

Appendix - LTE Band: 12

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	699.7	1	0	22.67	-0.38	20.14	<=34.77	Pass	
			2	22.73	-0.38	20.20	<=34.77	Pass	
			5	22.75	-0.38	20.22	<=34.77	Pass	
		3	0	22.71	-0.38	20.18	<=34.77	Pass	
			2	22.68	-0.38	20.15	<=34.77	Pass	
			3	22.70	-0.38	20.17	<=34.77	Pass	
		6	0	21.58	-0.38	19.05	<=34.77	Pass	
		707.5	1	0	22.83	-0.38	20.30	<=34.77	Pass
				2	22.86	-0.38	20.33	<=34.77	Pass
	5			22.86	-0.38	20.33	<=34.77	Pass	
	3		0	22.79	-0.38	20.26	<=34.77	Pass	
			2	22.85	-0.38	20.32	<=34.77	Pass	
			3	22.93	-0.38	20.40	<=34.77	Pass	
	715.3	6	0	21.94	-0.38	19.41	<=34.77	Pass	
		1	0	22.93	-0.38	20.40	<=34.77	Pass	
			2	22.99	-0.38	20.46	<=34.77	Pass	
			5	23.05	-0.38	20.52	<=34.77	Pass	
		3	0	22.96	-0.38	20.43	<=34.77	Pass	
			2	23.06	-0.38	20.53	<=34.77	Pass	
			3	22.98	-0.38	20.45	<=34.77	Pass	
		6	0	21.94	-0.38	19.41	<=34.77	Pass	
16QAM		699.7	1	0	21.73	-0.38	19.20	<=34.77	Pass
	2			21.65	-0.38	19.12	<=34.77	Pass	
	5			21.74	-0.38	19.21	<=34.77	Pass	
	3		0	21.46	-0.38	18.93	<=34.77	Pass	
			2	21.48	-0.38	18.95	<=34.77	Pass	
			3	21.44	-0.38	18.91	<=34.77	Pass	
	6		0	20.78	-0.38	18.25	<=34.77	Pass	
	707.5	1	0	22.46	-0.38	19.93	<=34.77	Pass	
			2	22.51	-0.38	19.98	<=34.77	Pass	
			5	22.61	-0.38	20.08	<=34.77	Pass	
		3	0	21.95	-0.38	19.42	<=34.77	Pass	
			2	21.97	-0.38	19.44	<=34.77	Pass	
			3	21.98	-0.38	19.45	<=34.77	Pass	
	6	0	21.12	-0.38	18.59	<=34.77	Pass		
	715.3	1	0	22.62	-0.38	20.09	<=34.77	Pass	
			2	22.67	-0.38	20.14	<=34.77	Pass	
			5	22.71	-0.38	20.18	<=34.77	Pass	
		3	0	21.87	-0.38	19.34	<=34.77	Pass	
2			21.94	-0.38	19.41	<=34.77	Pass		
3			21.86	-0.38	19.33	<=34.77	Pass		
6		0	21.12	-0.38	18.59	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	22.74	-0.38	20.21	<=34.77	Pass
			7	22.71	-0.38	20.18	<=34.77	Pass
			14	22.82	-0.38	20.29	<=34.77	Pass
		8	0	21.65	-0.38	19.12	<=34.77	Pass
			4	21.70	-0.38	19.17	<=34.77	Pass
			7	21.75	-0.38	19.22	<=34.77	Pass
		15	0	21.67	-0.38	19.14	<=34.77	Pass
	707.5	1	0	22.80	-0.38	20.27	<=34.77	Pass
			7	22.89	-0.38	20.36	<=34.77	Pass
			14	22.91	-0.38	20.38	<=34.77	Pass
		8	0	21.91	-0.38	19.38	<=34.77	Pass
			4	21.99	-0.38	19.46	<=34.77	Pass
			7	21.90	-0.38	19.37	<=34.77	Pass
		15	0	21.91	-0.38	19.38	<=34.77	Pass
	714.5	1	0	22.96	-0.38	20.43	<=34.77	Pass
			7	23.01	-0.38	20.48	<=34.77	Pass
			14	23.05	-0.38	20.52	<=34.77	Pass
		8	0	21.93	-0.38	19.40	<=34.77	Pass
			4	21.93	-0.38	19.40	<=34.77	Pass
			7	22.02	-0.38	19.49	<=34.77	Pass
		15	0	22.00	-0.38	19.47	<=34.77	Pass
16QAM	700.5	1	0	21.85	-0.38	19.32	<=34.77	Pass
			7	21.90	-0.38	19.37	<=34.77	Pass
			14	21.97	-0.38	19.44	<=34.77	Pass
		8	0	20.84	-0.38	18.31	<=34.77	Pass
			4	20.92	-0.38	18.39	<=34.77	Pass
			7	20.95	-0.38	18.42	<=34.77	Pass
		15	0	20.74	-0.38	18.21	<=34.77	Pass
	707.5	1	0	22.46	-0.38	19.93	<=34.77	Pass
			7	22.53	-0.38	20.00	<=34.77	Pass
			14	22.56	-0.38	20.03	<=34.77	Pass
		8	0	20.93	-0.38	18.40	<=34.77	Pass
			4	21.02	-0.38	18.49	<=34.77	Pass
			7	21.03	-0.38	18.50	<=34.77	Pass
		15	0	21.02	-0.38	18.49	<=34.77	Pass
	714.5	1	0	22.78	-0.38	20.25	<=34.77	Pass
			7	22.79	-0.38	20.26	<=34.77	Pass
			14	22.80	-0.38	20.27	<=34.77	Pass
		8	0	21.19	-0.38	18.66	<=34.77	Pass
			4	21.21	-0.38	18.68	<=34.77	Pass
			7	21.19	-0.38	18.66	<=34.77	Pass
		15	0	21.07	-0.38	18.54	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	22.63	-0.38	20.10	<=34.77	Pass
			13	22.57	-0.38	20.04	<=34.77	Pass
			24	22.65	-0.38	20.12	<=34.77	Pass
		12	0	21.72	-0.38	19.19	<=34.77	Pass

