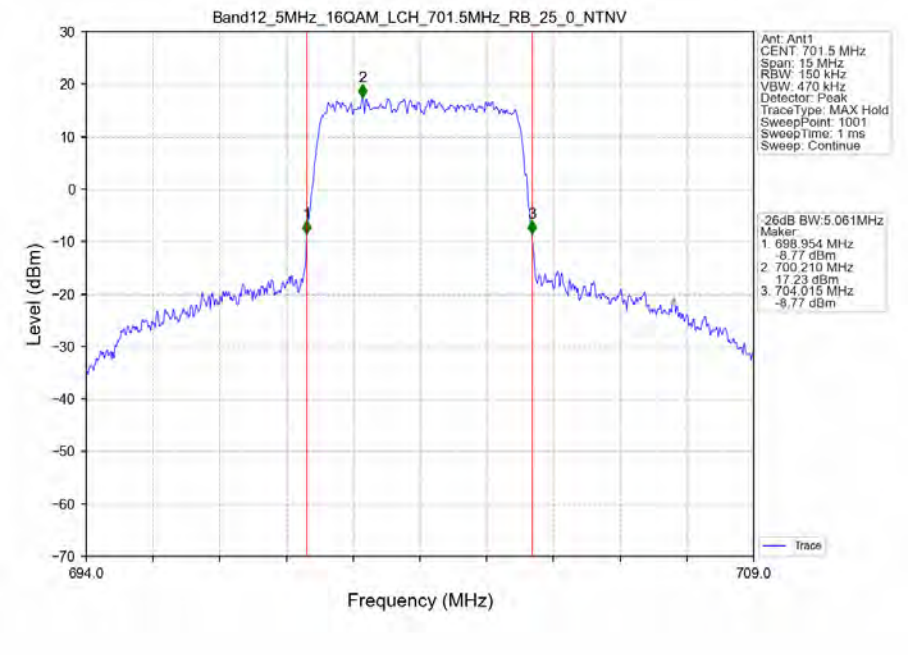
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



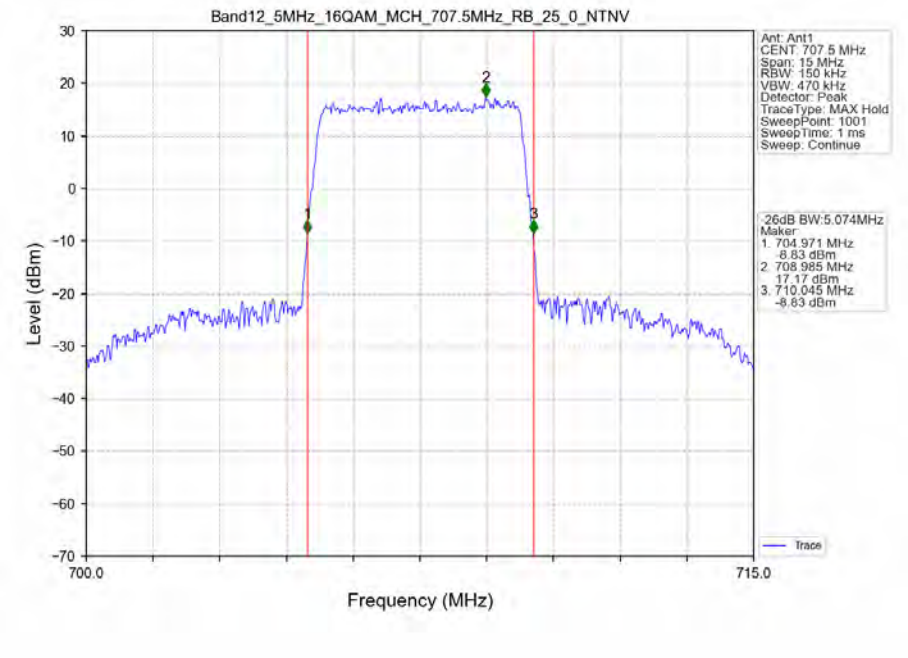
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



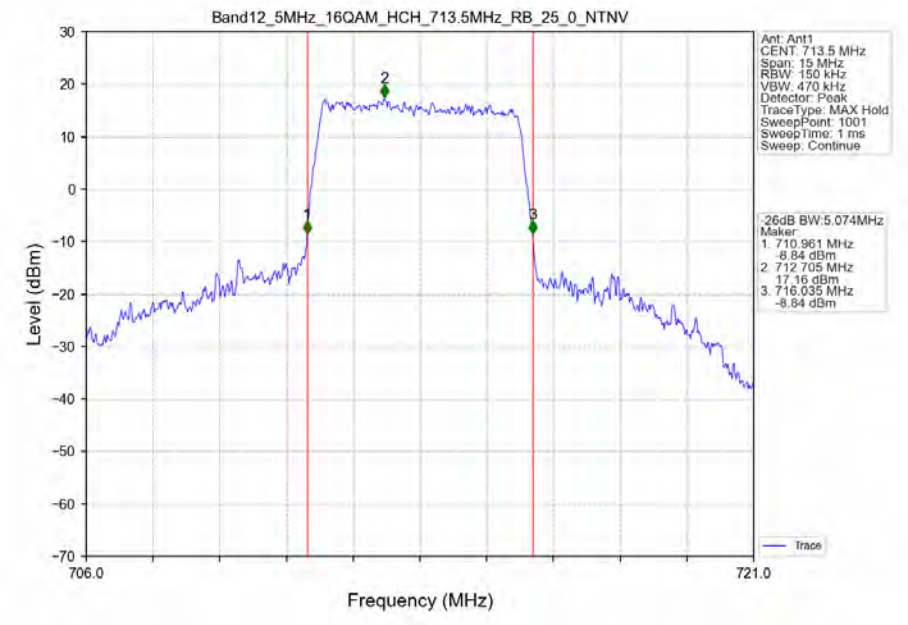
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



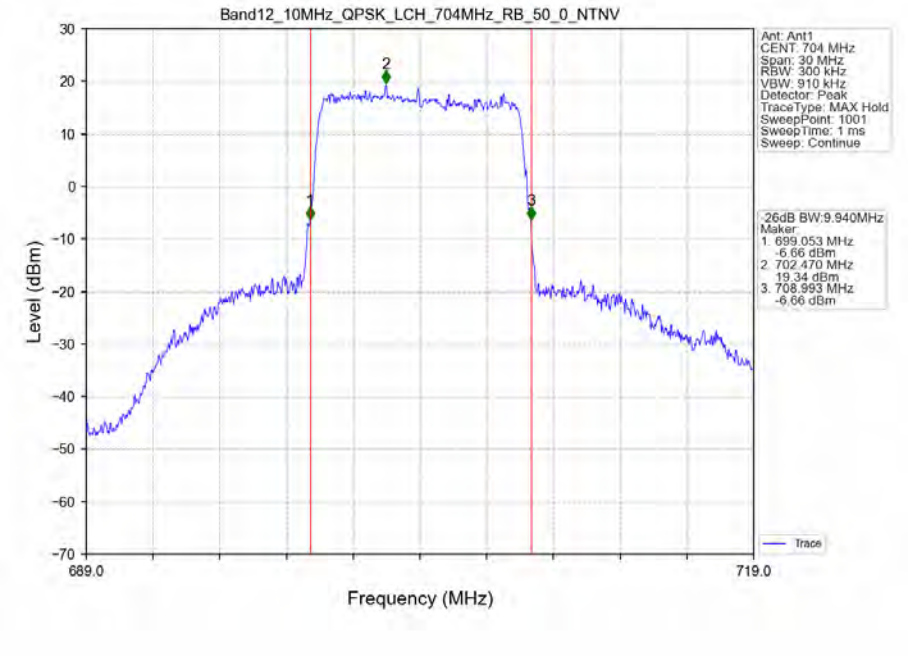
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



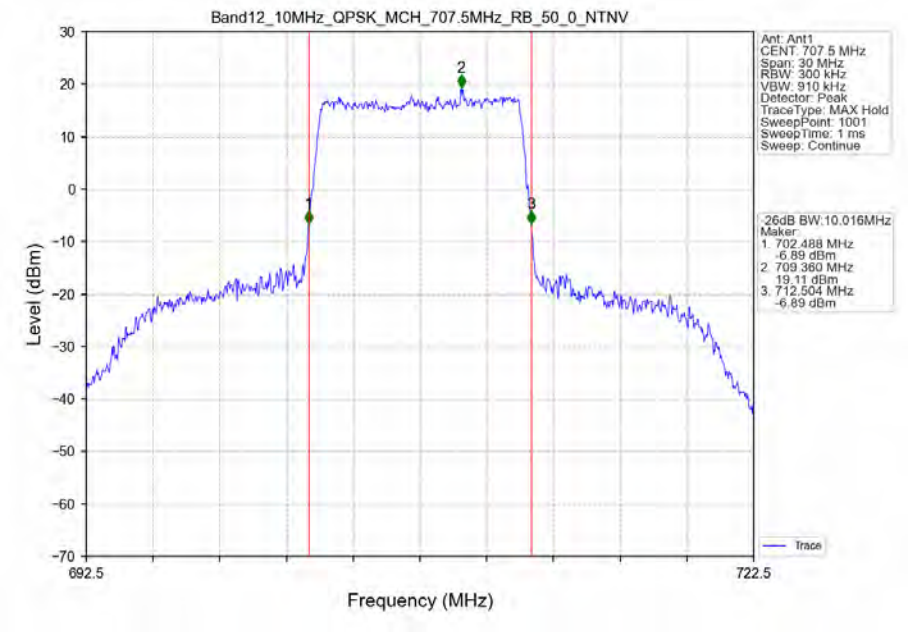
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



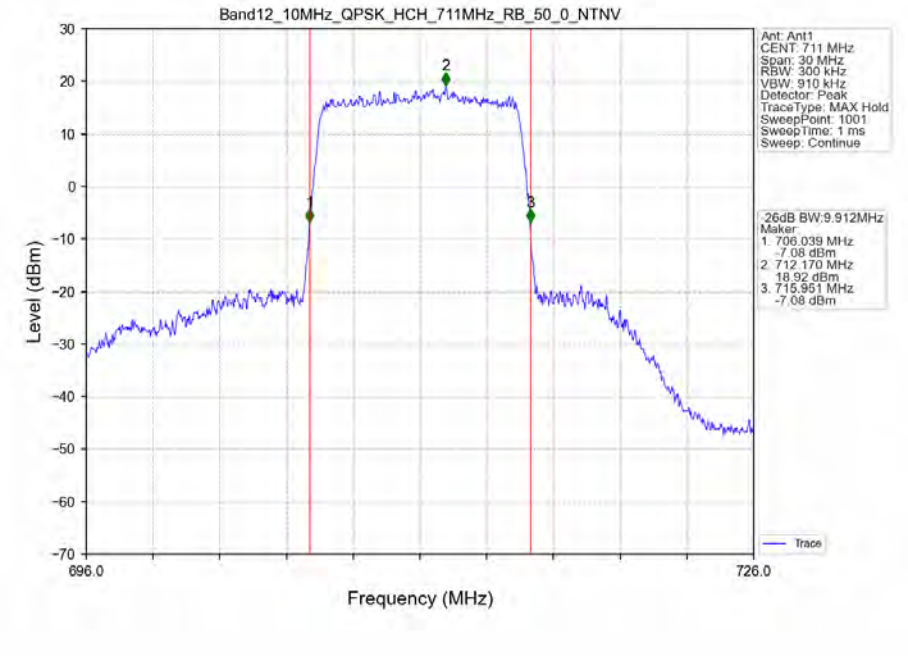
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



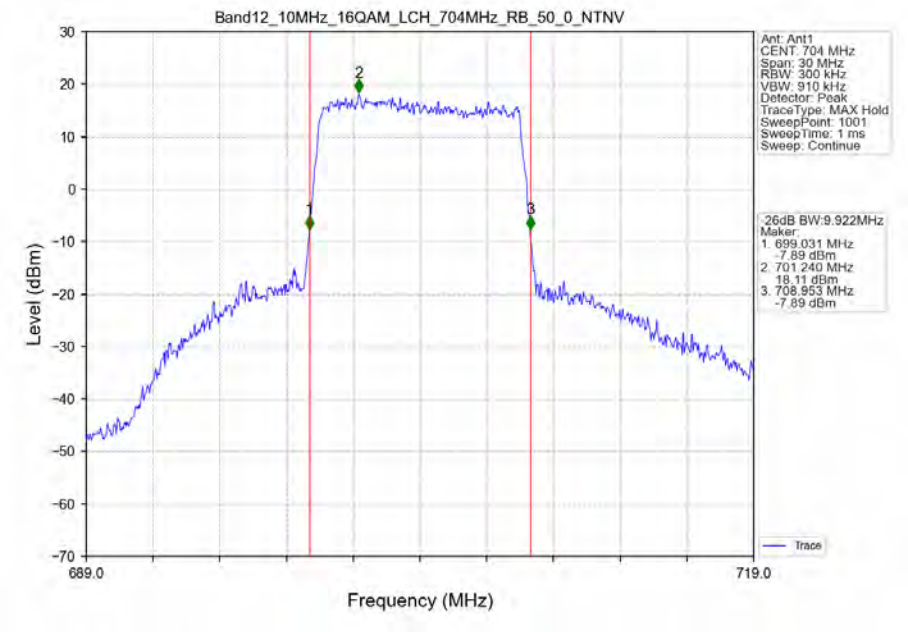
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



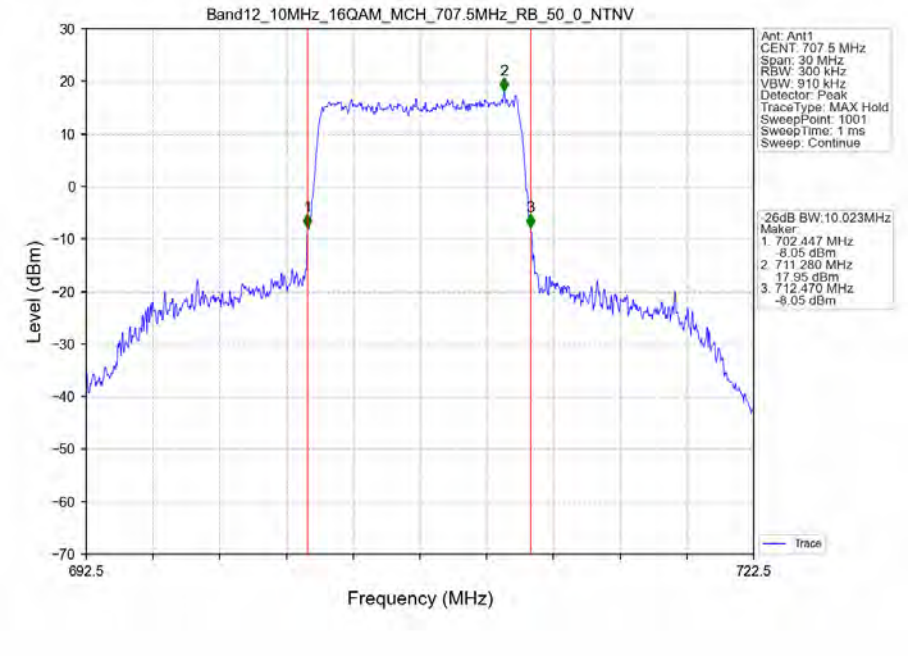
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



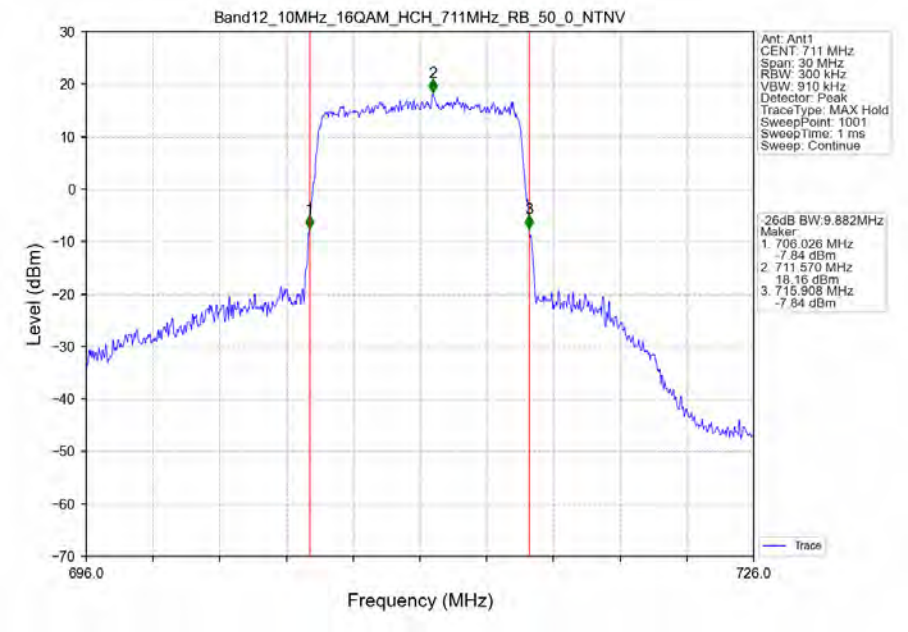
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.72	<=13	Pass
	707.5	6	0	5.42	<=13	Pass
	715.3	6	0	4.70	<=13	Pass
16QAM	699.7	6	0	5.66	<=13	Pass
	707.5	6	0	6.27	<=13	Pass
	715.3	6	0	5.61	<=13	Pass

4.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	4.67	<=13	Pass
	707.5	15	0	5.37	<=13	Pass
	714.5	15	0	4.76	<=13	Pass
16QAM	700.5	15	0	5.55	<=13	Pass
	707.5	15	0	6.27	<=13	Pass
	714.5	15	0	5.59	<=13	Pass

4.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	4.94	<=13	Pass
	707.5	25	0	5.46	<=13	Pass
	713.5	25	0	4.92	<=13	Pass
16QAM	701.5	25	0	5.70	<=13	Pass
	707.5	25	0	6.25	<=13	Pass
	713.5	25	0	5.69	<=13	Pass

4.1.4 B12_10MHz

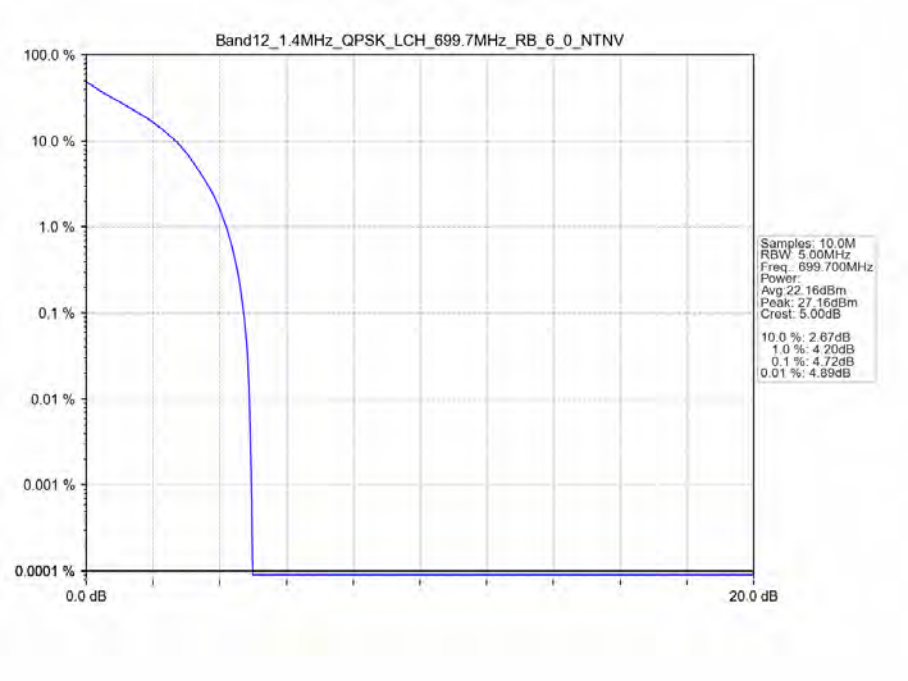
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.15	<=13	Pass
	707.5	50	0	5.23	<=13	Pass
	711	50	0	5.11	<=13	Pass

16QAM	704	50	0	5.95	<=13	Pass
	707.5	50	0	6.10	<=13	Pass
	711	50	0	5.92	<=13	Pass