16QAM	707.5	25	6	21.58	-0.38	19.05	<=34.77	Pass
			13	21.83	-0.38	19.30	<=34.77	Pass
			0	21.81	-0.38	19.28	<=34.77	Pass
		1	0	22.78	-0.38	20.25	<=34.77	Pass
			13	22.81	-0.38	20.28	<=34.77	Pass
			24	22.93	-0.38	20.40	<=34.77	Pass
		12	0	21.83	-0.38	19.30	<=34.77	Pass
			6	21.84	-0.38	19.31	<=34.77	Pass
			13	21.91	-0.38	19.38	<=34.77	Pass
		25	0	21.84	-0.38	19.31	<=34.77	Pass
	713.5	1	0	22.85	-0.38	20.32	<=34.77	Pass
			13	22.86	-0.38	20.33	<=34.77	Pass
			24	22.97	-0.38	20.44	<=34.77	Pass
		12	0	22.00	-0.38	19.47	<=34.77	Pass
			6	21.94	-0.38	19.41	<=34.77	Pass
			13	21.98	-0.38	19.45	<=34.77	Pass
		25	0	22.03	-0.38	19.50	<=34.77	Pass
	701.5	1	0	22.23	-0.38	19.70	<=34.77	Pass
			13	22.28	-0.38	19.75	<=34.77	Pass
			24	22.41	-0.38	19.88	<=34.77	Pass
		12	0	20.77	-0.38	18.24	<=34.77	Pass
			6	20.73	-0.38	18.20	<=34.77	Pass
			13	20.76	-0.38	18.23	<=34.77	Pass
		25	0	20.79	-0.38	18.26	<=34.77	Pass
	707.5	1	0	22.05	-0.38	19.52	<=34.77	Pass
			13	22.14	-0.38	19.61	<=34.77	Pass
			24	22.20	-0.38	19.67	<=34.77	Pass
		12	0	20.83	-0.38	18.30	<=34.77	Pass
			6	20.79	-0.38	18.26	<=34.77	Pass
			13	20.83	-0.38	18.30	<=34.77	Pass
		25	0	20.92	-0.38	18.39	<=34.77	Pass
	713.5	1	0	21.69	-0.38	19.16	<=34.77	Pass
			13	21.67	-0.38	19.14	<=34.77	Pass
			24	21.77	-0.38	19.24	<=34.77	Pass
		12	0	20.95	-0.38	18.42	<=34.77	Pass
			6	20.94	-0.38	18.41	<=34.77	Pass
			13	20.96	-0.38	18.43	<=34.77	Pass
		25	0	21.08	-0.38	18.55	<=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	22.67	-0.38	20.14	<=34.77	Pass
			25	22.85	-0.38	20.32	<=34.77	Pass
			49	22.98	-0.38	20.45	<=34.77	Pass
		25	0	21.70	-0.38	19.17	<=34.77	Pass
			13	21.85	-0.38	19.32	<=34.77	Pass
			25	21.91	-0.38	19.38	<=34.77	Pass
	707.5	50	0	21.81	-0.38	19.28	<=34.77	Pass
		1	0	22.58	-0.38	20.05	<=34.77	Pass
			25	22.75	-0.38	20.22	<=34.77	Pass
			49	22.99	-0.38	20.46	<=34.77	Pass
		25	0	21.86	-0.38	19.33	<=34.77	Pass
			13	21.95	-0.38	19.42	<=34.77	Pass
			25	21.93	-0.38	19.40	<=34.77	Pass
		50	0	21.99	-0.38	19.46	<=34.77	Pass
	711	1	0	22.68	-0.38	20.15	<=34.77	Pass

16QAM	704	25	25	22.80	-0.38	20.27	<=34.77	Pass
			49	23.00	-0.38	20.47	<=34.77	Pass
			0	21.83	-0.38	19.30	<=34.77	Pass
		50	13	21.89	-0.38	19.36	<=34.77	Pass
			25	22.09	-0.38	19.56	<=34.77	Pass
			0	21.87	-0.38	19.34	<=34.77	Pass
		1	0	21.60	-0.38	19.07	<=34.77	Pass
			25	21.73	-0.38	19.20	<=34.77	Pass
			49	21.95	-0.38	19.42	<=34.77	Pass
		25	0	20.84	-0.38	18.31	<=34.77	Pass
			13	20.98	-0.38	18.45	<=34.77	Pass
			25	21.08	-0.38	18.55	<=34.77	Pass
	707.5	50	0	20.75	-0.38	18.22	<=34.77	Pass
			0	22.97	-0.38	20.44	<=34.77	Pass
			25	23.20	-0.38	20.67	<=34.77	Pass
		1	49	23.39	-0.38	20.86	<=34.77	Pass
			0	20.94	-0.38	18.41	<=34.77	Pass
			13	21.06	-0.38	18.53	<=34.77	Pass
		25	25	21.03	-0.38	18.50	<=34.77	Pass
			0	20.99	-0.38	18.46	<=34.77	Pass
		50	0	22.75	-0.38	20.22	<=34.77	Pass
			25	22.78	-0.38	20.25	<=34.77	Pass
			49	22.92	-0.38	20.39	<=34.77	Pass
	711	25	0	20.97	-0.38	18.44	<=34.77	Pass
			13	20.93	-0.38	18.40	<=34.77	Pass
			25	21.07	-0.38	18.54	<=34.77	Pass
		50	0	20.92	-0.38	18.39	<=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	-7.467	-0.0107	-2.5 to 2.5	Pass
					3.85	-37.107	-0.0530	-2.5 to 2.5	Pass
					4.43	-37.150	-0.0531	-2.5 to 2.5	Pass
				-30	3.85	-36.635	-0.0524	-2.5 to 2.5	Pass
				-20	3.85	-37.394	-0.0534	-2.5 to 2.5	Pass
				-10	3.85	-33.660	-0.0481	-2.5 to 2.5	Pass
				0	3.85	-32.372	-0.0463	-2.5 to 2.5	Pass
				10	3.85	-32.744	-0.0468	-2.5 to 2.5	Pass
				30	3.85	-31.343	-0.0448	-2.5 to 2.5	Pass
				40	3.85	-32.630	-0.0466	-2.5 to 2.5	Pass
				50	3.85	-31.486	-0.0450	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	14.176	0.0200	-2.5 to 2.5	Pass
					3.85	-5.450	-0.0077	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-5.965	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-5.393	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-5.765	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-5.350	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-5.450	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-6.337	-0.0090	-2.5 to 2.5	Pass

16QAM	715.3	6	0	40	3.85	-5.922	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-5.279	-0.0075	-2.5 to 2.5	Pass
				20	3.27	15.178	0.0212	-2.5 to 2.5	Pass
					3.85	-9.356	-0.0131	-2.5 to 2.5	Pass
					4.43	-10.643	-0.0149	-2.5 to 2.5	Pass
				-30	3.85	-11.630	-0.0163	-2.5 to 2.5	Pass
				-20	3.85	-11.029	-0.0154	-2.5 to 2.5	Pass
				-10	3.85	-11.115	-0.0155	-2.5 to 2.5	Pass
				0	3.85	-10.614	-0.0148	-2.5 to 2.5	Pass
				10	3.85	-11.687	-0.0163	-2.5 to 2.5	Pass
				30	3.85	-11.187	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-11.129	-0.0156	-2.5 to 2.5	Pass
				50	3.85	-9.241	-0.0129	-2.5 to 2.5	Pass
	699.7	6	0	20	3.27	-30.656	-0.0438	-2.5 to 2.5	Pass
					3.85	-24.648	-0.0352	-2.5 to 2.5	Pass
					4.43	-24.018	-0.0343	-2.5 to 2.5	Pass
				-30	3.85	-25.320	-0.0362	-2.5 to 2.5	Pass
				-20	3.85	-26.193	-0.0374	-2.5 to 2.5	Pass
				-10	3.85	-26.279	-0.0376	-2.5 to 2.5	Pass
				0	3.85	-27.523	-0.0393	-2.5 to 2.5	Pass
				10	3.85	-26.979	-0.0386	-2.5 to 2.5	Pass
				30	3.85	-29.554	-0.0422	-2.5 to 2.5	Pass
				40	3.85	-27.680	-0.0396	-2.5 to 2.5	Pass
				50	3.85	-27.709	-0.0396	-2.5 to 2.5	Pass
		707.5	0	20	3.27	-6.008	-0.0085	-2.5 to 2.5	Pass
					3.85	-2.532	-0.0036	-2.5 to 2.5	Pass
					4.43	-2.503	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-2.990	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-2.589	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-2.217	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-10.271	-0.0144	-2.5 to 2.5	Pass
					3.85	-5.379	-0.0075	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-5.937	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-7.253	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-7.324	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-6.895	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-7.710	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-6.967	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-6.967	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-7.610	-0.0106	-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	-0.772	-0.0011	-2.5 to 2.5	Pass
					3.85	-14.491	-0.0207	-2.5 to 2.5	Pass
					4.43	-45.819	-0.0654	-2.5 to 2.5	Pass
				-30	3.85	-10.400	-0.0148	-2.5 to 2.5	Pass
				-20	3.85	-24.118	-0.0344	-2.5 to 2.5	Pass
				-10	3.85	-35.319	-0.0504	-2.5 to 2.5	Pass
				0	3.85	-43.530	-0.0621	-2.5 to 2.5	Pass
				10	3.85	-2.861	-0.0041	-2.5 to 2.5	Pass