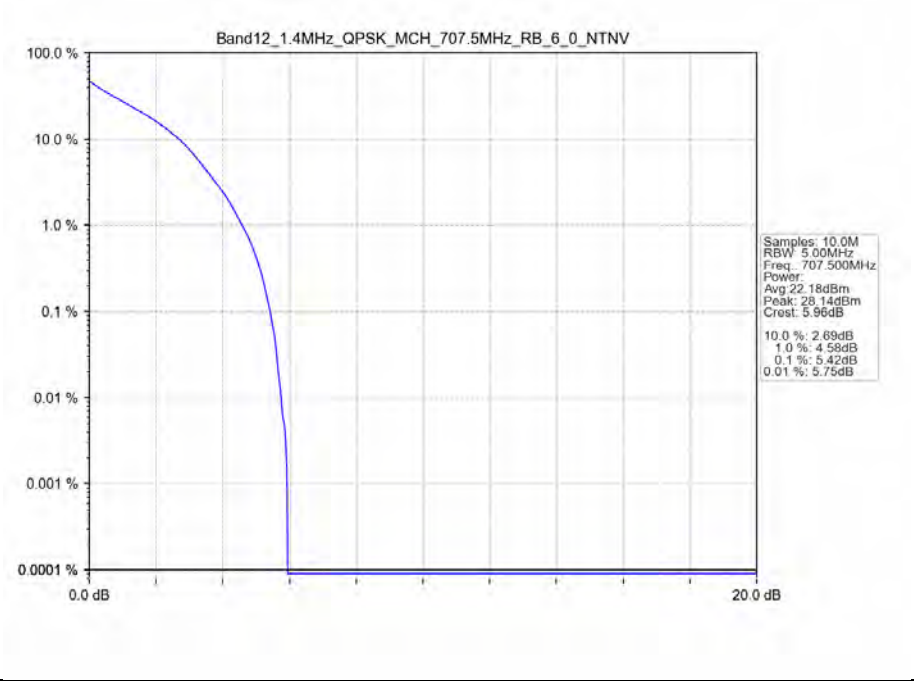
4.2 Test Graph

4.2.1 B12_1.4MHz

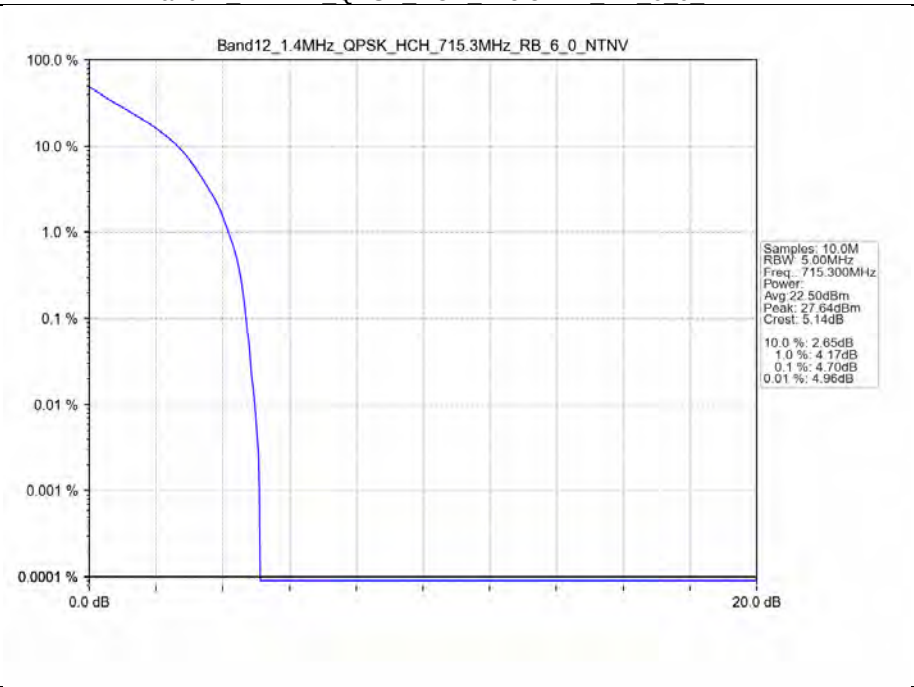
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



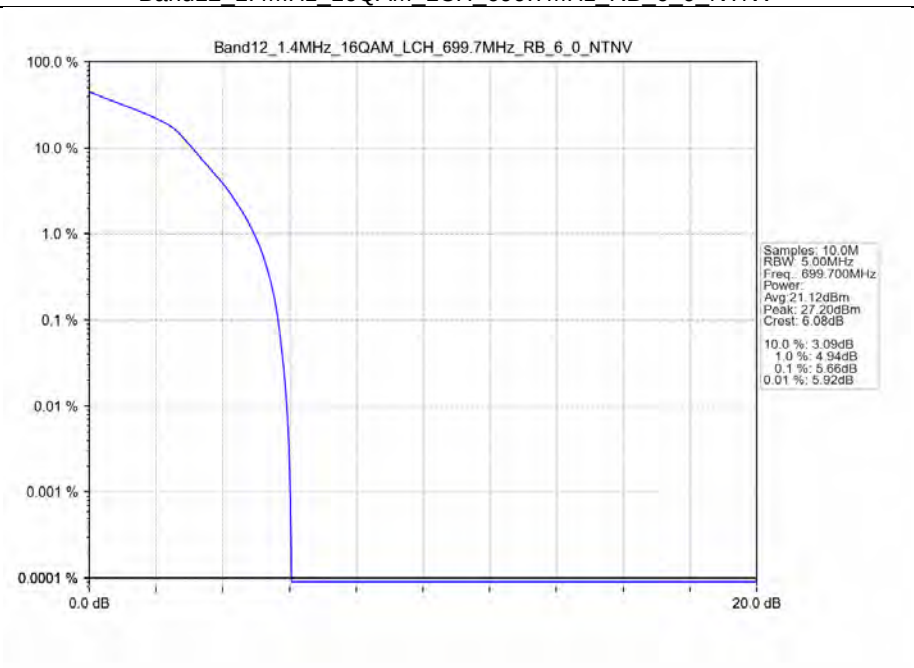
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

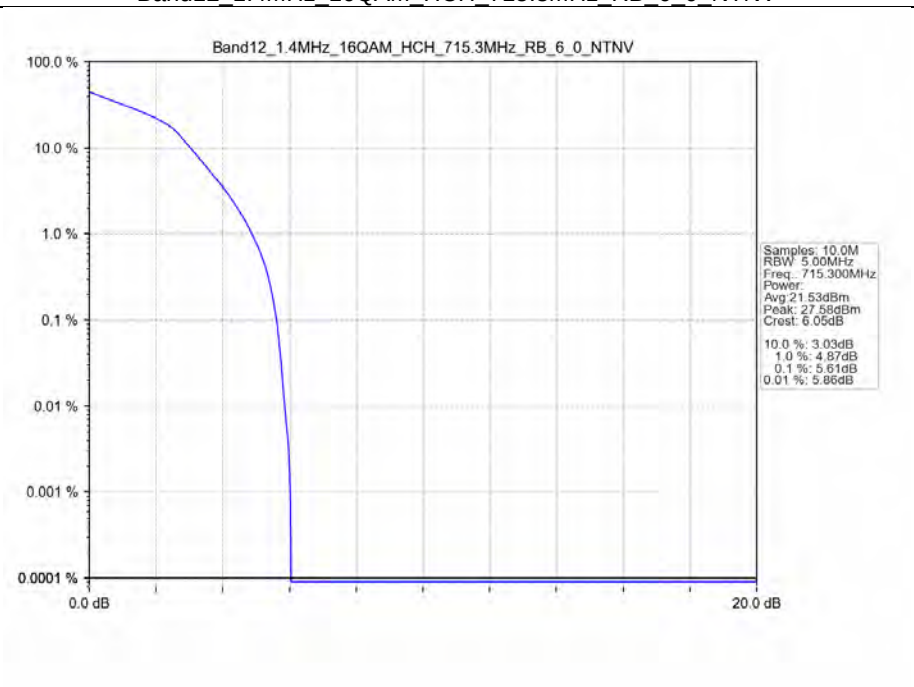


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

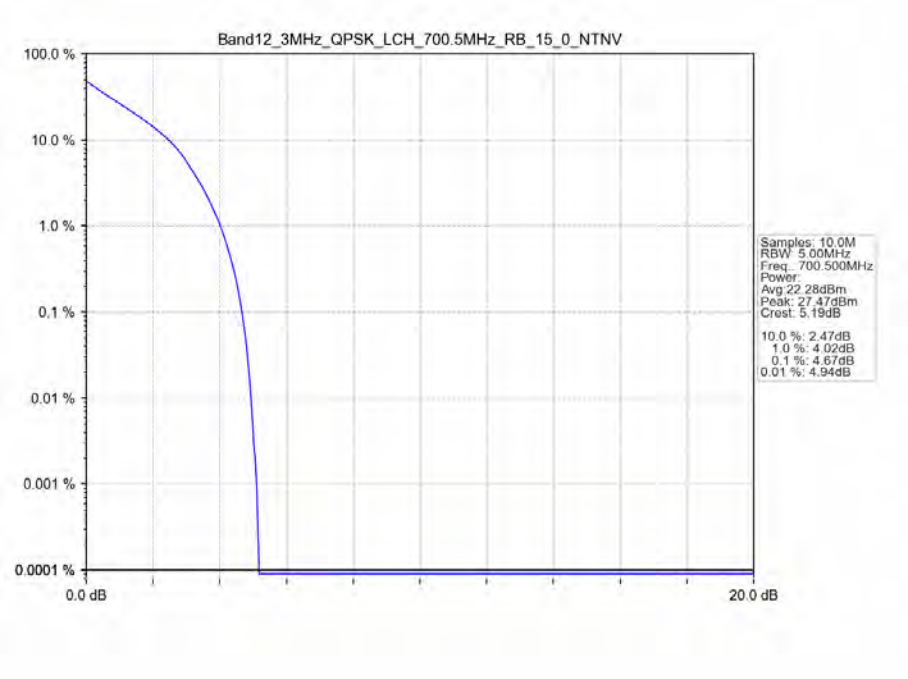
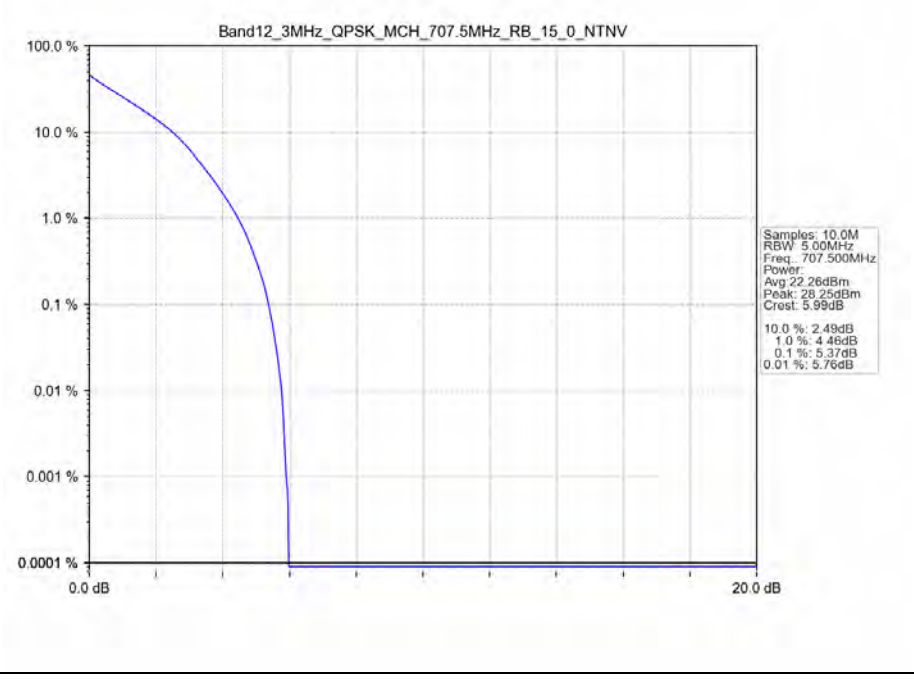


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

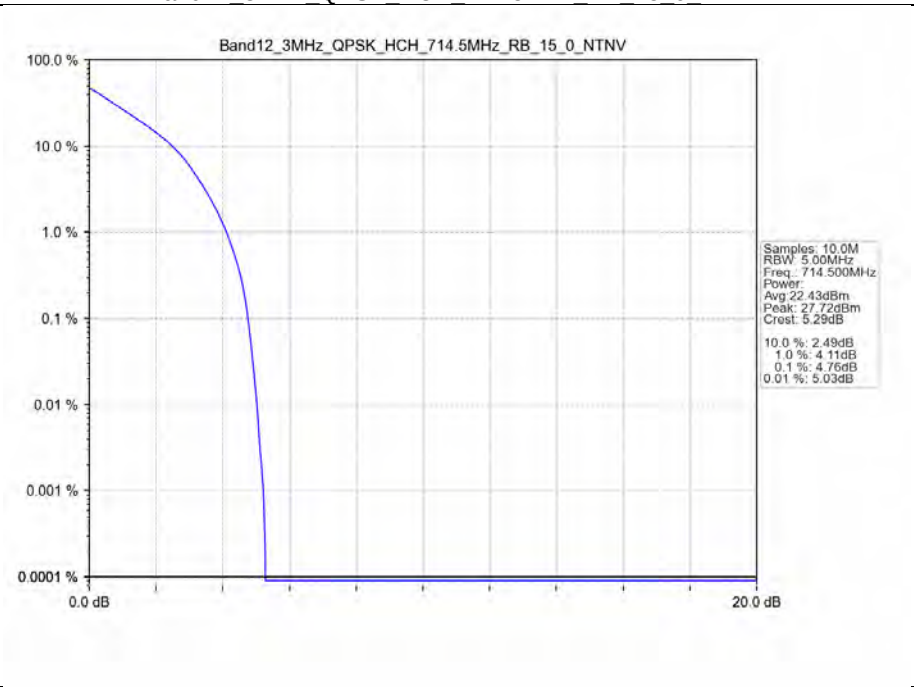
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



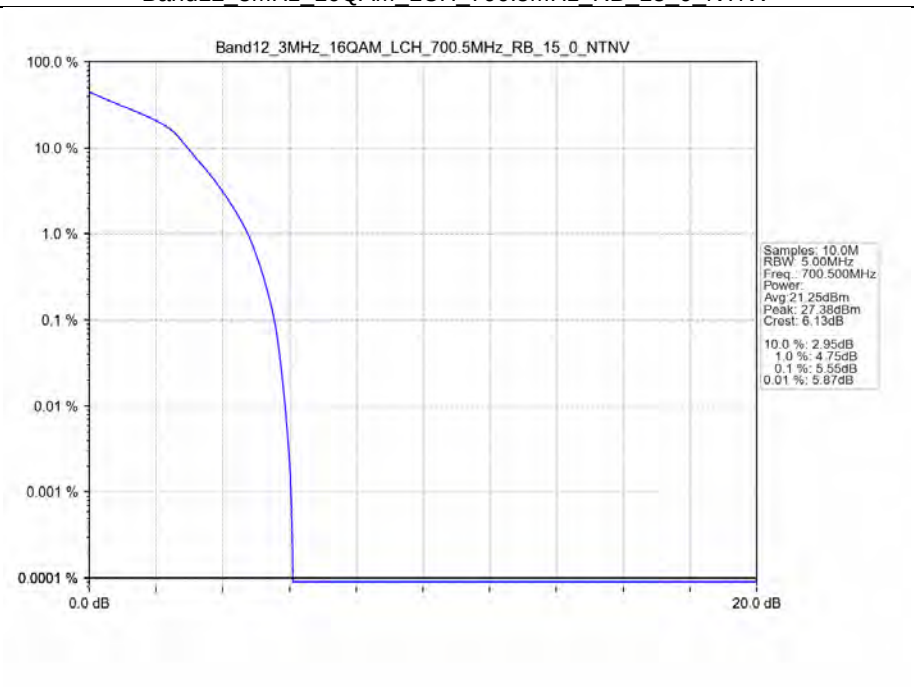
4.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV


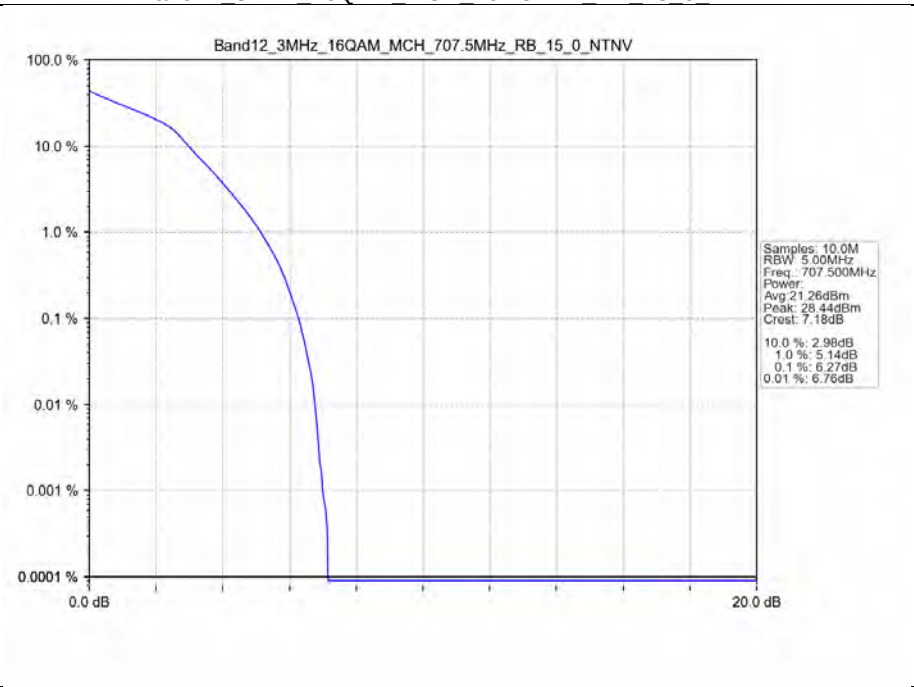
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



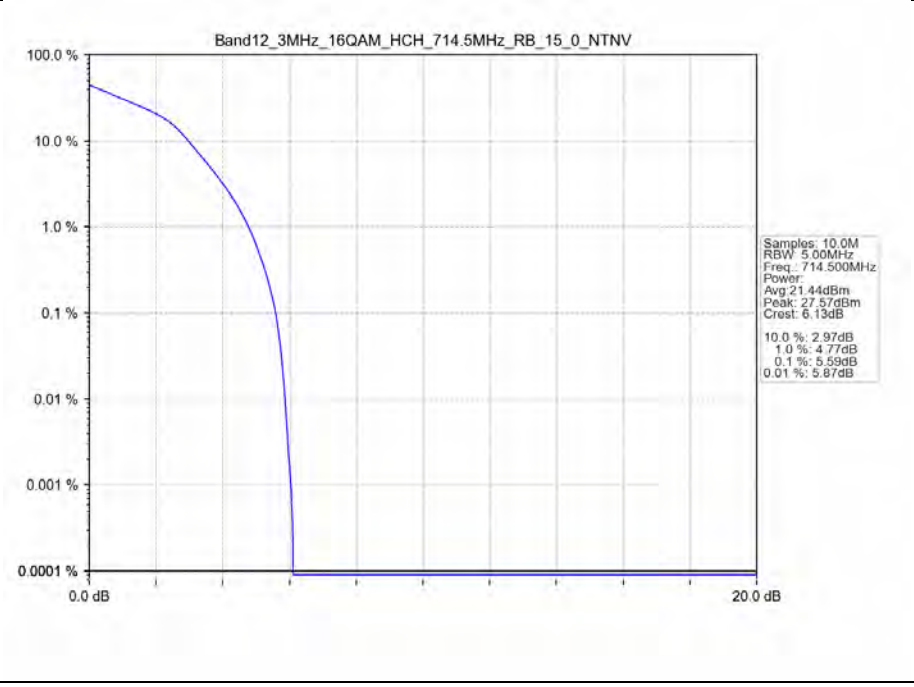
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