16QAM	707.5	15	0	30	3.85	-7.682	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-12.088	-0.0173	-2.5 to 2.5	Pass
				50	3.85	-15.106	-0.0216	-2.5 to 2.5	Pass
				20	3.27	20.299	0.0287	-2.5 to 2.5	Pass
					3.85	4.978	0.0070	-2.5 to 2.5	Pass
					4.43	3.290	0.0047	-2.5 to 2.5	Pass
				-30	3.85	3.848	0.0054	-2.5 to 2.5	Pass
				-20	3.85	3.133	0.0044	-2.5 to 2.5	Pass
				-10	3.85	2.217	0.0031	-2.5 to 2.5	Pass
				0	3.85	3.176	0.0045	-2.5 to 2.5	Pass
				10	3.85	1.473	0.0021	-2.5 to 2.5	Pass
				30	3.85	1.059	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.616	0.0023	-2.5 to 2.5	Pass
				50	3.85	2.518	0.0036	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	15.149	0.0212	-2.5 to 2.5	Pass
					3.85	-9.270	-0.0130	-2.5 to 2.5	Pass
					4.43	-12.417	-0.0174	-2.5 to 2.5	Pass
				-30	3.85	-15.178	-0.0212	-2.5 to 2.5	Pass
				-20	3.85	-12.574	-0.0176	-2.5 to 2.5	Pass
				-10	3.85	-15.035	-0.0210	-2.5 to 2.5	Pass
				0	3.85	-16.551	-0.0232	-2.5 to 2.5	Pass
				10	3.85	-15.492	-0.0217	-2.5 to 2.5	Pass
				30	3.85	-16.236	-0.0227	-2.5 to 2.5	Pass
				40	3.85	-17.538	-0.0245	-2.5 to 2.5	Pass
				50	3.85	-17.323	-0.0242	-2.5 to 2.5	Pass
	700.5	15	0	20	3.27	-17.037	-0.0243	-2.5 to 2.5	Pass
					3.85	-13.847	-0.0198	-2.5 to 2.5	Pass
					4.43	-14.677	-0.0210	-2.5 to 2.5	Pass
				-30	3.85	-14.892	-0.0213	-2.5 to 2.5	Pass
				-20	3.85	-15.621	-0.0223	-2.5 to 2.5	Pass
				-10	3.85	-14.949	-0.0213	-2.5 to 2.5	Pass
				0	3.85	-15.407	-0.0220	-2.5 to 2.5	Pass
				10	3.85	-16.122	-0.0230	-2.5 to 2.5	Pass
				30	3.85	-16.866	-0.0241	-2.5 to 2.5	Pass
				40	3.85	-16.265	-0.0232	-2.5 to 2.5	Pass
				50	3.85	-15.178	-0.0217	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	2.017	0.0029	-2.5 to 2.5	Pass
					3.85	6.266	0.0089	-2.5 to 2.5	Pass
					4.43	5.765	0.0081	-2.5 to 2.5	Pass
				-30	3.85	6.623	0.0094	-2.5 to 2.5	Pass
				-20	3.85	7.539	0.0107	-2.5 to 2.5	Pass
				-10	3.85	8.698	0.0123	-2.5 to 2.5	Pass
				0	3.85	8.326	0.0118	-2.5 to 2.5	Pass
				10	3.85	8.011	0.0113	-2.5 to 2.5	Pass
				30	3.85	8.168	0.0115	-2.5 to 2.5	Pass
				40	3.85	9.041	0.0128	-2.5 to 2.5	Pass
				50	3.85	9.813	0.0139	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-17.653	-0.0247	-2.5 to 2.5	Pass
					3.85	-12.860	-0.0180	-2.5 to 2.5	Pass
					4.43	-13.175	-0.0184	-2.5 to 2.5	Pass
				-30	3.85	-13.103	-0.0183	-2.5 to 2.5	Pass
				-20	3.85	-12.660	-0.0177	-2.5 to 2.5	Pass
				-10	3.85	-13.447	-0.0188	-2.5 to 2.5	Pass
				0	3.85	-13.890	-0.0194	-2.5 to 2.5	Pass
				10	3.85	-13.533	-0.0189	-2.5 to 2.5	Pass
				30	3.85	-14.234	-0.0199	-2.5 to 2.5	Pass
				40	3.85	-14.033	-0.0196	-2.5 to 2.5	Pass
				50	3.85	-15.092	-0.0211	-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	-5.608	-0.0080	-2.5 to 2.5	Pass
					3.85	-22.330	-0.0318	-2.5 to 2.5	Pass
					4.43	-22.073	-0.0315	-2.5 to 2.5	Pass
				-30	3.85	-6.037	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-25.134	-0.0358	-2.5 to 2.5	Pass
				-10	3.85	-40.755	-0.0581	-2.5 to 2.5	Pass
				0	3.85	1.602	0.0023	-2.5 to 2.5	Pass
				10	3.85	-6.495	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-16.308	-0.0232	-2.5 to 2.5	Pass
				40	3.85	-24.047	-0.0343	-2.5 to 2.5	Pass
				50	3.85	-31.171	-0.0444	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	15.335	0.0217	-2.5 to 2.5	Pass
					3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.316	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.449	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-4.334	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-3.905	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-5.021	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-6.380	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-6.065	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-6.294	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-6.537	-0.0092	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	16.508	0.0231	-2.5 to 2.5	Pass
					3.85	-8.011	-0.0112	-2.5 to 2.5	Pass
					4.43	-12.360	-0.0173	-2.5 to 2.5	Pass
				-30	3.85	-13.275	-0.0186	-2.5 to 2.5	Pass
				-20	3.85	-15.521	-0.0218	-2.5 to 2.5	Pass
				-10	3.85	-18.010	-0.0252	-2.5 to 2.5	Pass
				0	3.85	-17.939	-0.0251	-2.5 to 2.5	Pass
				10	3.85	-17.581	-0.0246	-2.5 to 2.5	Pass
				30	3.85	-19.226	-0.0269	-2.5 to 2.5	Pass
				40	3.85	-19.326	-0.0271	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-35.720	-0.0509	-2.5 to 2.5	Pass
					3.85	-31.815	-0.0454	-2.5 to 2.5	Pass
					4.43	-32.001	-0.0456	-2.5 to 2.5	Pass
				-30	3.85	-33.903	-0.0483	-2.5 to 2.5	Pass
				-20	3.85	-35.605	-0.0508	-2.5 to 2.5	Pass
				-10	3.85	-35.462	-0.0506	-2.5 to 2.5	Pass
				0	3.85	-35.992	-0.0513	-2.5 to 2.5	Pass
				10	3.85	-37.136	-0.0529	-2.5 to 2.5	Pass
				30	3.85	-40.226	-0.0573	-2.5 to 2.5	Pass
				40	3.85	-38.953	-0.0555	-2.5 to 2.5	Pass
				50	3.85	-39.654	-0.0565	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.552	-0.0093	-2.5 to 2.5	Pass
					3.85	-3.290	-0.0047	-2.5 to 2.5	Pass
					4.43	-2.031	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-2.446	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-1.516	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-1.602	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				30	3.85	0.772	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.602	0.0023	-2.5 to 2.5	Pass
				50	3.85	0.973	0.0014	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-20.728	-0.0291	-2.5 to 2.5	Pass
					3.85	-15.421	-0.0216	-2.5 to 2.5	Pass

					4.43	-16.665	-0.0234	-2.5 to 2.5	Pass
				-30	3.85	-16.823	-0.0236	-2.5 to 2.5	Pass
				-20	3.85	-18.196	-0.0255	-2.5 to 2.5	Pass
				-10	3.85	-17.967	-0.0252	-2.5 to 2.5	Pass
				0	3.85	-16.809	-0.0236	-2.5 to 2.5	Pass
				10	3.85	-17.209	-0.0241	-2.5 to 2.5	Pass
				30	3.85	-17.309	-0.0243	-2.5 to 2.5	Pass
				40	3.85	-17.710	-0.0248	-2.5 to 2.5	Pass
				50	3.85	-18.225	-0.0255	-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	-2.646	-0.0038	-2.5 to 2.5	Pass
					3.85	-2.518	-0.0036	-2.5 to 2.5	Pass
					4.43	-26.565	-0.0377	-2.5 to 2.5	Pass
				-30	3.85	-40.927	-0.0581	-2.5 to 2.5	Pass
				-20	3.85	-36.678	-0.0521	-2.5 to 2.5	Pass
				-10	3.85	-11.373	-0.0162	-2.5 to 2.5	Pass
				0	3.85	-16.880	-0.0240	-2.5 to 2.5	Pass
				10	3.85	-21.157	-0.0301	-2.5 to 2.5	Pass
				30	3.85	-22.931	-0.0326	-2.5 to 2.5	Pass
				40	3.85	-26.965	-0.0383	-2.5 to 2.5	Pass
				50	3.85	-28.467	-0.0404	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	18.082	0.0256	-2.5 to 2.5	Pass
					3.85	-1.860	-0.0026	-2.5 to 2.5	Pass
					4.43	-5.836	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-7.882	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-8.955	-0.0127	-2.5 to 2.5	Pass
				-10	3.85	-10.400	-0.0147	-2.5 to 2.5	Pass
				0	3.85	-11.773	-0.0166	-2.5 to 2.5	Pass
				10	3.85	-11.959	-0.0169	-2.5 to 2.5	Pass
				30	3.85	-12.860	-0.0182	-2.5 to 2.5	Pass
				40	3.85	-11.730	-0.0166	-2.5 to 2.5	Pass
				50	3.85	-13.161	-0.0186	-2.5 to 2.5	Pass
	711	50	0	20	3.27	17.295	0.0243	-2.5 to 2.5	Pass
					3.85	-5.307	-0.0075	-2.5 to 2.5	Pass
					4.43	-8.340	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-10.185	-0.0143	-2.5 to 2.5	Pass
				-20	3.85	-9.327	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-10.028	-0.0141	-2.5 to 2.5	Pass
				0	3.85	-11.702	-0.0165	-2.5 to 2.5	Pass
				10	3.85	-10.171	-0.0143	-2.5 to 2.5	Pass
				30	3.85	-10.929	-0.0154	-2.5 to 2.5	Pass
				40	3.85	-10.757	-0.0151	-2.5 to 2.5	Pass
				50	3.85	-10.729	-0.0151	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-29.941	-0.0425	-2.5 to 2.5	Pass
					3.85	-25.477	-0.0362	-2.5 to 2.5	Pass
					4.43	-25.406	-0.0361	-2.5 to 2.5	Pass
				-30	3.85	-24.834	-0.0353	-2.5 to 2.5	Pass
				-20	3.85	-23.918	-0.0340	-2.5 to 2.5	Pass
				-10	3.85	-23.060	-0.0328	-2.5 to 2.5	Pass
				0	3.85	-25.778	-0.0366	-2.5 to 2.5	Pass
				10	3.85	-24.290	-0.0345	-2.5 to 2.5	Pass
				30	3.85	-25.678	-0.0365	-2.5 to 2.5	Pass
				40	3.85	-23.961	-0.0340	-2.5 to 2.5	Pass
				50	3.85	-23.389	-0.0332	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-14.048	-0.0199	-2.5 to 2.5	Pass

					3.85	-9.699	-0.0137	-2.5 to 2.5	Pass
					4.43	-9.999	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	-8.898	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-9.155	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-7.896	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-7.339	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-6.723	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-5.465	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-6.838	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-6.938	-0.0098	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-10.672	-0.0150	-2.5 to 2.5	Pass
					3.85	-6.409	-0.0090	-2.5 to 2.5	Pass
					4.43	-7.982	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-7.653	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-7.524	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-7.195	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-7.896	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-7.339	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-6.881	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-8.426	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-8.698	-0.0122	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B12_1.4MHz