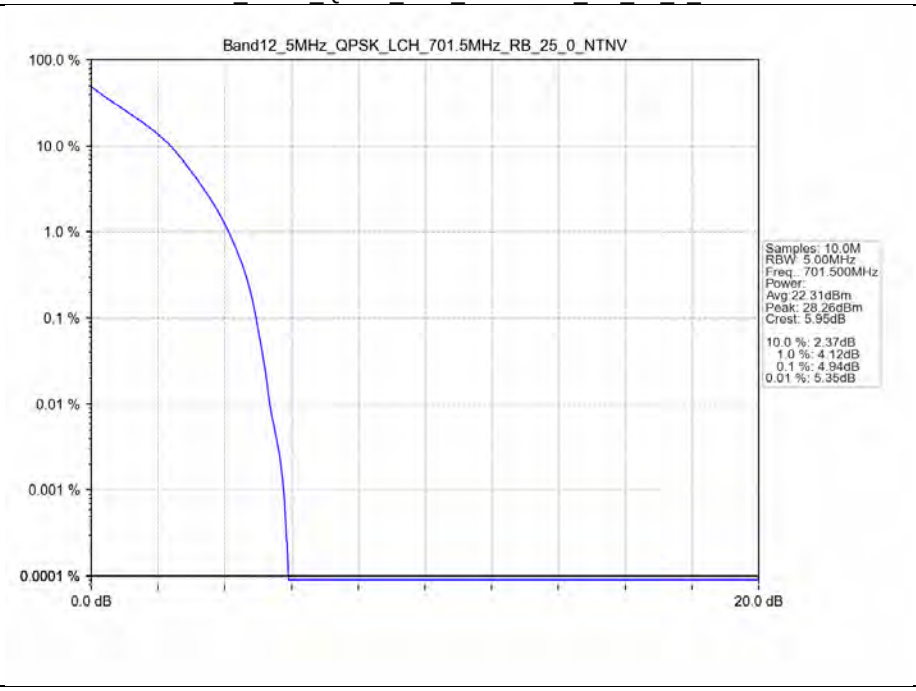
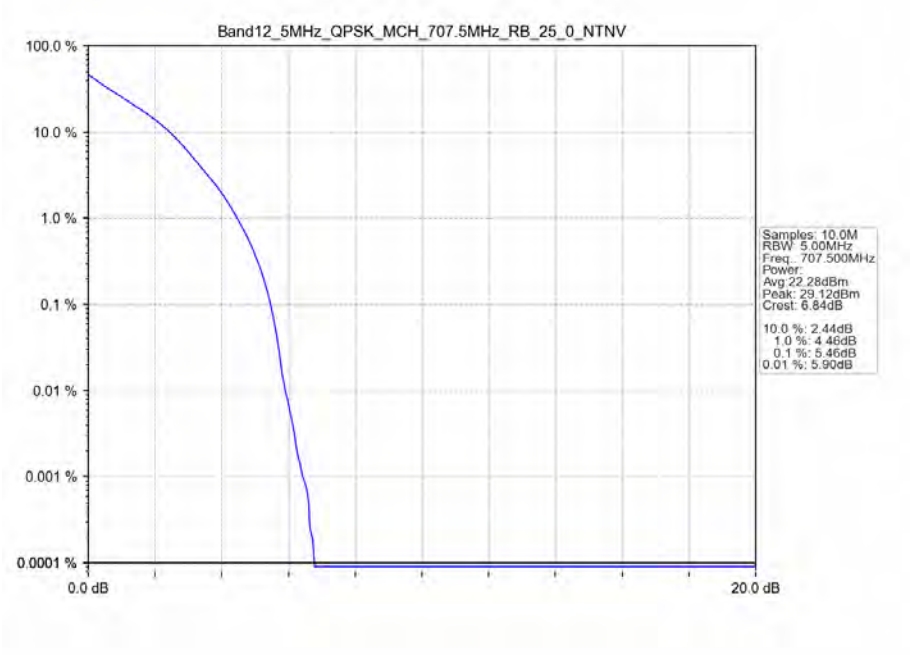
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



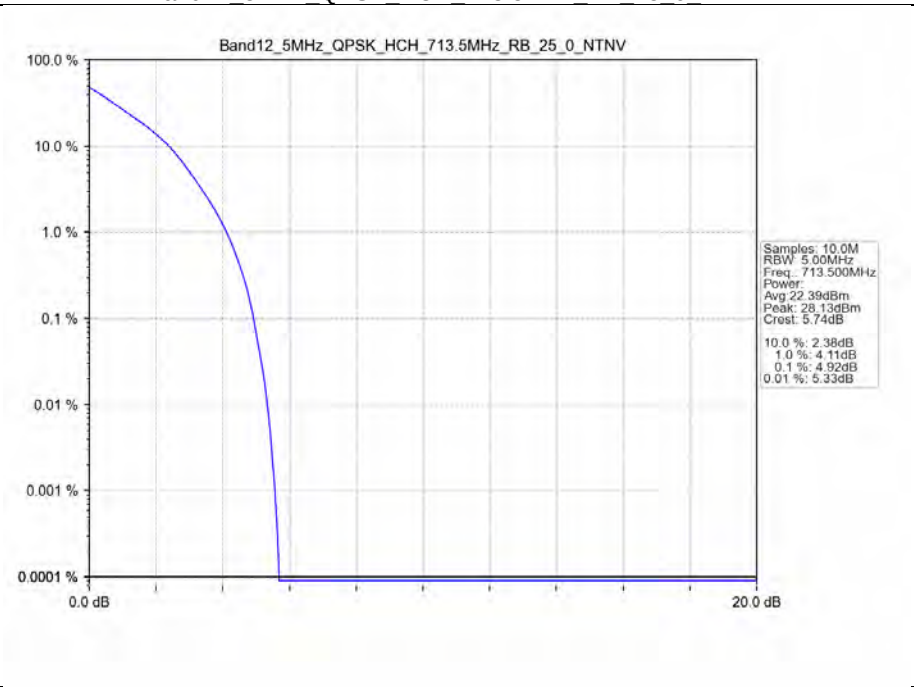
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



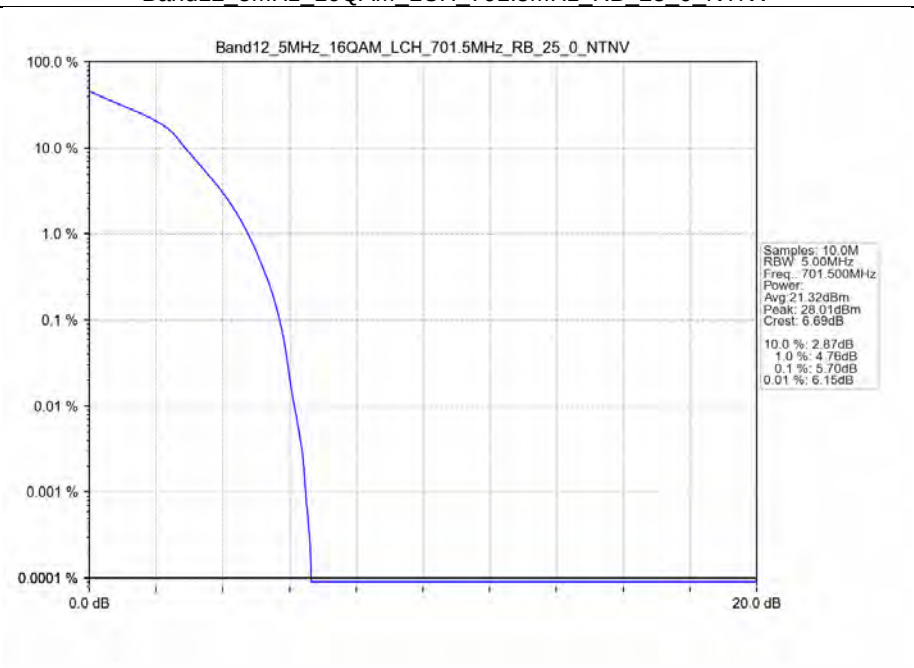
4.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV


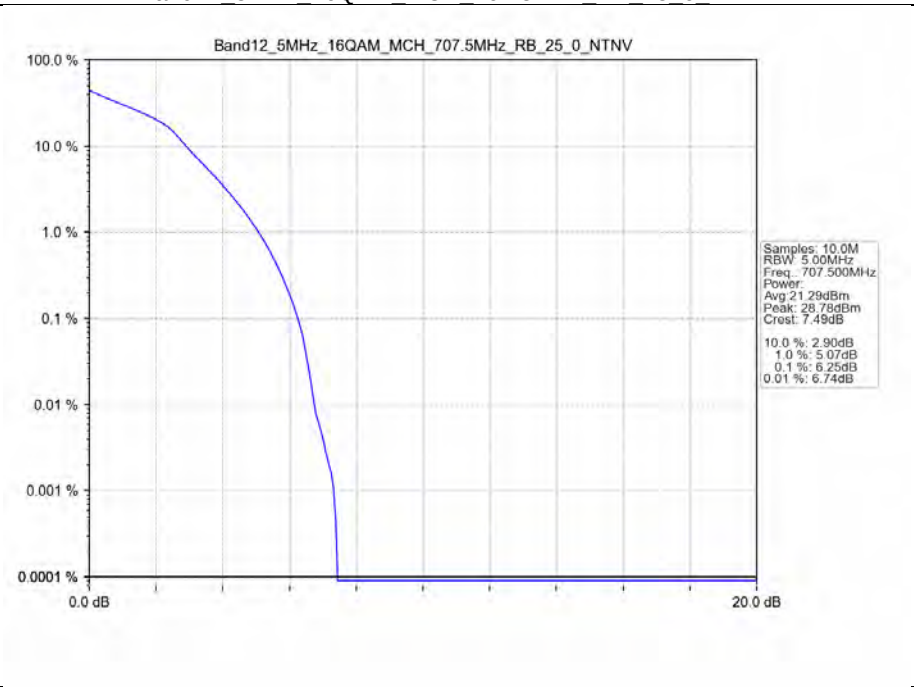
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



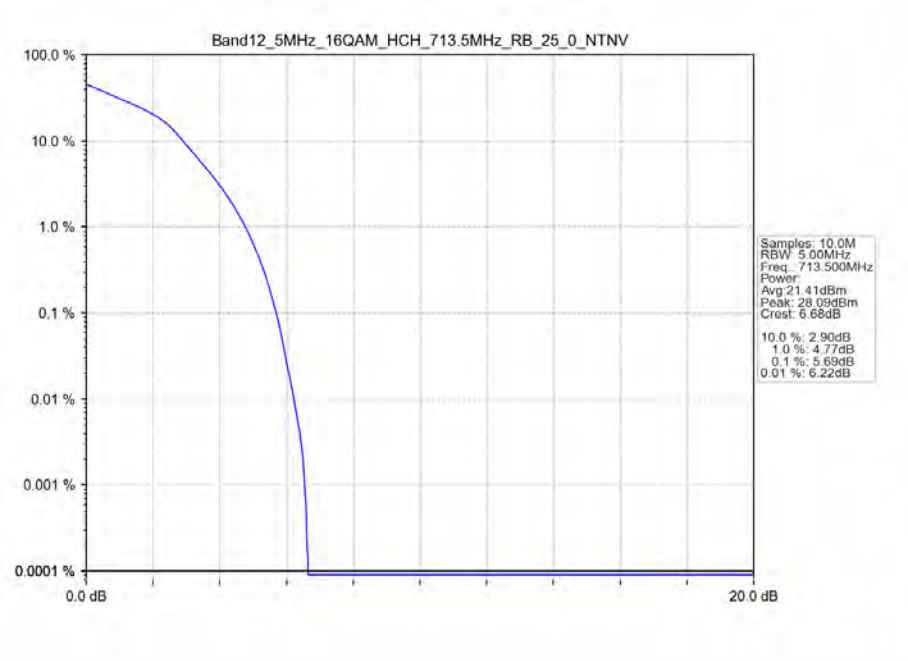
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



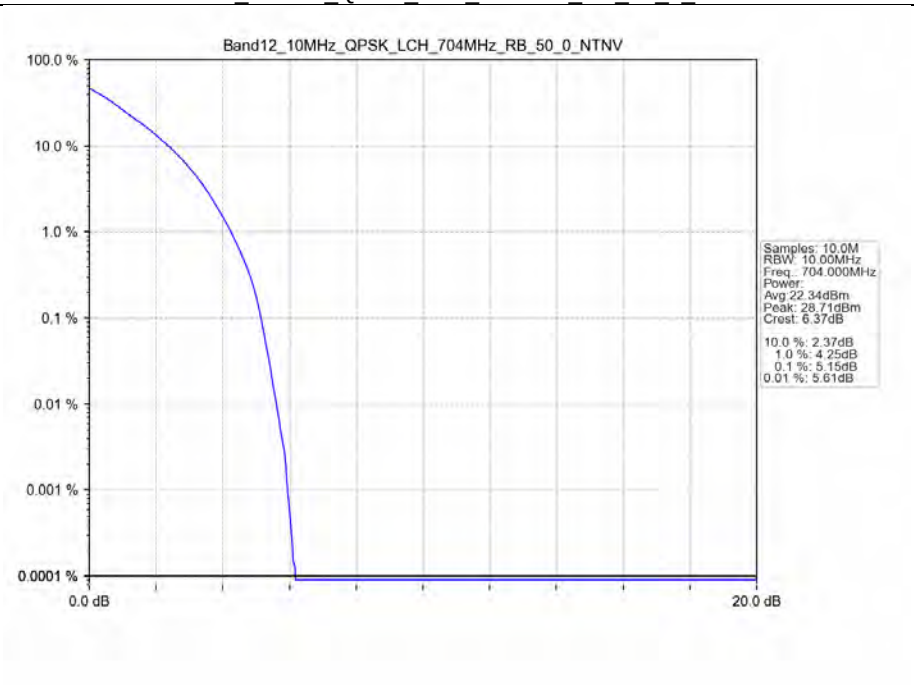
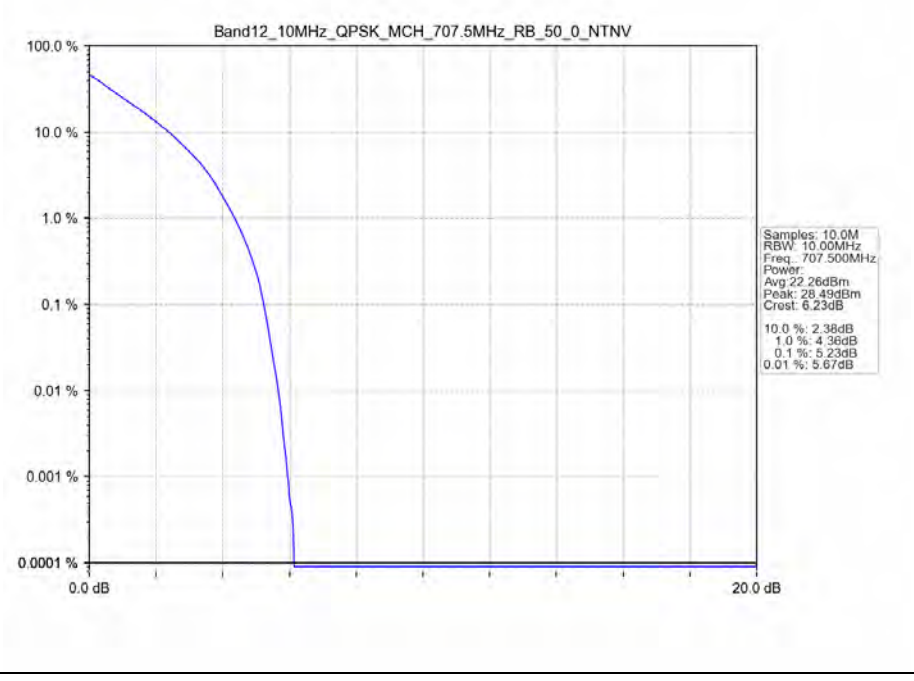
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



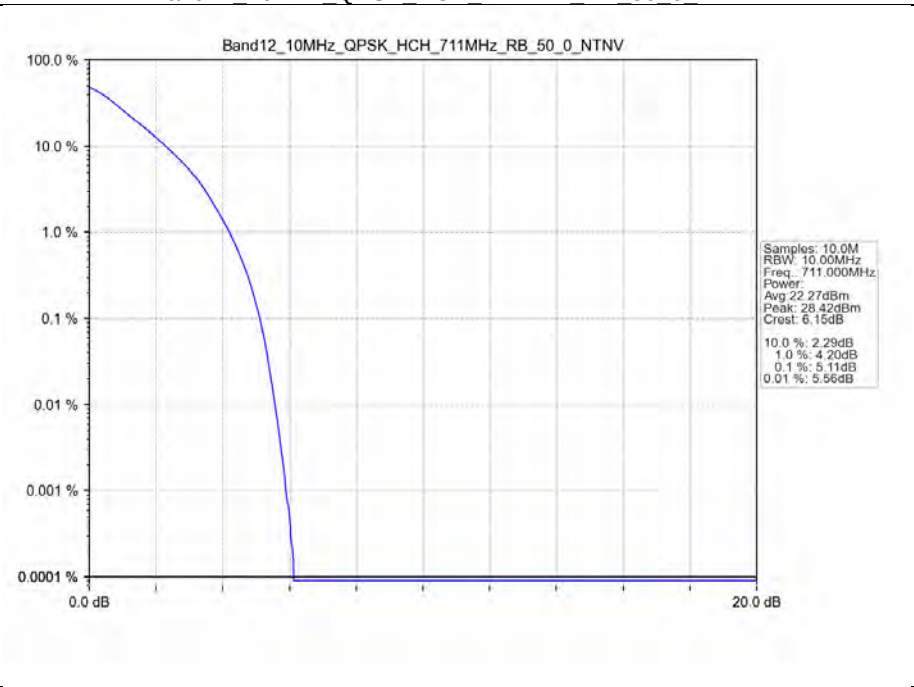
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



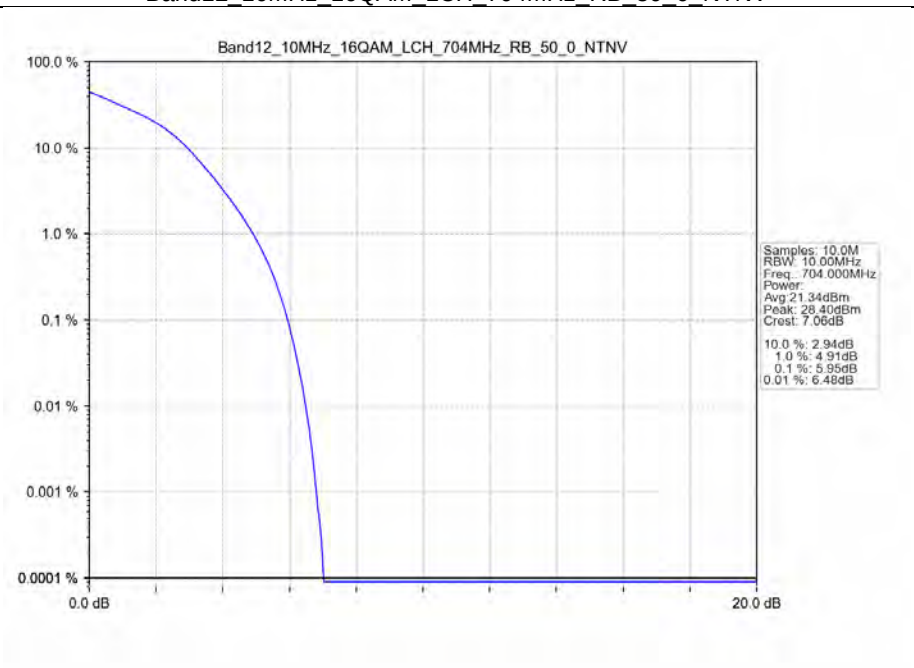
4.2.4 B12_10MHz

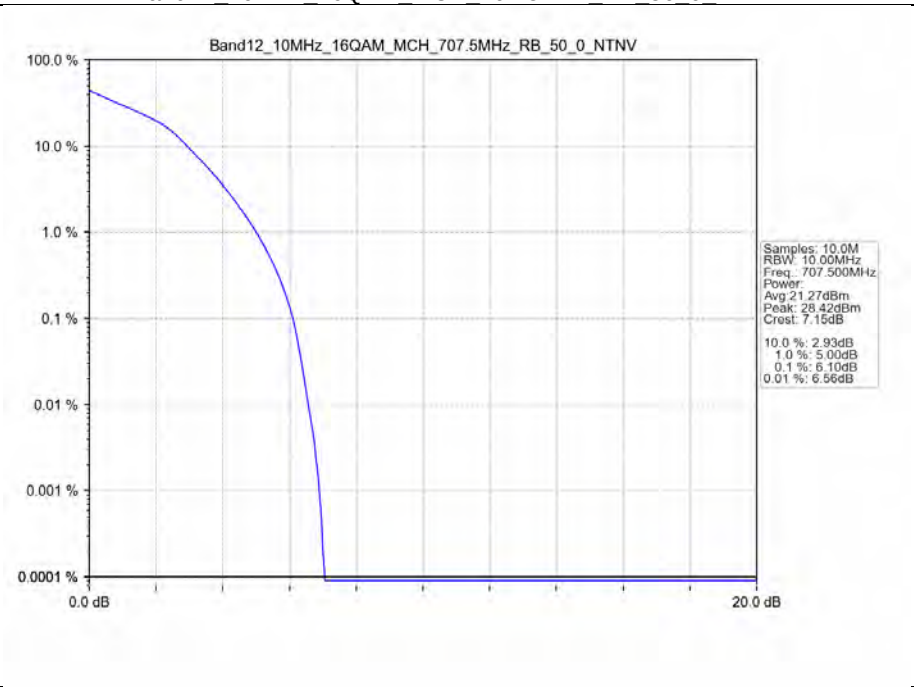
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV