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

3.1.2 B12_3MHz

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

3.1.3 B12_5MHz

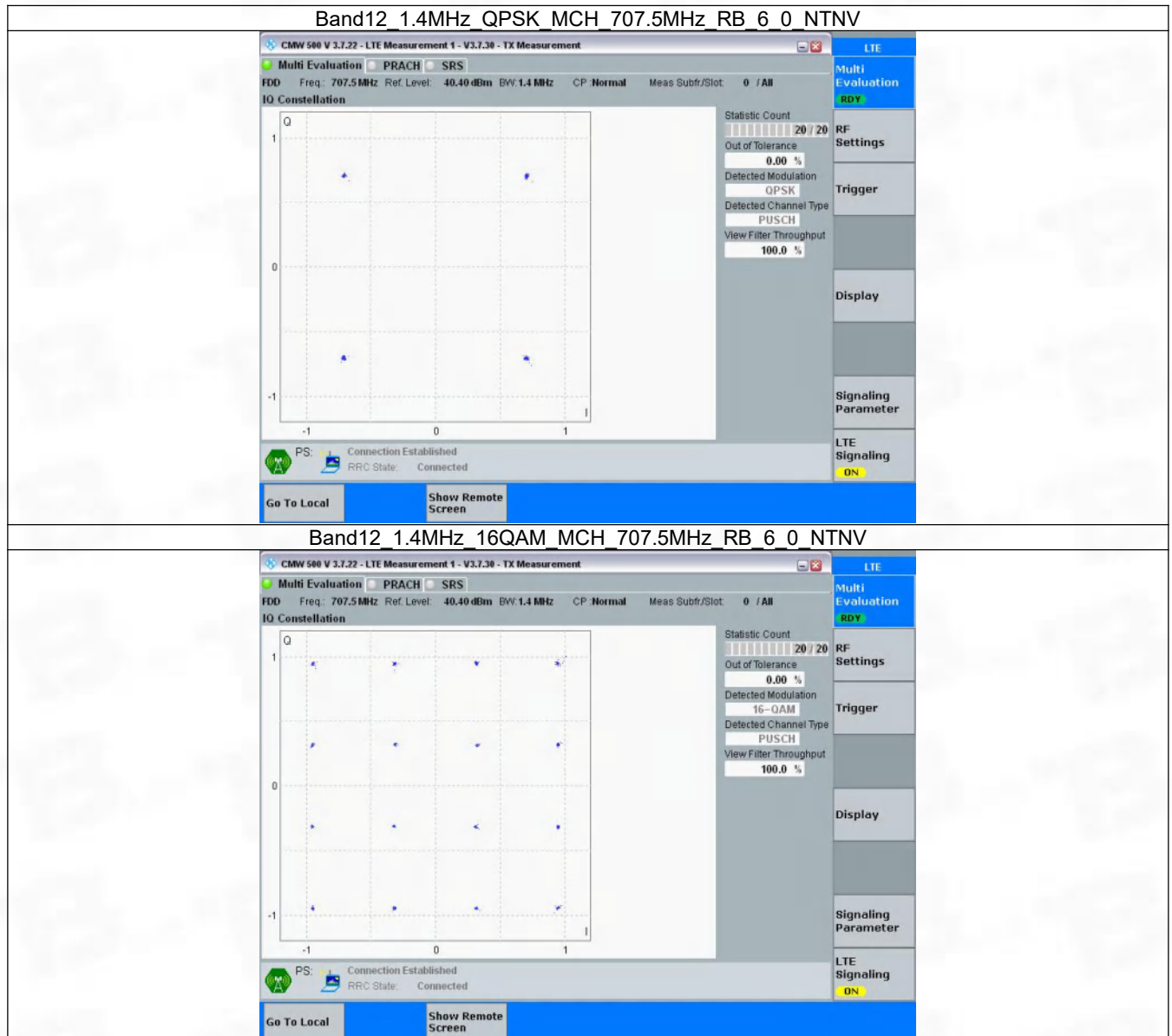
Band: 12 / Bandwidth: 5MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	707.5	25	0	Refer To Test Graph	
16QAM	707.5	25	0	Refer To Test Graph	
					Verdict
					Pass