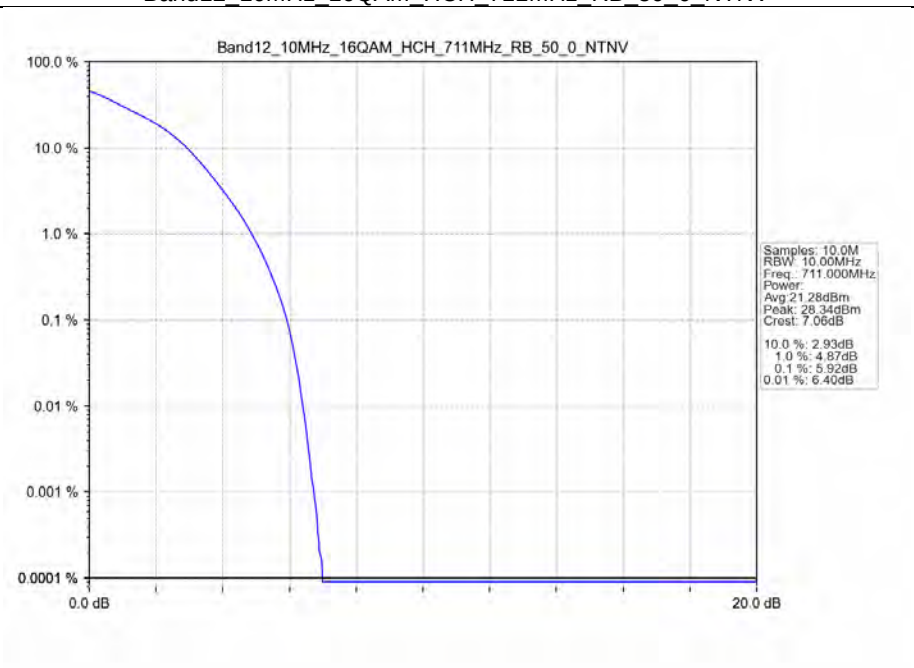
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV


5. Spurious Emission

5.1 Test Result

5.1.1 B12_1.4MHz

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

5.1.2 B12_3MHz

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

5.1.3 B12_5MHz

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

		25	0	Refer To Test Graph	Pass
16QAM	701.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

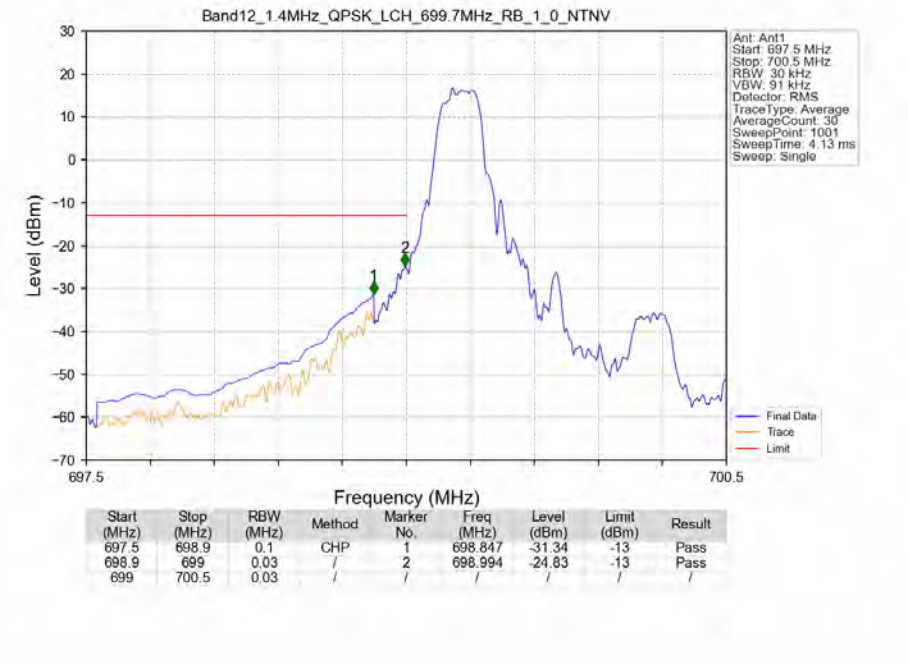
5.1.4 B12_10MHz

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

5.2 Test Graph

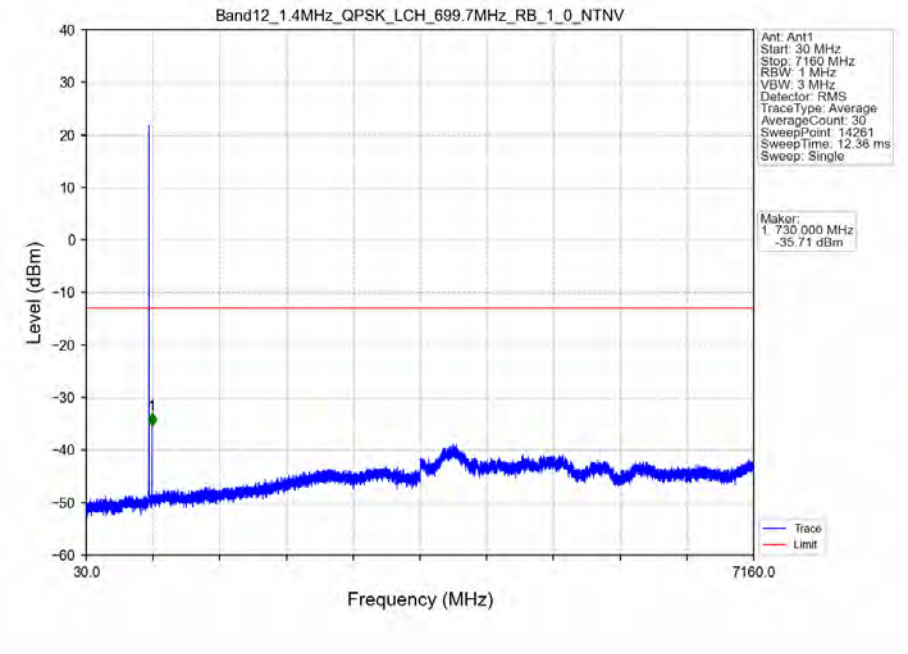
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

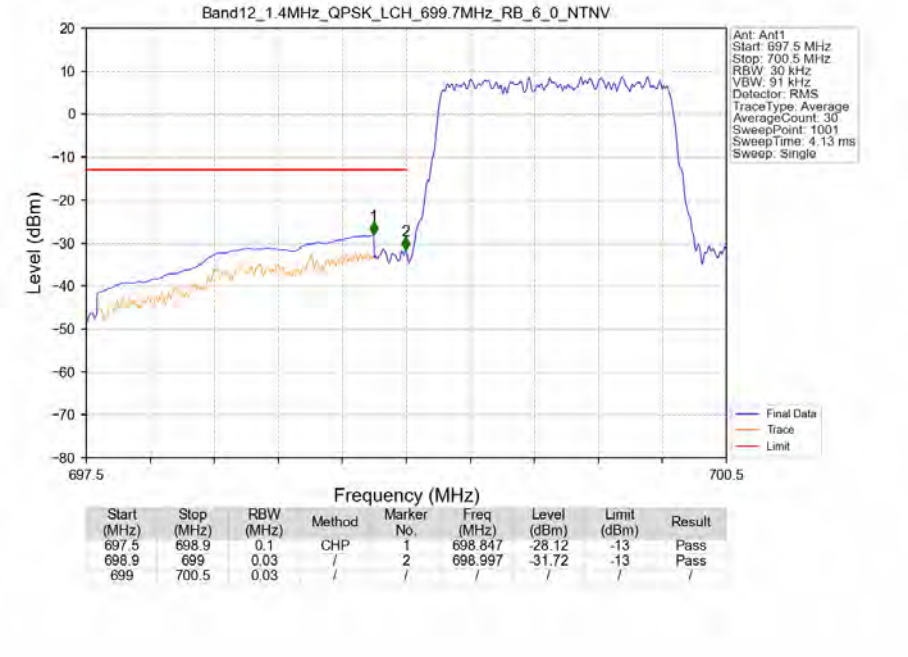


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-31.34	-13	Pass
698.9	699	0.03	/	2	698.994	-24.83	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

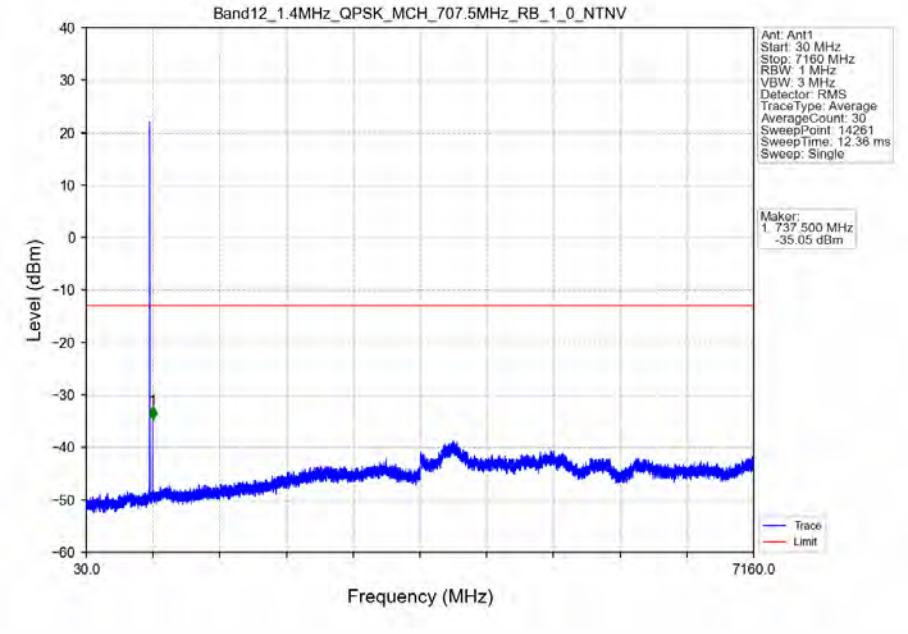


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

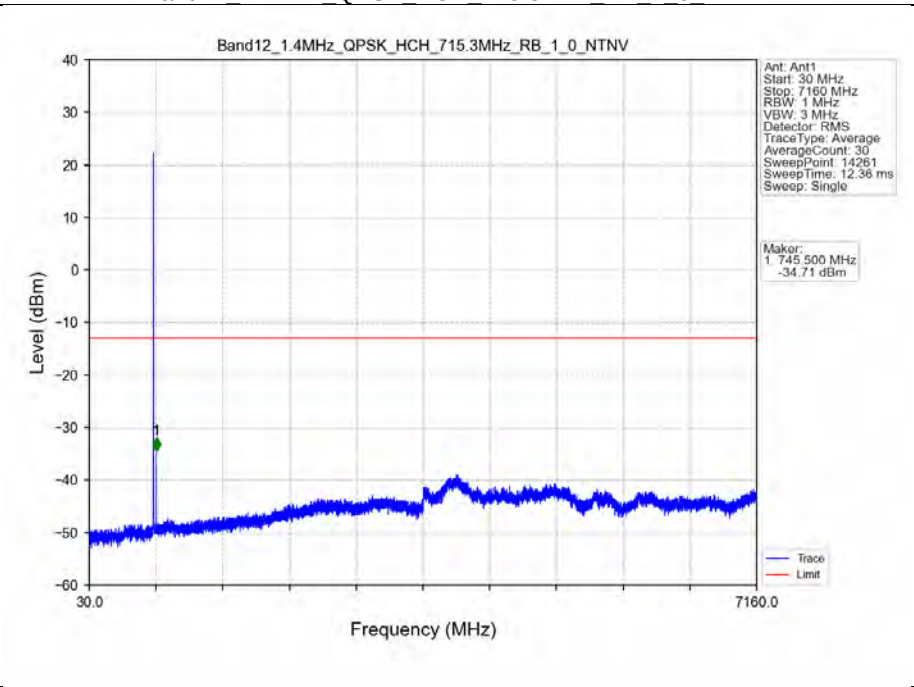


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-28.12	-13	Pass
698.9	699	0.03	/	2	698.997	-31.72	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

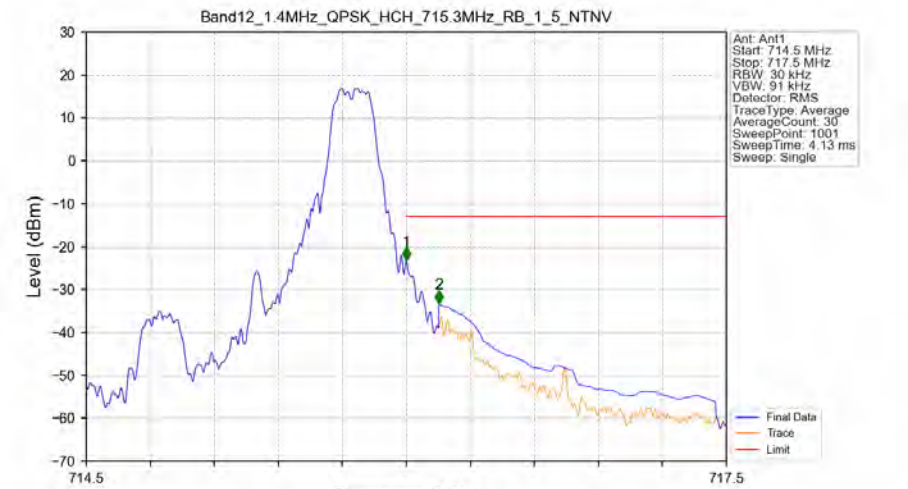
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

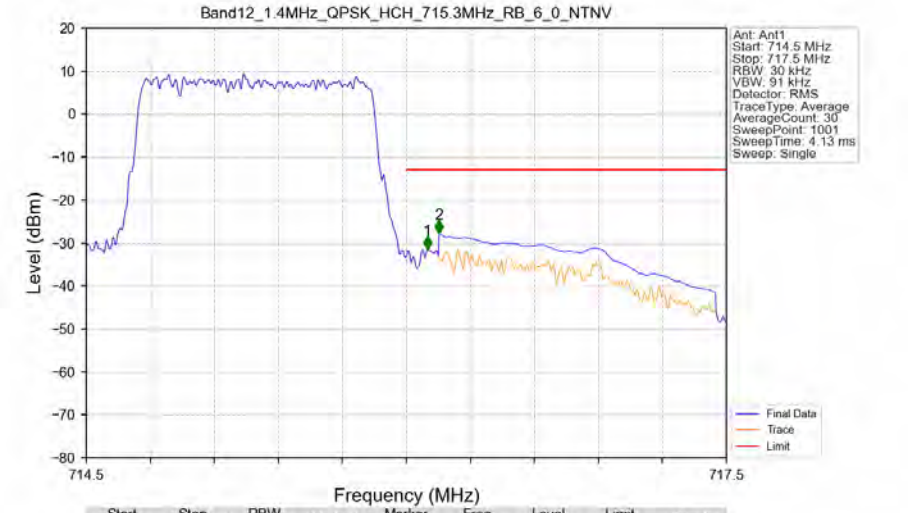


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



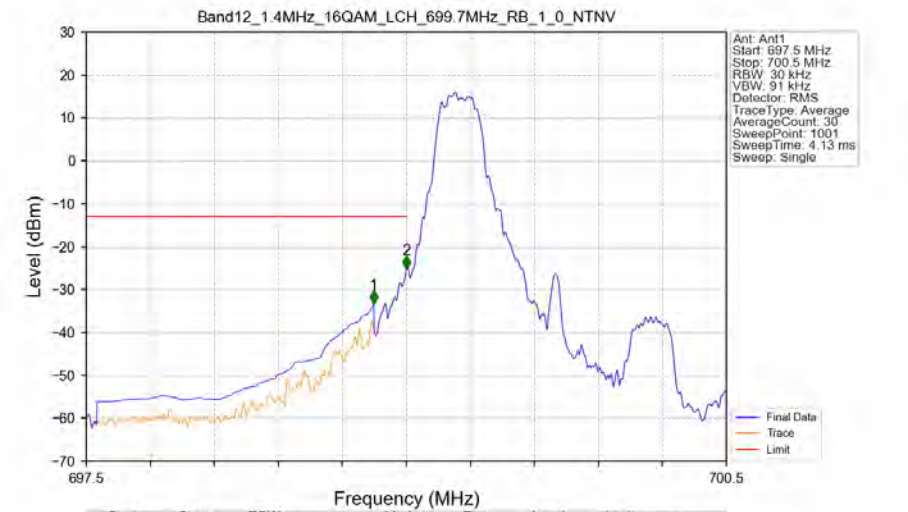
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-23.27	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-33.24	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



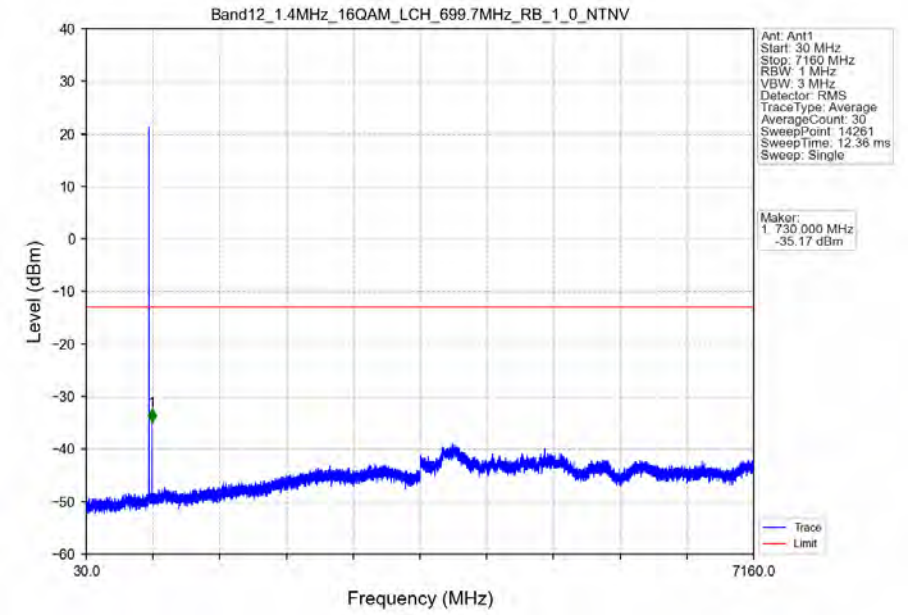
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.099	-31.51	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-27.85	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

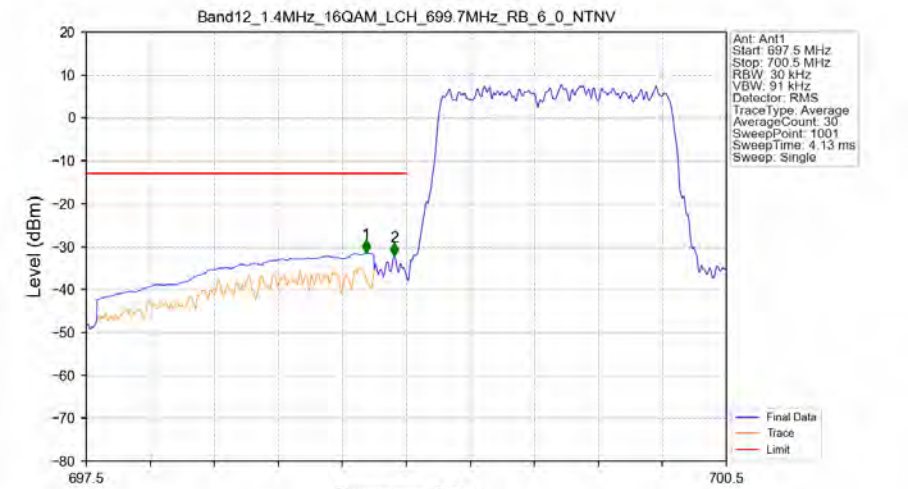


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-33.35	-13	Pass
698.9	699	0.03	/	2	699.000	-25.28	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