3.1.4 B12_10MHz

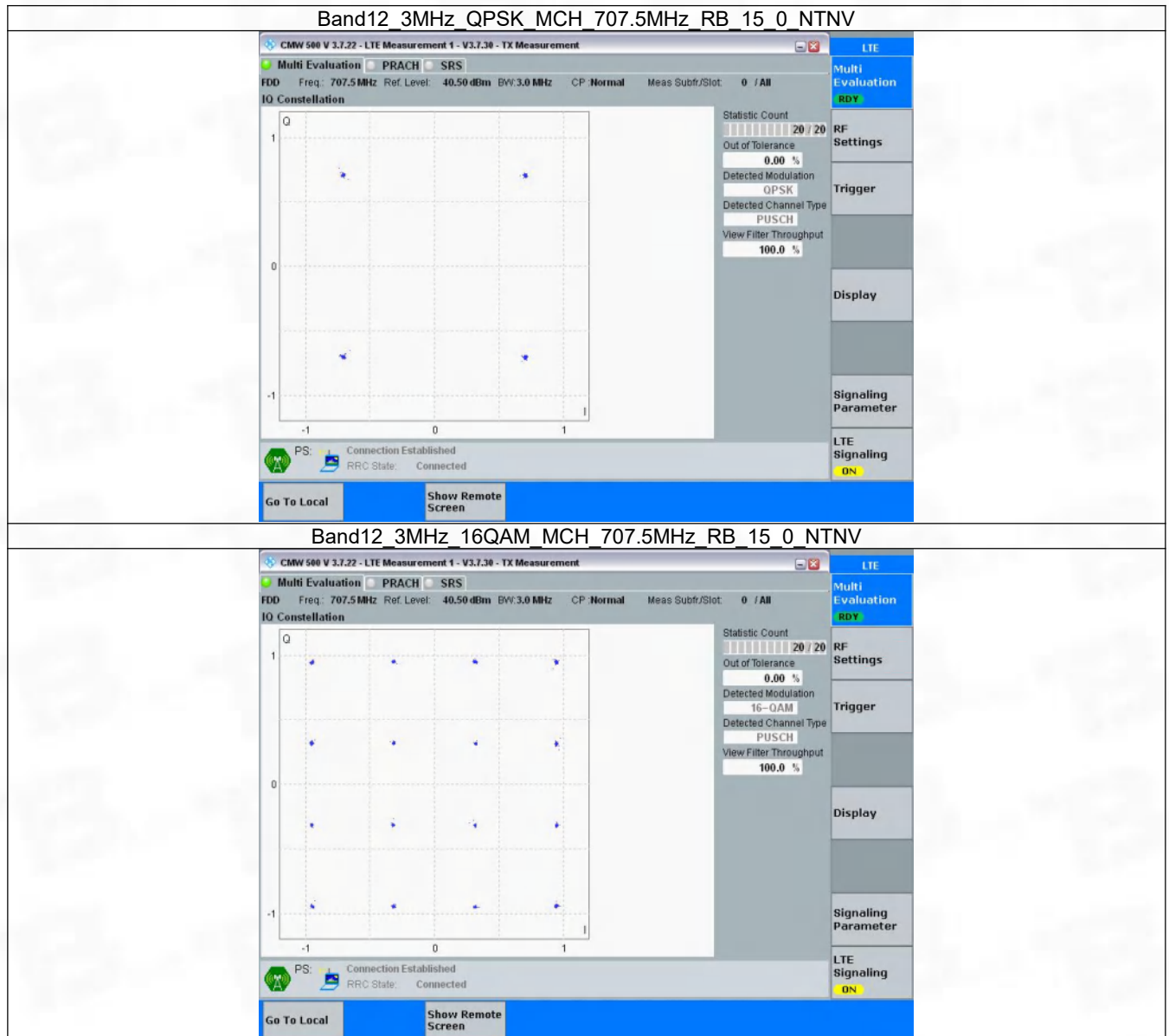
Band: 12 / Bandwidth: 10MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	707.5	50	0	Refer To Test Graph	
16QAM	707.5	50	0	Refer To Test Graph	
					Verdict
					Pass