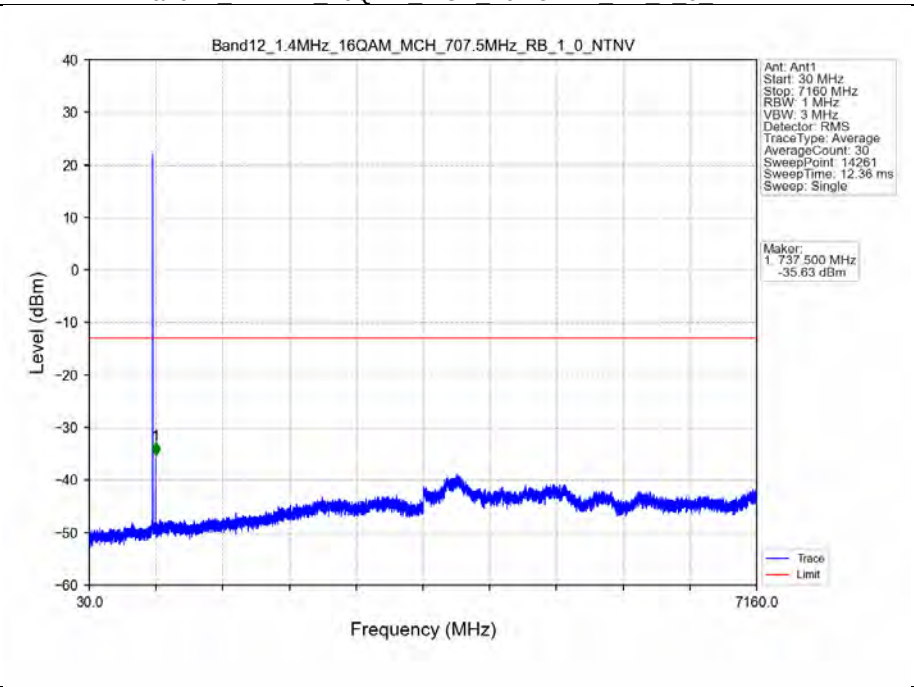


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

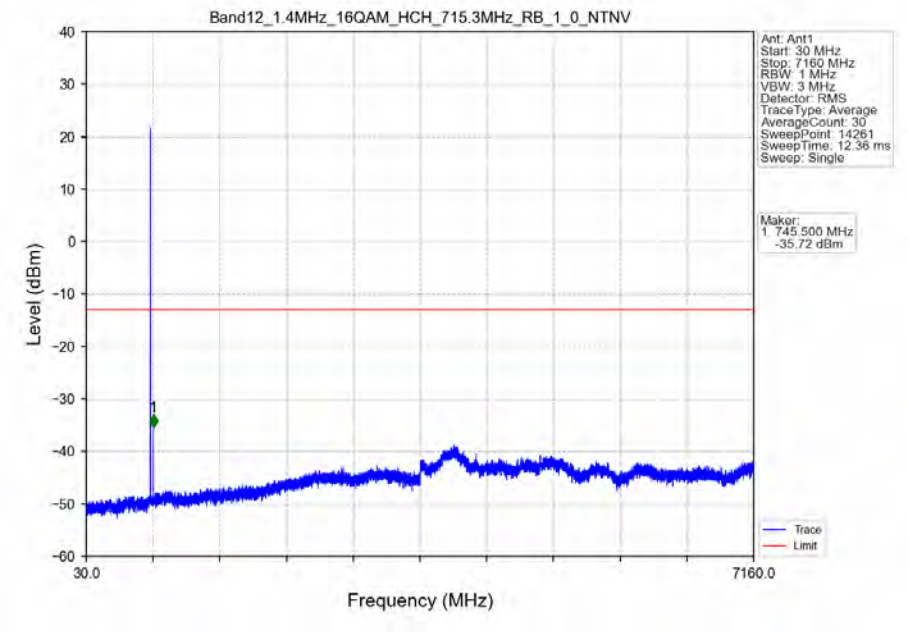


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.811	-31.52	-13	Pass
698.9	699	0.03	/	2	698.943	-32.26	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

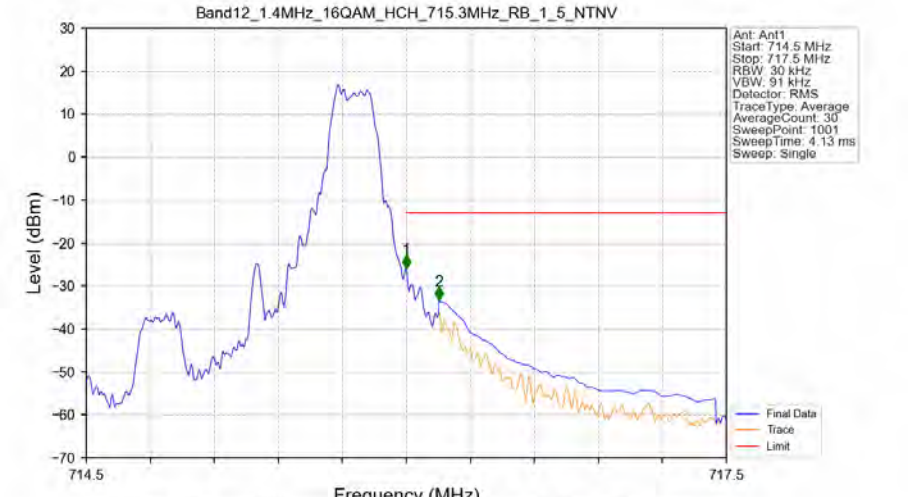
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

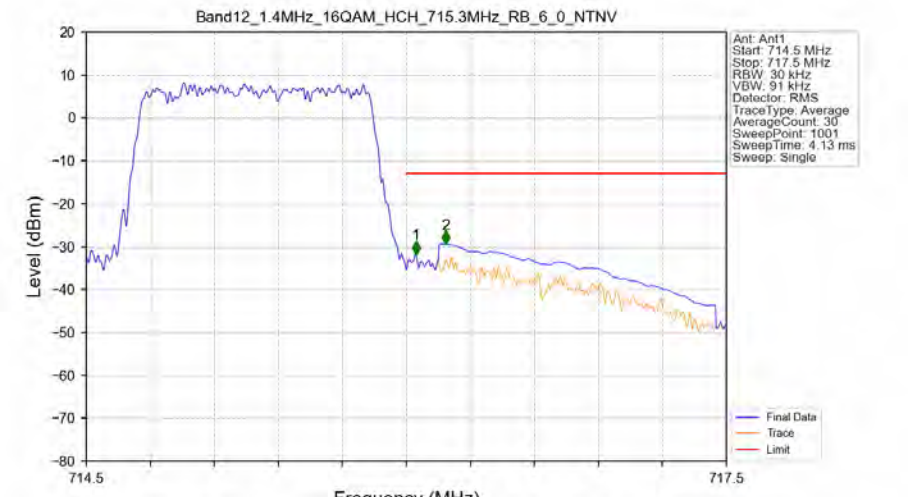


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



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	-25.94	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-33.38	-13	Pass

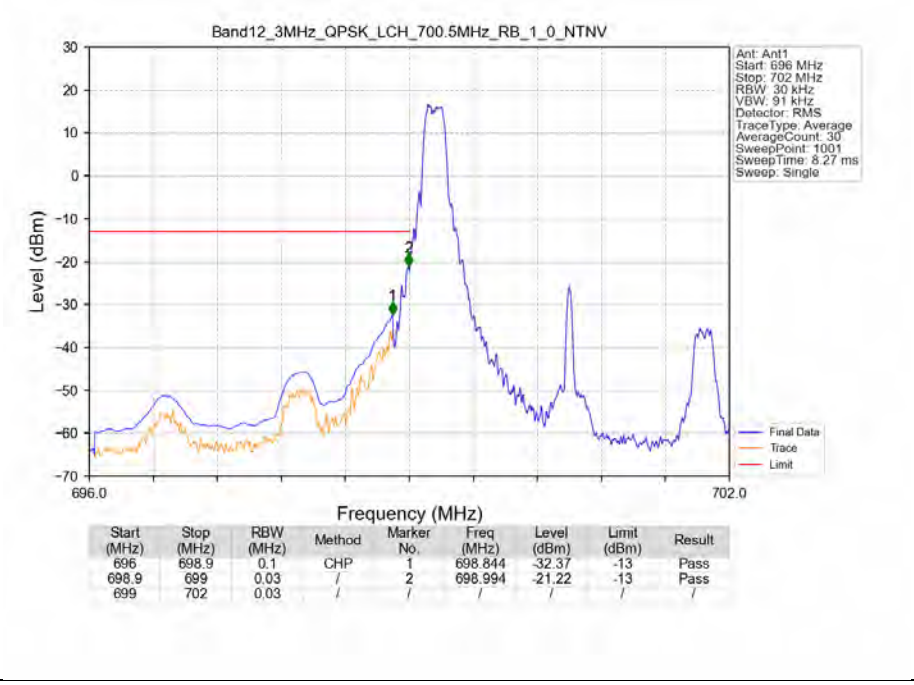
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



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	716.045	-31.78	-13	Pass
716.1	717.5	0.1	CHP	2	716.186	-29.35	-13	Pass

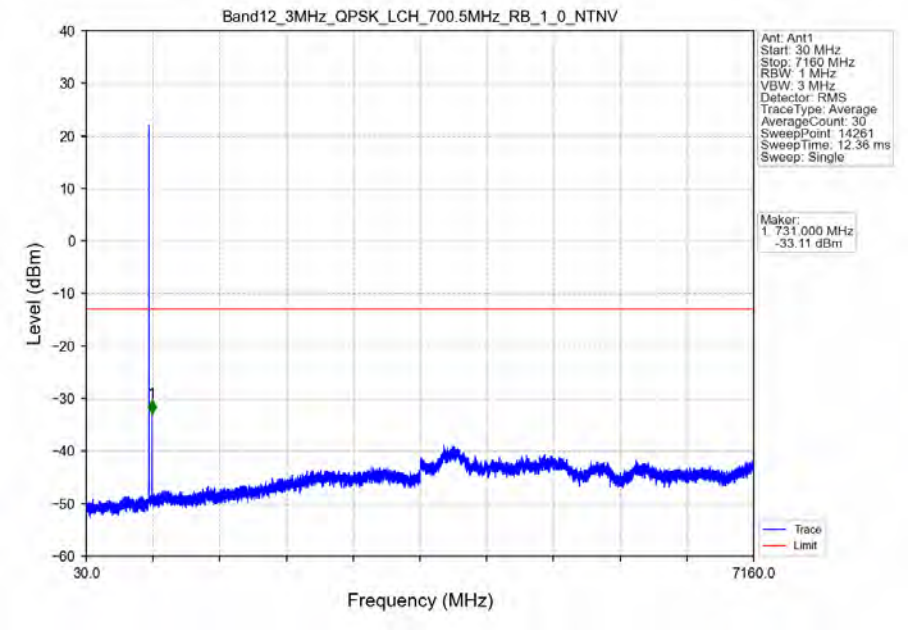
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

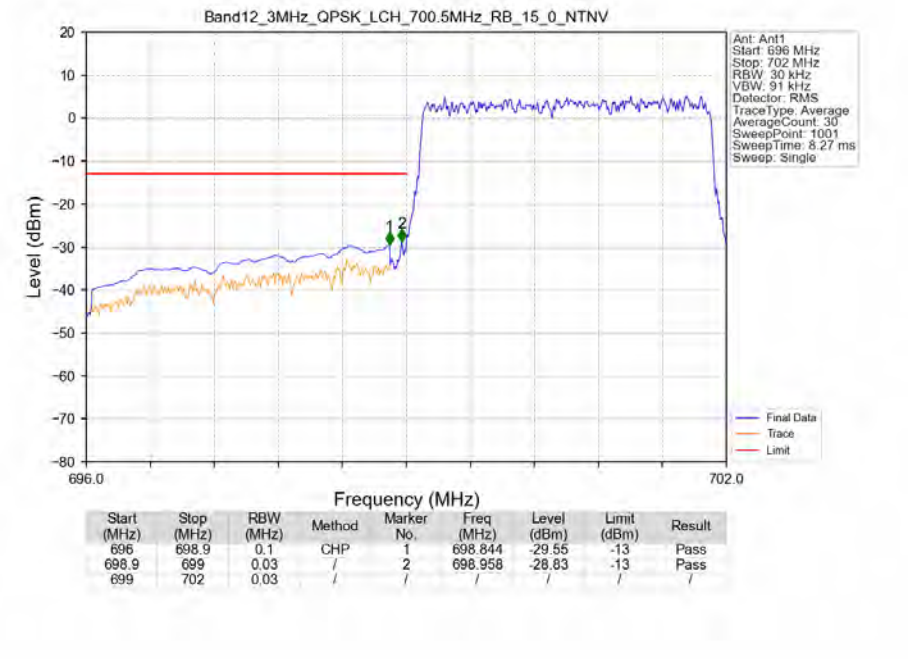


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-32.37	-13	Pass
698.9	699	0.03	/	2	698.994	-21.22	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

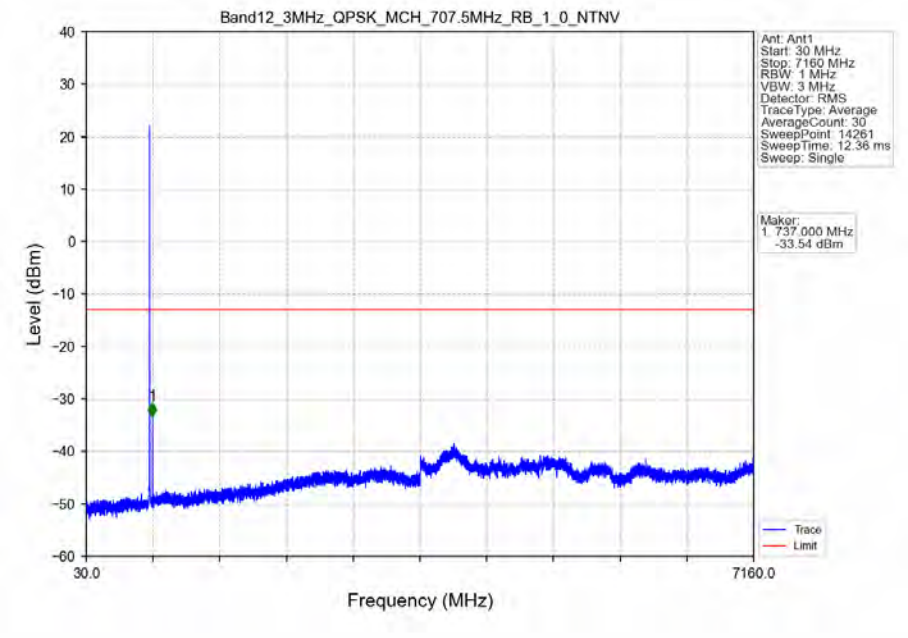


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

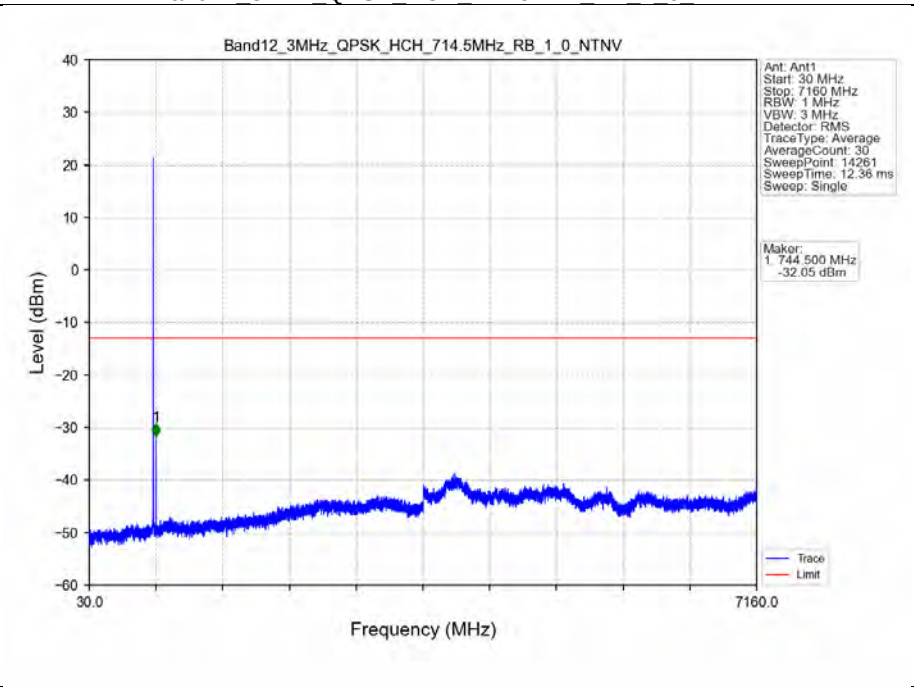


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.55	-13	Pass
698.9	699	0.03	/	2	698.958	-28.83	-13	Pass
699	702	0.03	/	/	/	/	/	/

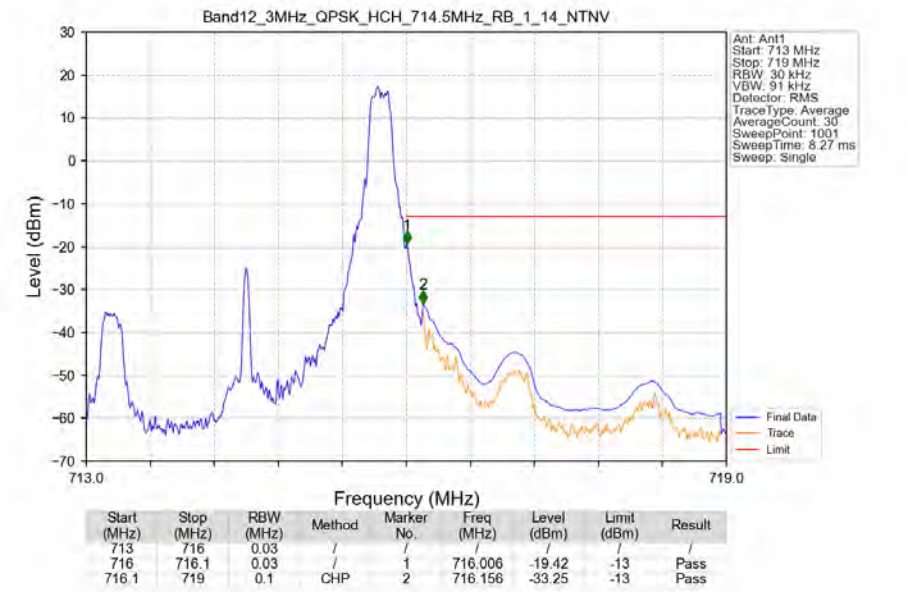
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

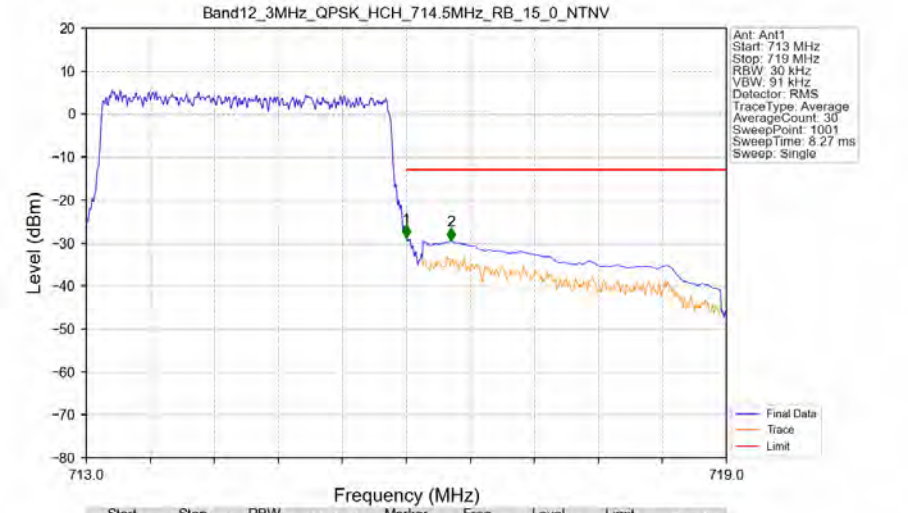


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



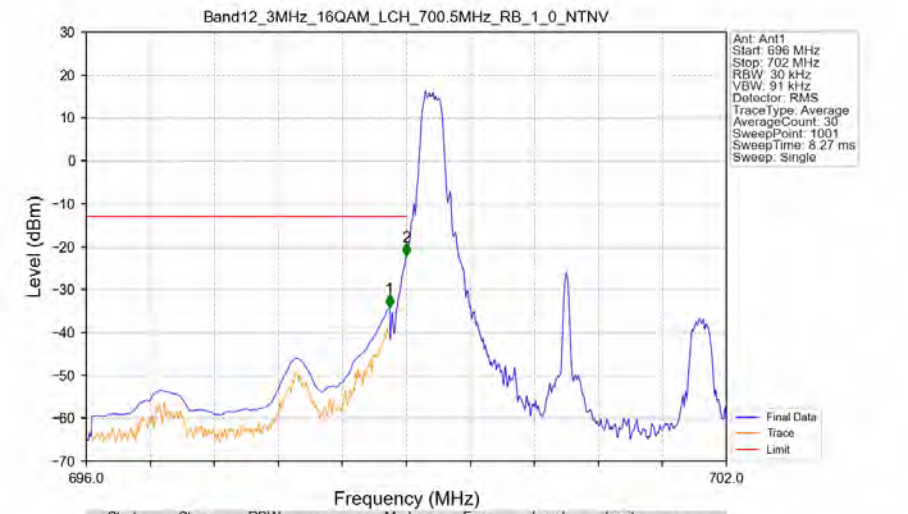
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-19.42	-13	Pass
716.1	719	0.1	CHP	2	716.156	-33.25	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



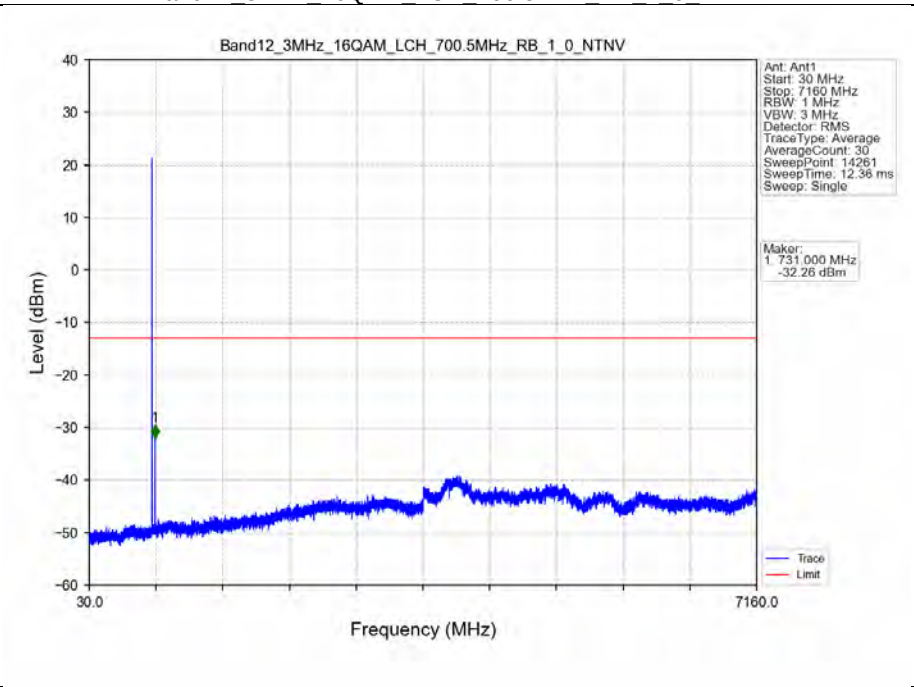
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-28.93	-13	Pass
716.1	719	0.1	CHP	2	716.420	-29.50	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

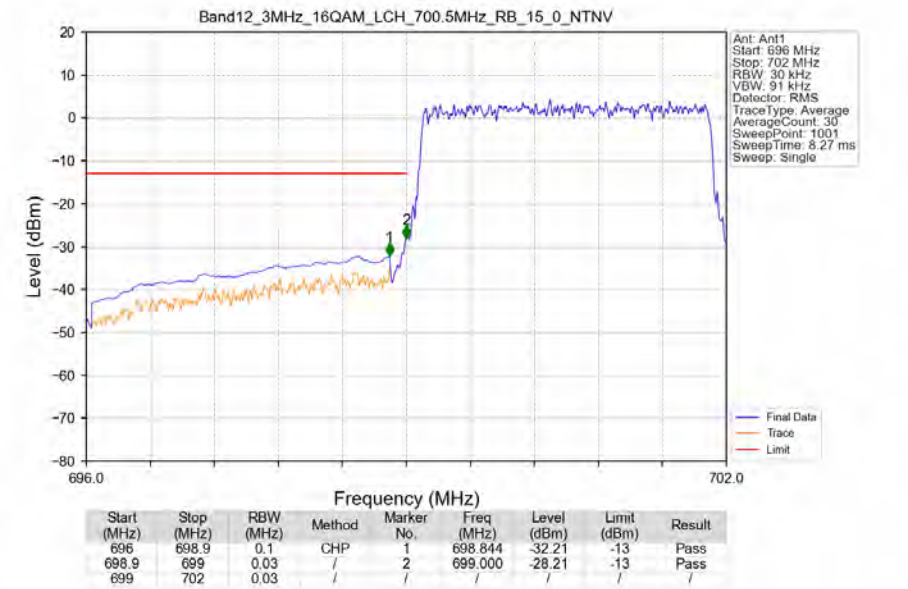


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-34.27	-13	Pass
698.9	699	0.03	/	2	699.000	-22.21	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

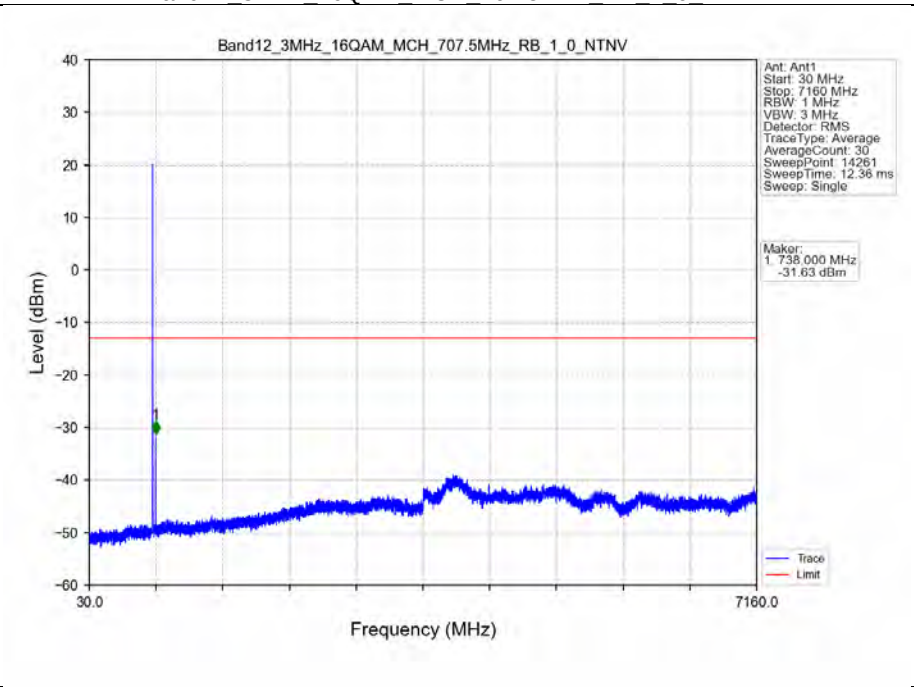


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

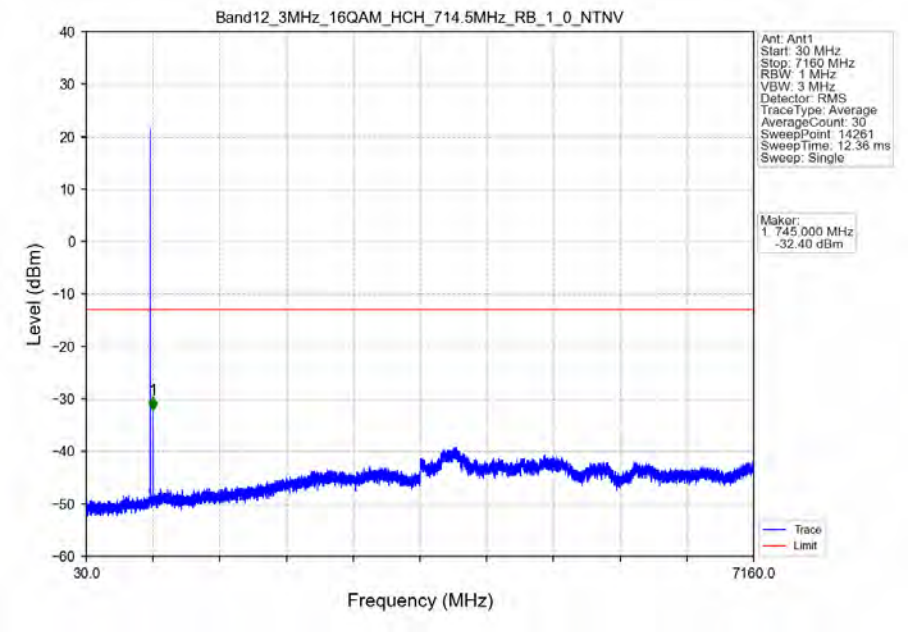


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-32.21	-13	Pass
698.9	699	0.03	/	2	699.000	-28.21	-13	Pass
699	702	0.03	/	/	/	/	/	/

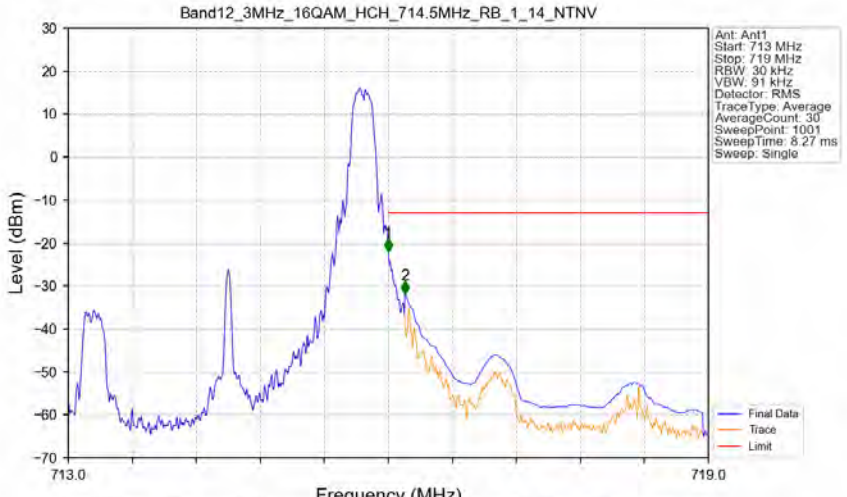
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

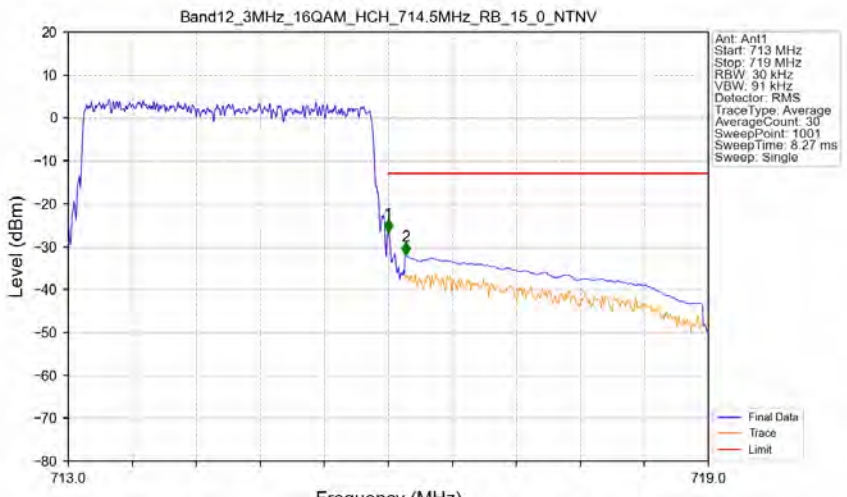


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



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	-21.98	-13	Pass
716.1	719	0.1	CHP	2	716.156	-31.91	-13	Pass

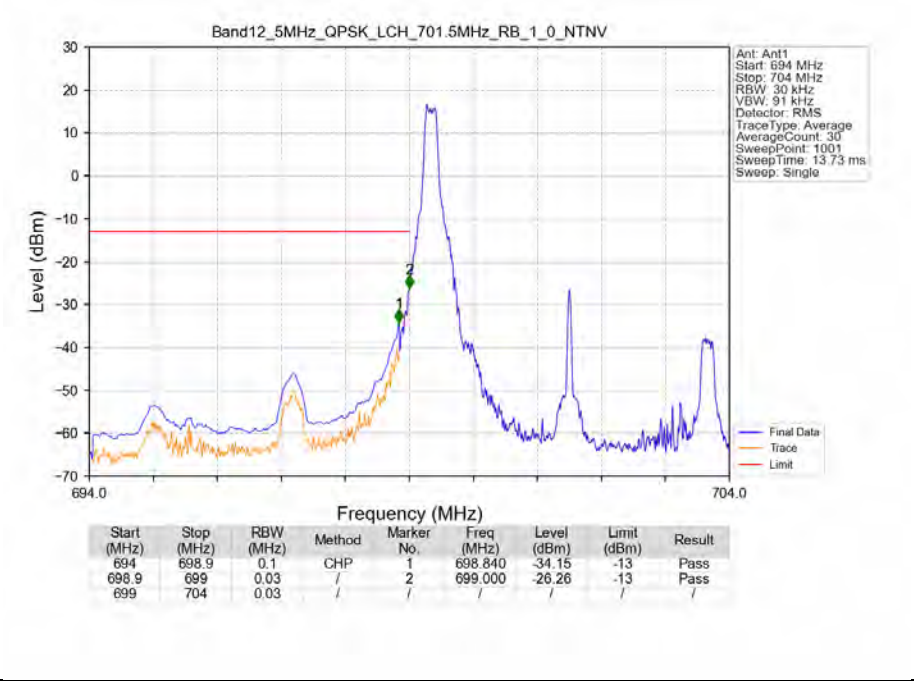
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



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	716.000	-26.76	-13	Pass
716.1	719	0.1	CHP	2	716.162	-32.05	-13	Pass

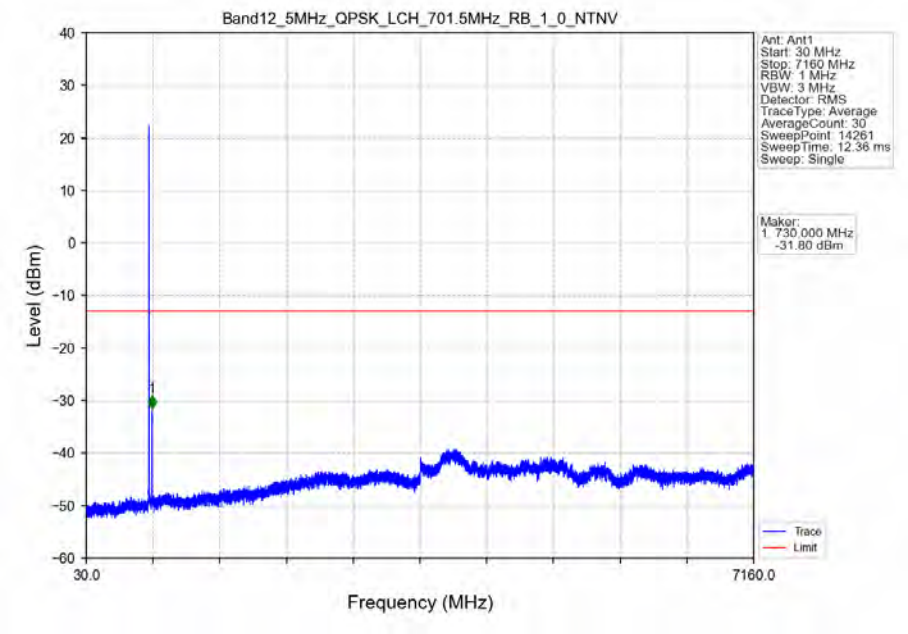
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

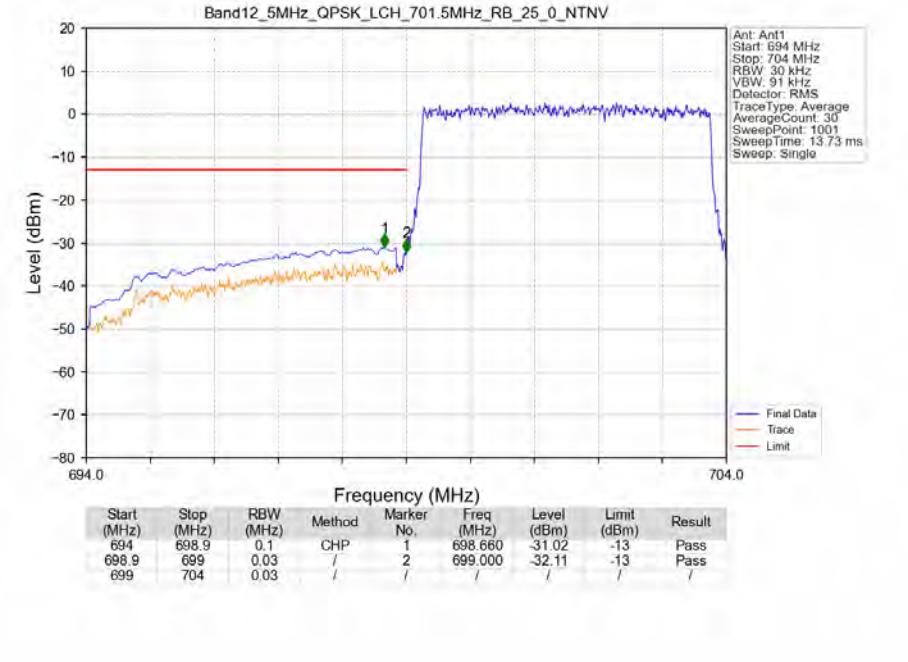


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-34.15	-13	Pass
698.9	699	0.03	/	2	699.000	-26.26	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

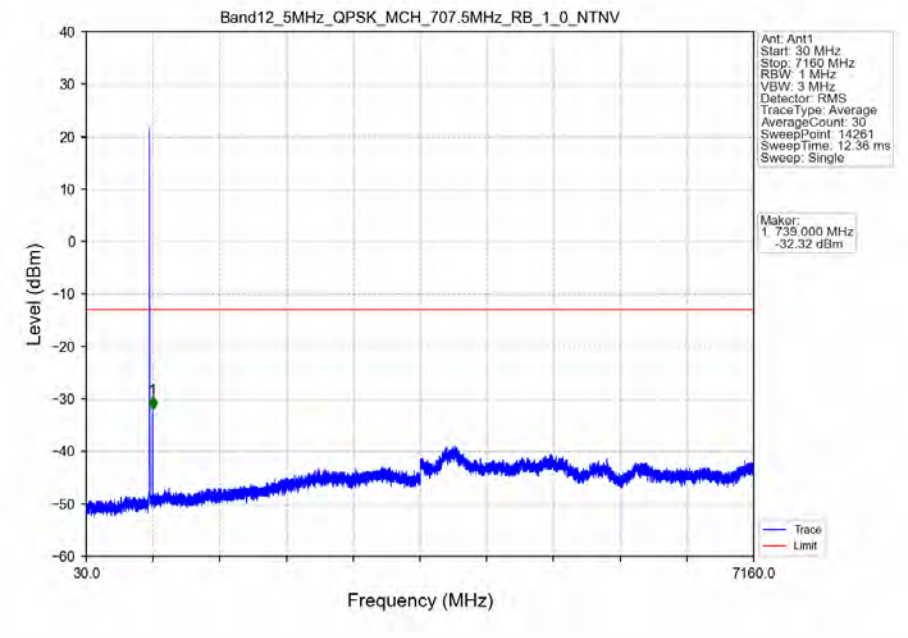


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

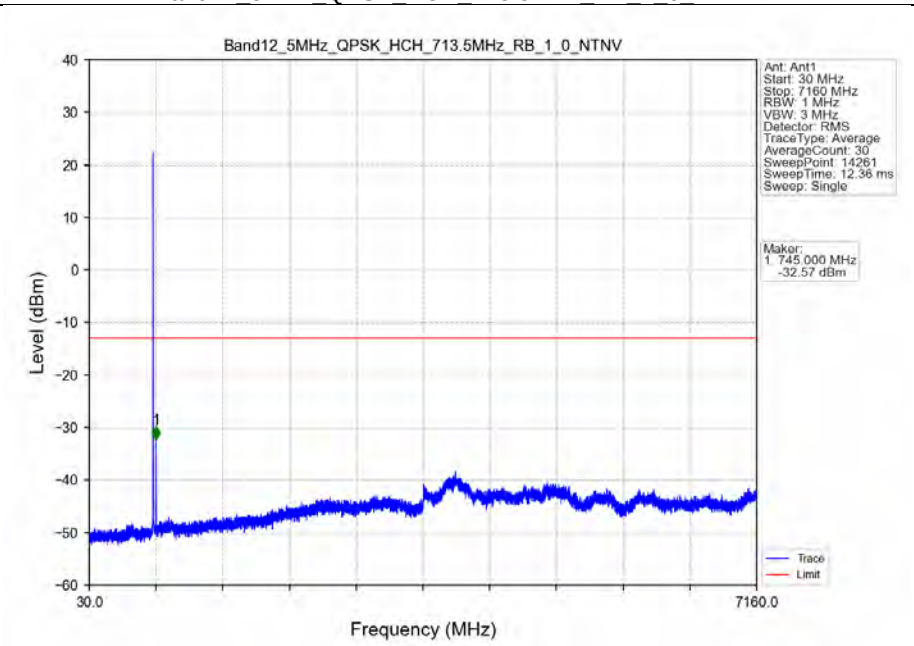


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.660	-31.02	-13	Pass
698.9	699	0.03	/	2	699.000	-32.11	-13	Pass
699	704	0.03	/	/	/	/	/	/

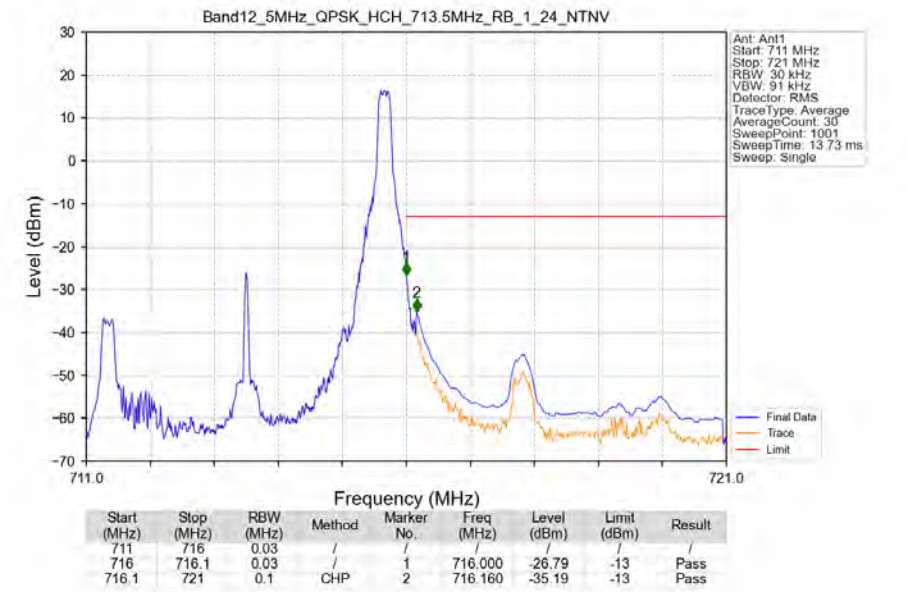
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

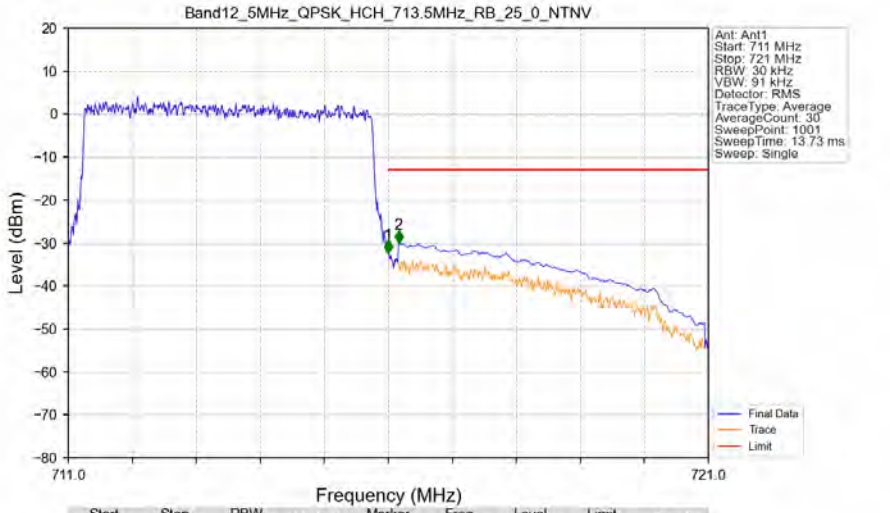


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



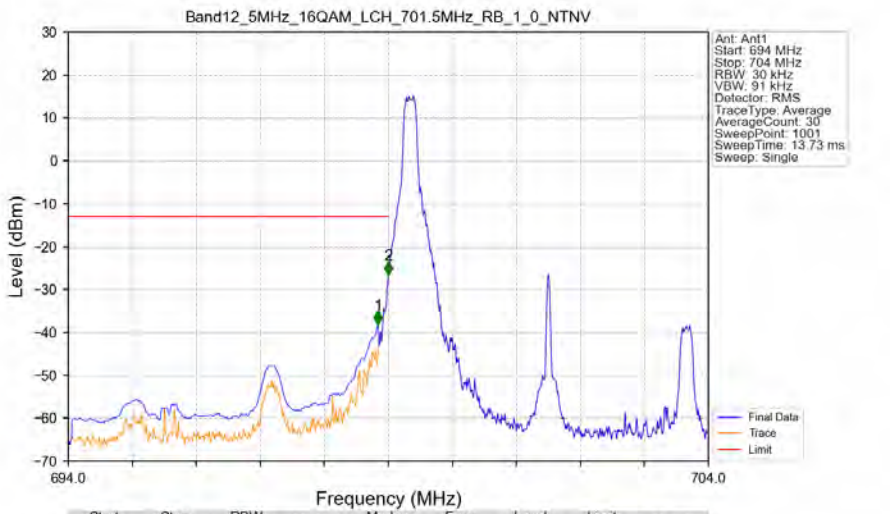
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-26.79	-13	Pass
716.1	721	0.1	CHP	2	716.160	-35.19	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



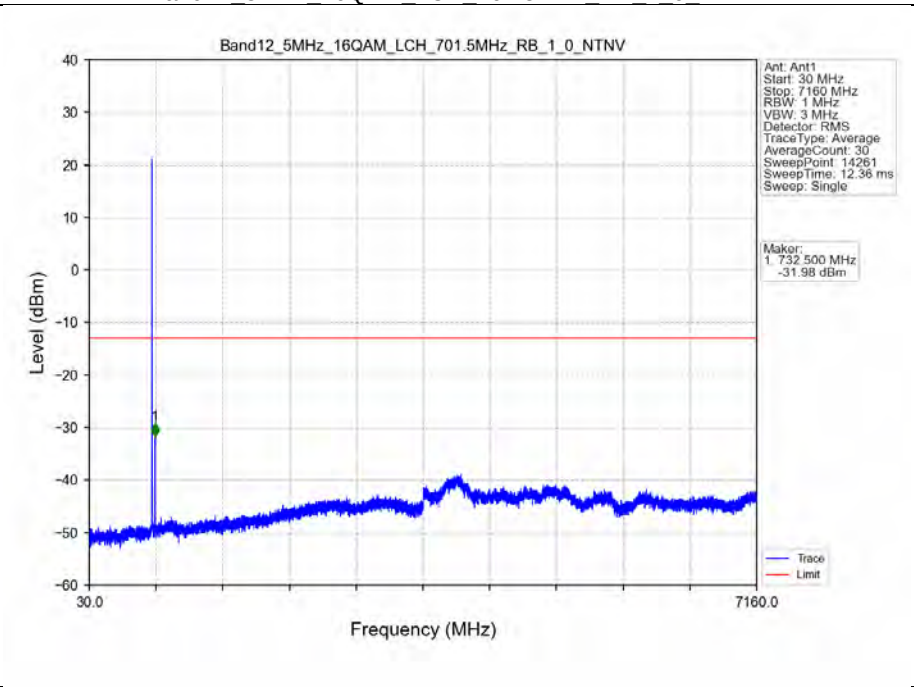
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-32.36	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.06	-13	Pass

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

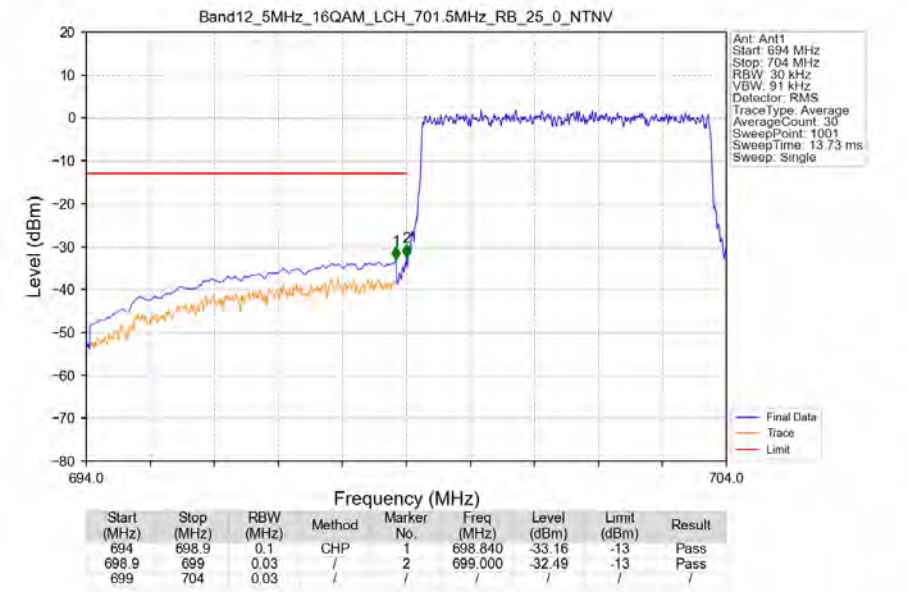


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-38.10	-13	Pass
698.9	699	0.03	/	2	699.000	-26.52	-13	Pass
699	704	0.03	/	/	/	/	/	/

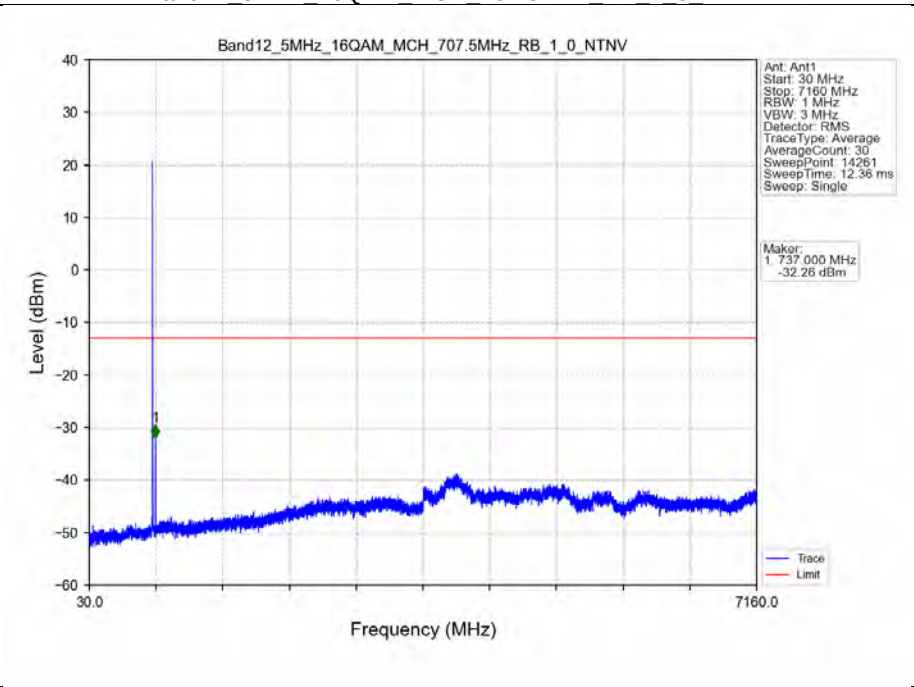
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

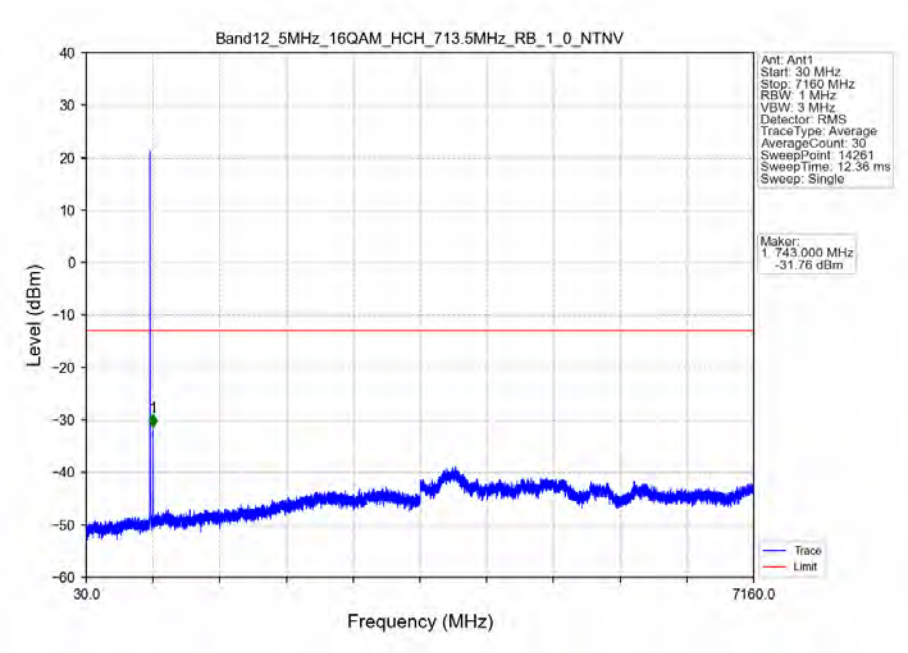


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

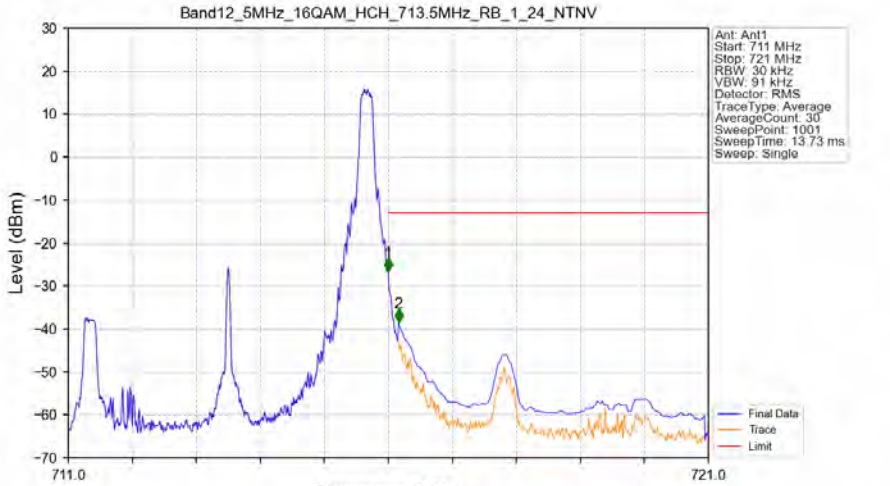


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-33.16	-13	Pass
698.9	699	0.03	/	2	699.000	-32.49	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV


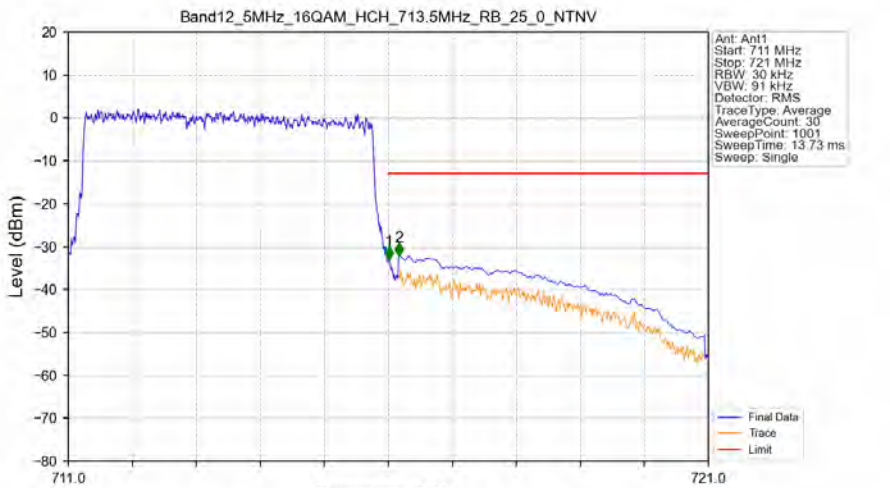
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV


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	-26.63	-13	Pass
716.1	721	0.1	CHP	2	716.160	-38.47	-13	Pass

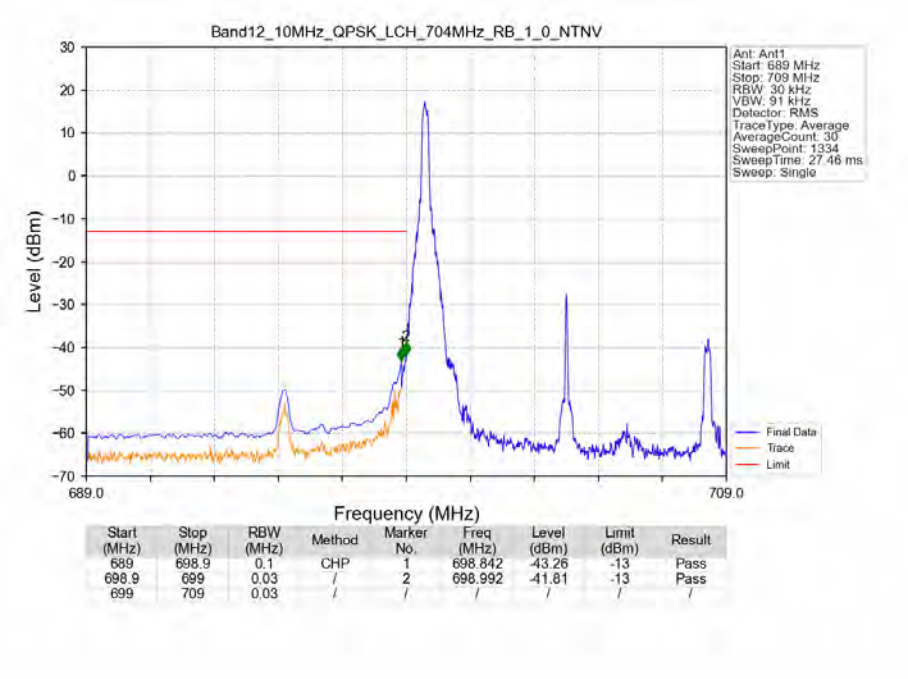
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-33.09	-13	Pass
716.1	721	0.1	CHP	2	716.170	-32.21	-13	Pass

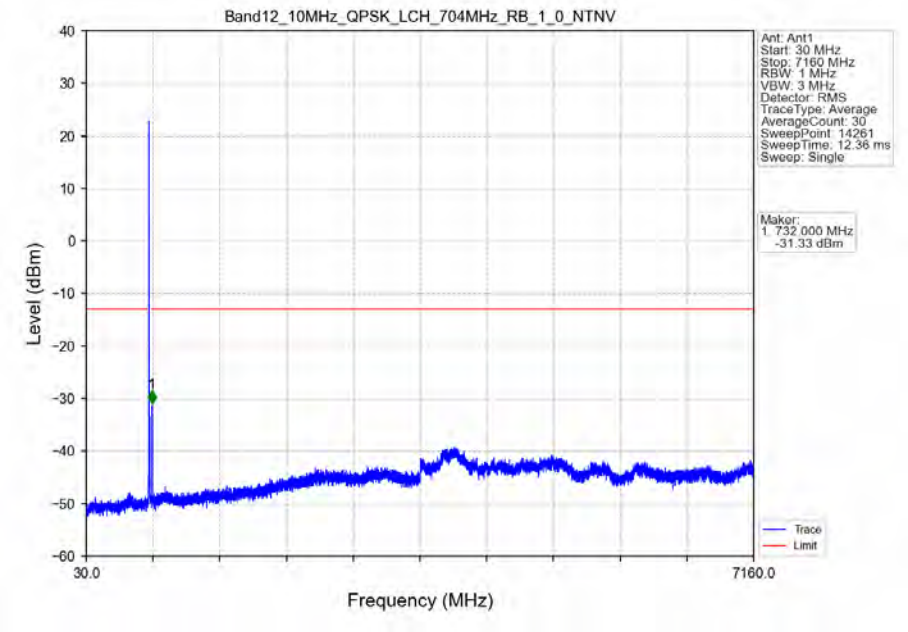
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

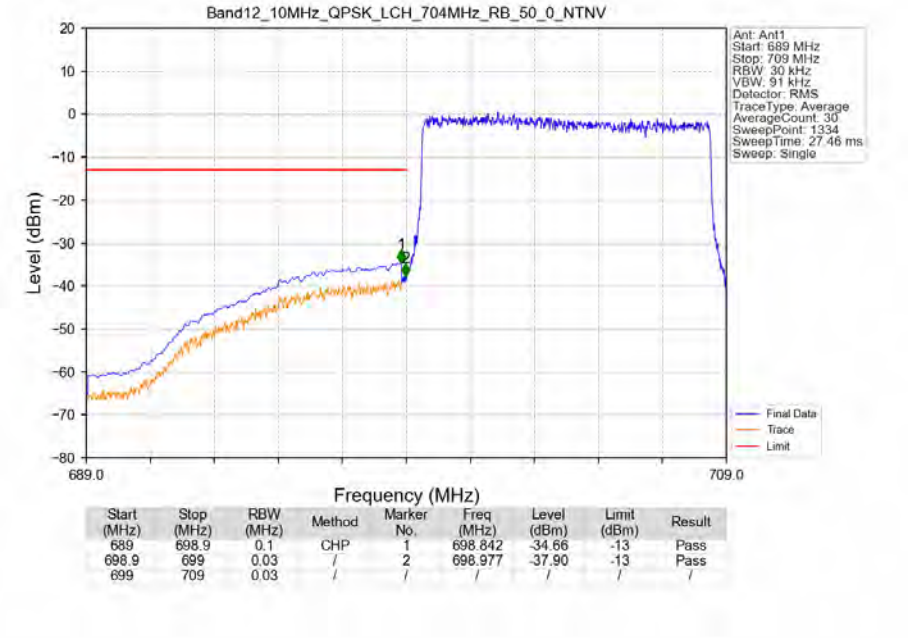


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-43.26	-13	Pass
698.9	699	0.03	/	2	698.992	-41.81	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

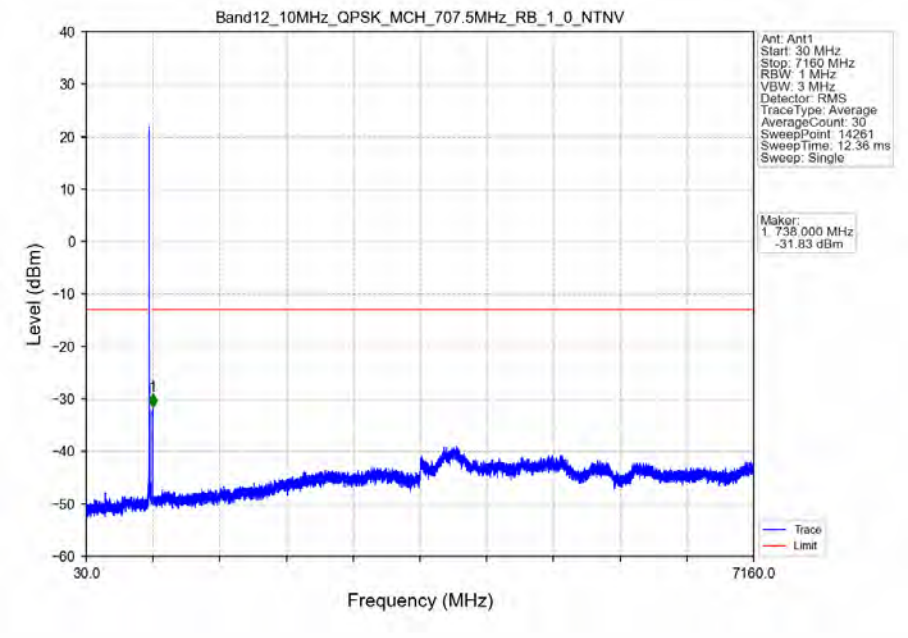


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

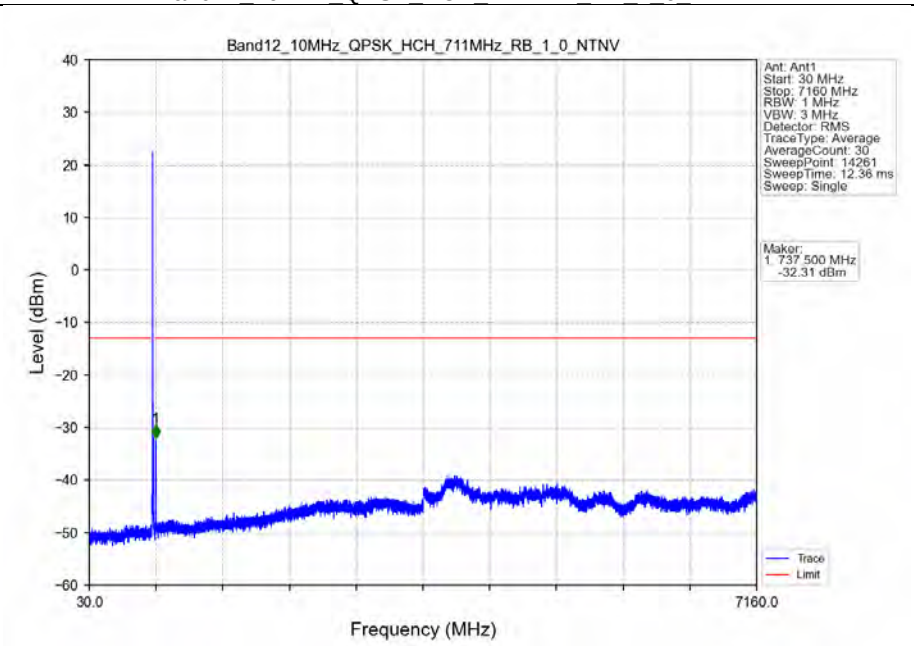


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-34.66	-13	Pass
698.9	699	0.03	/	2	698.977	-37.90	-13	Pass
699	709	0.03	/	/	/	/	/	/

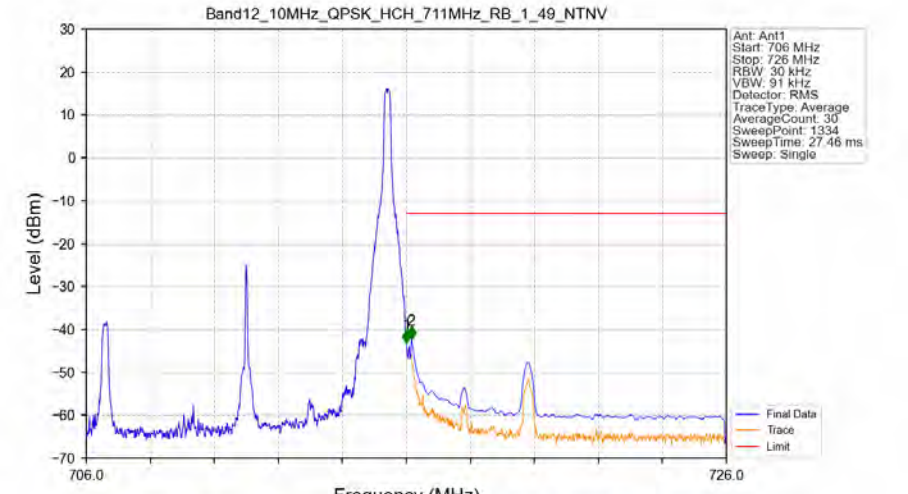
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

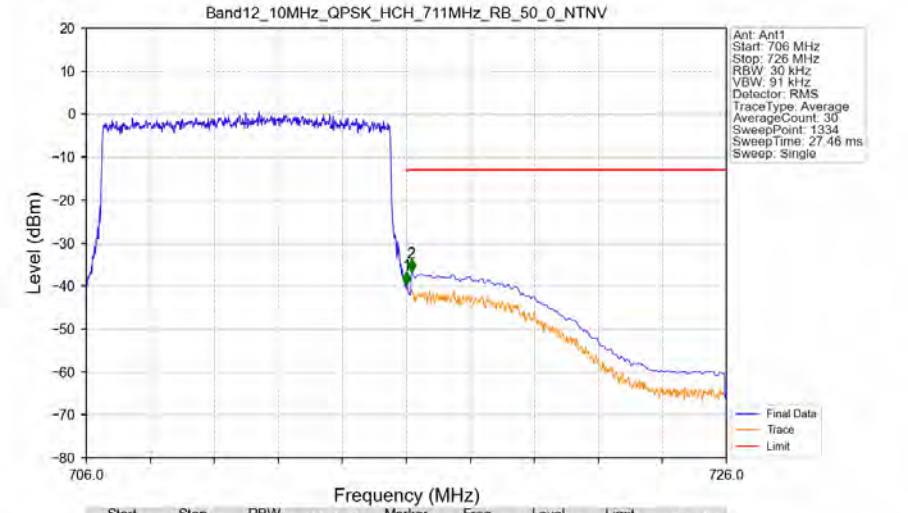


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



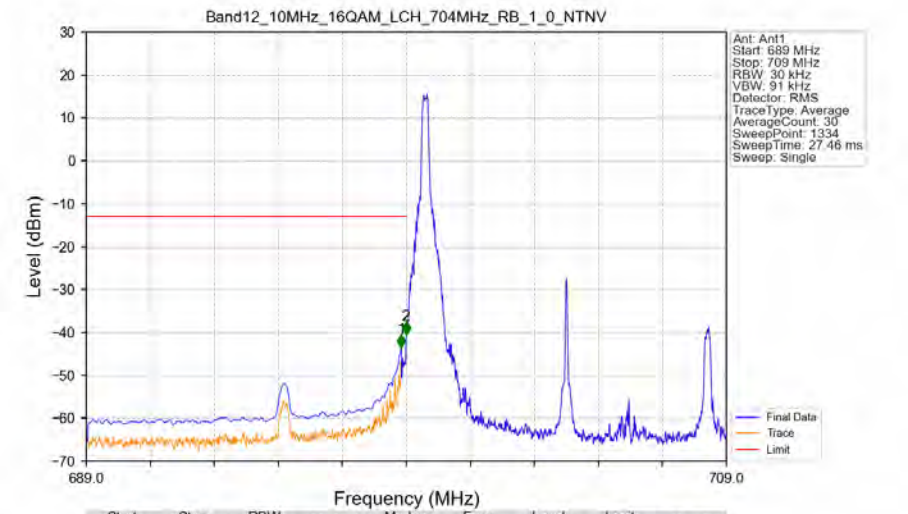
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-43.17	-13	Pass
716.1	726	0.1	CHP	2	716.158	-42.35	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



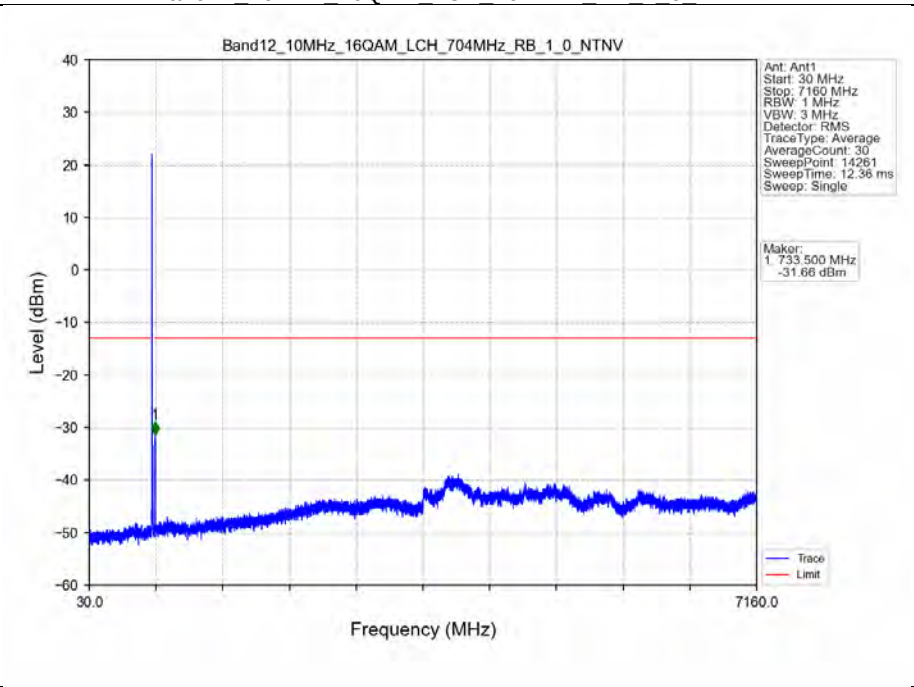
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-39.73	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.77	-13	Pass

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

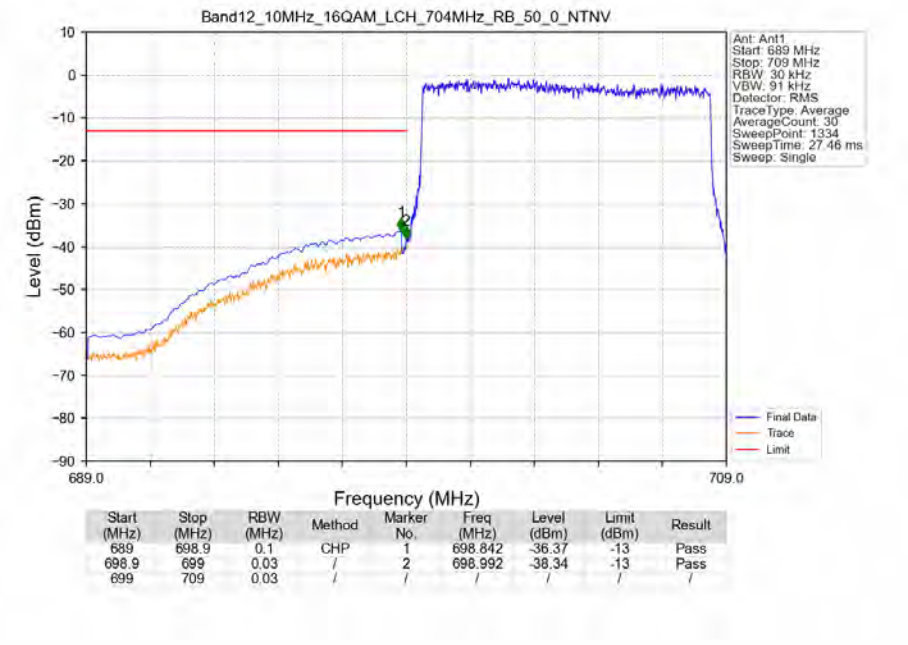


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-43.55	-13	Pass
698.9	699	0.03	/	2	698.992	-40.60	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

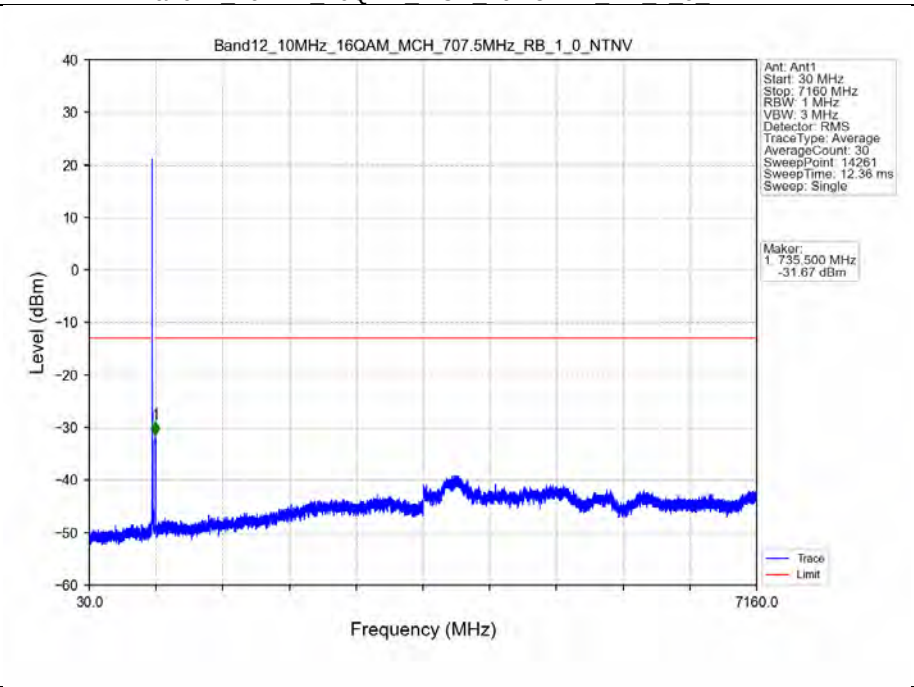


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

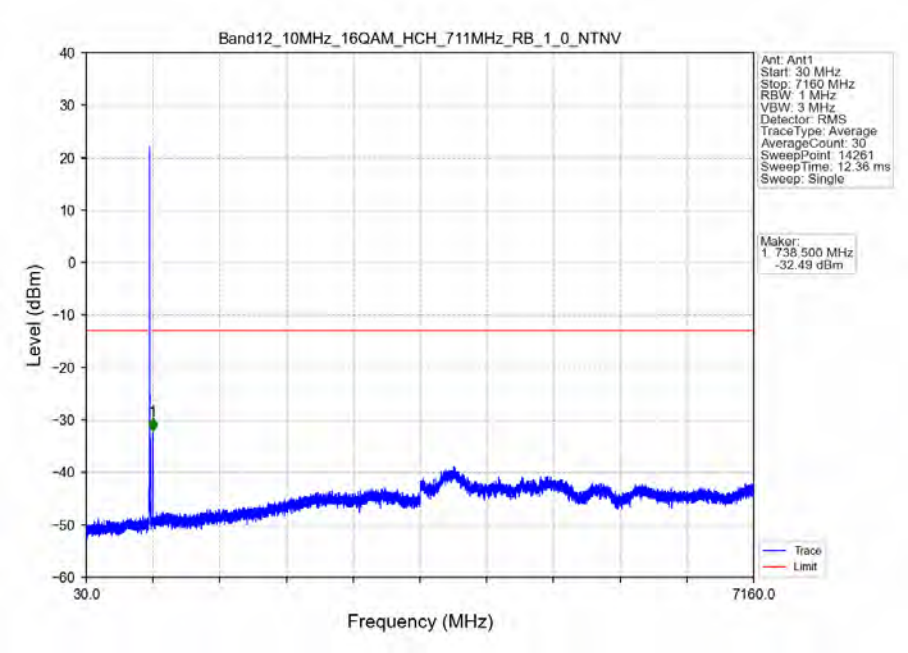


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-36.37	-13	Pass
698.9	699	0.03	/	2	698.992	-38.34	-13	Pass
699	709	0.03	/	/	/	/	/	/

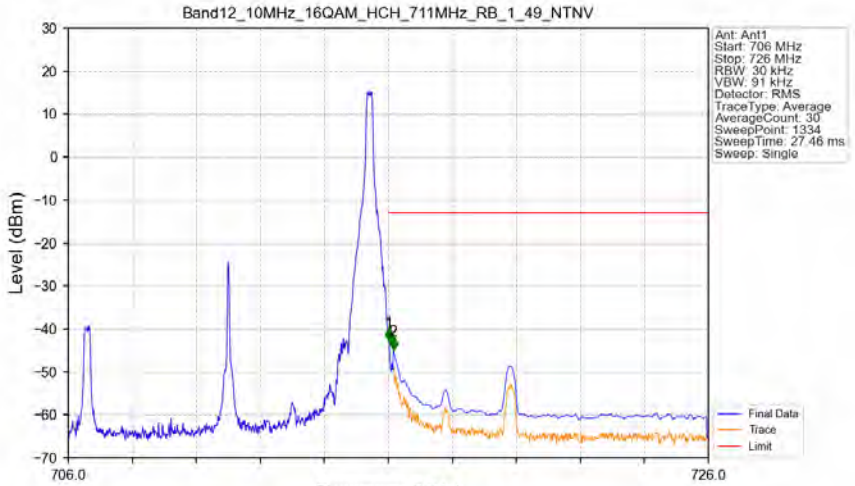
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

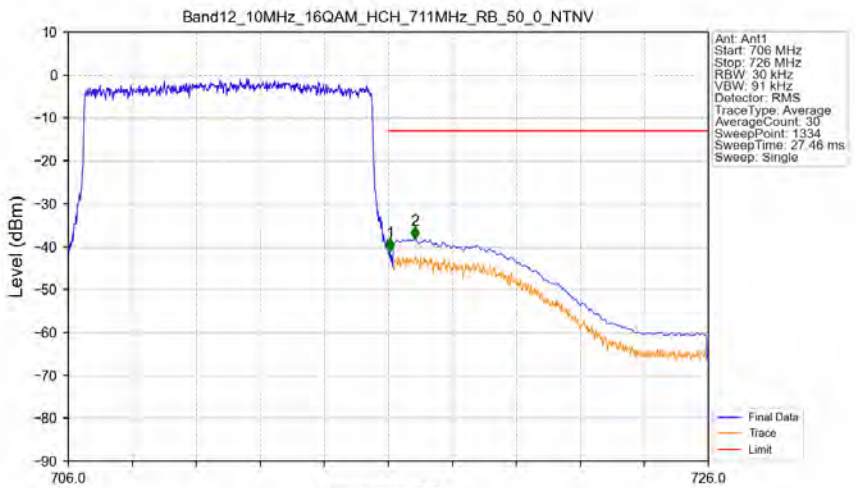


Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



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	716.023	-42.89	-13	Pass
716.1	726	0.1	CHP	2	716.158	-45.03	-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	716.053	-41.17	-13	Pass
716.1	726	0.1	CHP	2	716.833	-38.36	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 12-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1399.0	-69.35	-13	-56.35	-72.66	1.93	5.24	Horizontal	Pass
2098.5	-62.05	-13	-49.05	-64.5	2.41	4.86	Horizontal	Pass
2798.0	-61.72	-13	-48.72	-65.36	2.84	6.48	Horizontal	Pass
1399.0	-70.24	-13	-57.24	-73.55	1.93	5.24	Vertical	Pass
2098.5	-62.55	-13	-49.55	-65.0	2.41	4.86	Vertical	Pass
2798.0	-62.3	-13	-49.3	-65.94	2.84	6.48	Vertical	Pass

LTE Band 12-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1406.0	-70.87	-13	-57.87	-74.22	1.93	5.28	Horizontal	Pass
2109.0	-60.86	-13	-47.86	-63.32	2.42	4.88	Horizontal	Pass
2812.0	-62.31	-13	-49.31	-65.97	2.85	6.51	Horizontal	Pass
1406.0	-69.73	-13	-56.73	-73.08	1.93	5.28	Vertical	Pass
2109.0	-61.9	-13	-48.9	-64.36	2.42	4.88	Vertical	Pass
2812.0	-62.09	-13	-49.09	-65.75	2.85	6.51	Vertical	Pass

LTE Band 12-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1413.0	-69.99	-13	-56.99	-73.38	1.94	5.33	Horizontal	Pass
2119.5	-61.82	-13	-48.82	-64.31	2.42	4.91	Horizontal	Pass
2826.0	-61.67	-13	-48.67	-65.35	2.86	6.54	Horizontal	Pass
1413.0	-68.58	-13	-55.58	-71.97	1.94	5.33	Vertical	Pass
2119.5	-62.93	-13	-49.93	-65.42	2.42	4.91	Vertical	Pass
2826.0	-62.0	-13	-49.0	-65.68	2.86	6.54	Vertical	Pass