3.2 Test Graph

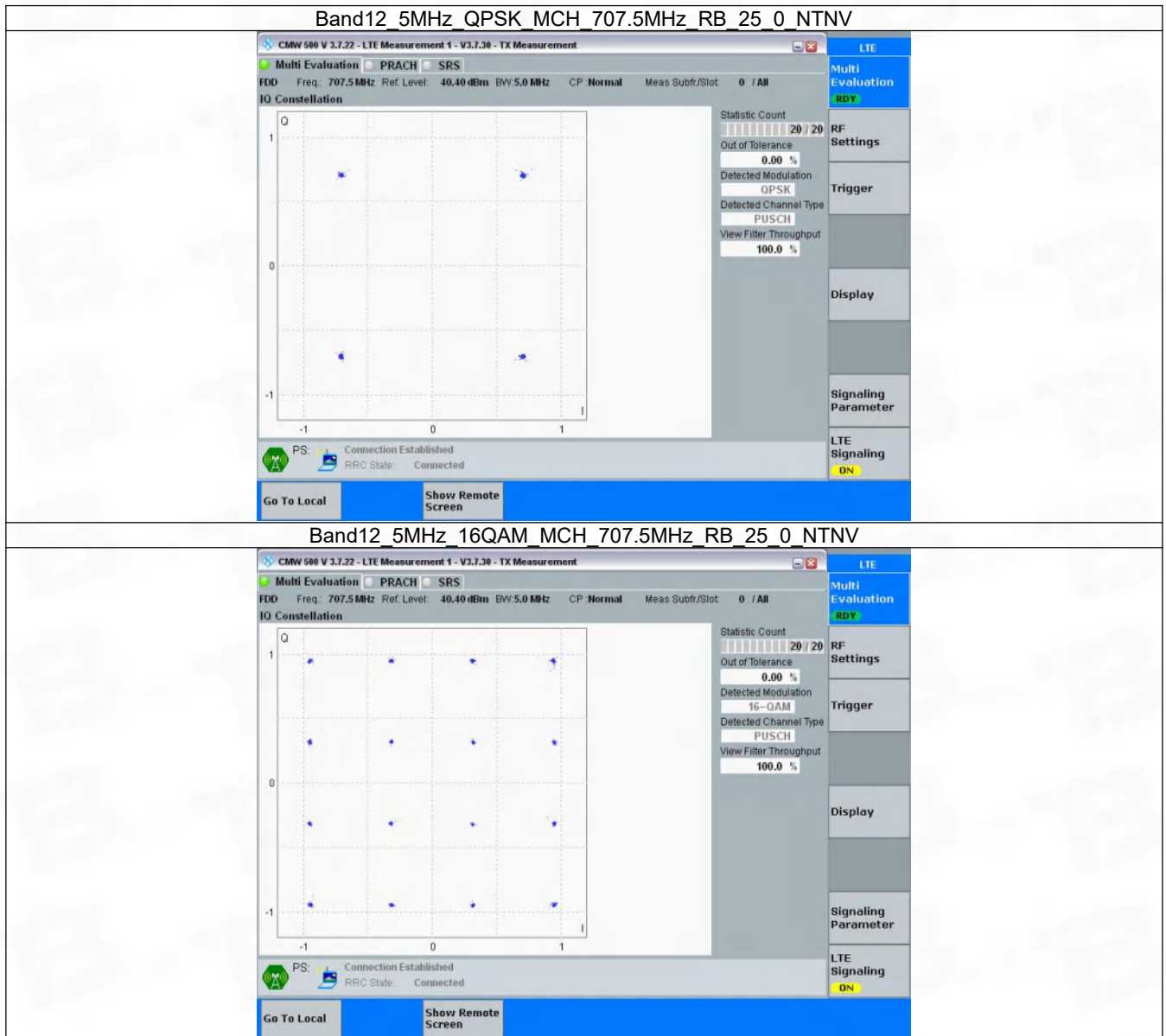
3.2.1 B12_1.4MHz



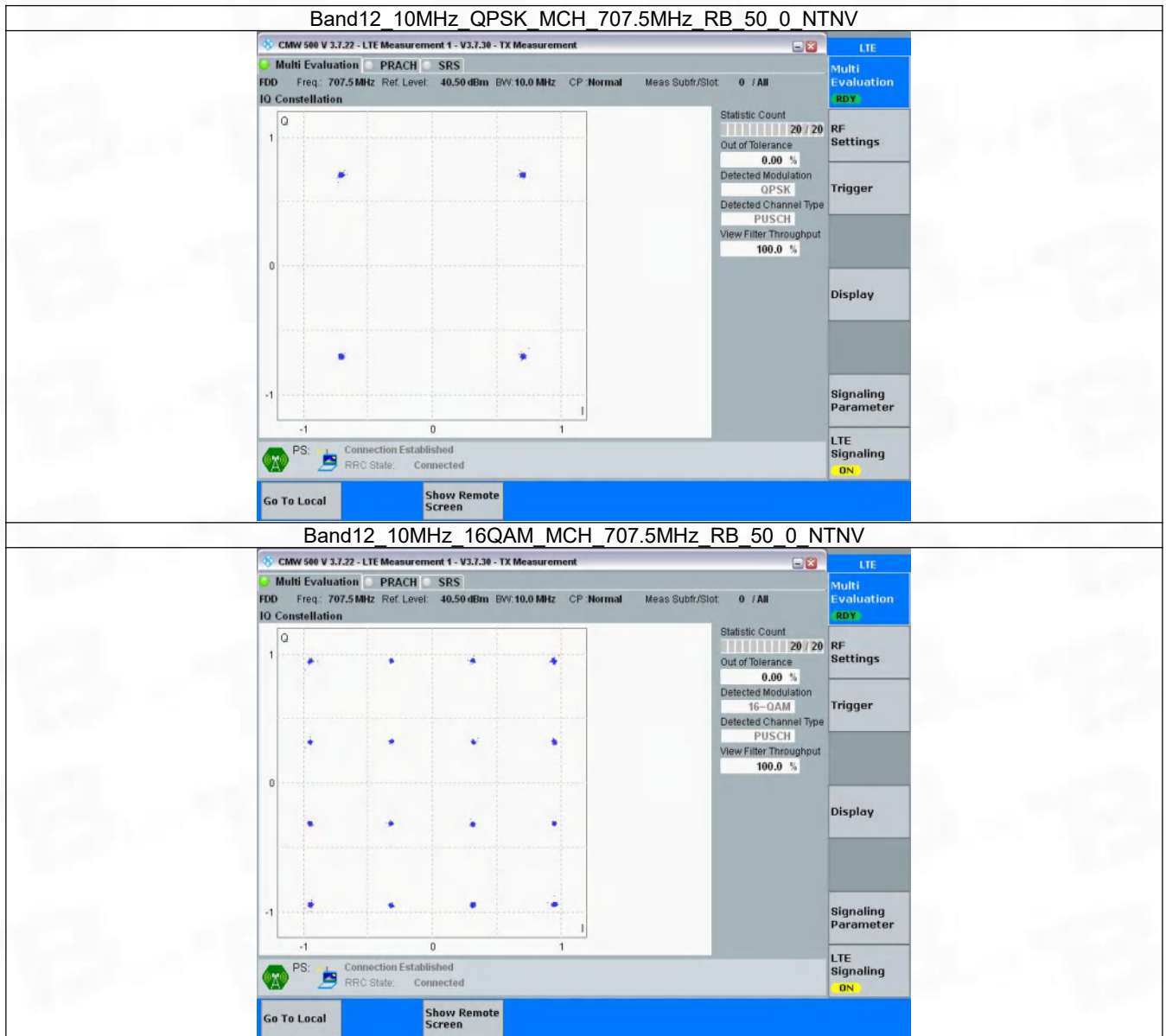
3.2.2 B12_3MHz



3.2.3 B12_5MHz



3.2.4 B12_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.109	/	Pass
		707.5	6	0	1.110	/	Pass
		715.3	6	0	1.106	/	Pass
	16QAM	699.7	6	0	1.109	/	Pass
		707.5	6	0	1.107	/	Pass
		715.3	6	0	1.114	/	Pass
3	QPSK	700.5	15	0	2.757	/	Pass
		707.5	15	0	2.750	/	Pass
		714.5	15	0	2.758	/	Pass
	16QAM	700.5	15	0	2.766	/	Pass
		707.5	15	0	2.741	/	Pass
		714.5	15	0	2.755	/	Pass
5	QPSK	701.5	25	0	4.535	/	Pass
		707.5	25	0	4.541	/	Pass
		713.5	25	0	4.561	/	Pass
	16QAM	701.5	25	0	4.568	/	Pass
		707.5	25	0	4.560	/	Pass
		713.5	25	0	4.542	/	Pass
10	QPSK	704	50	0	9.085	/	Pass
		707.5	50	0	9.024	/	Pass
		711	50	0	9.068	/	Pass
	16QAM	704	50	0	9.031	/	Pass
		707.5	50	0	9.055	/	Pass
		711	50	0	9.090	/	Pass

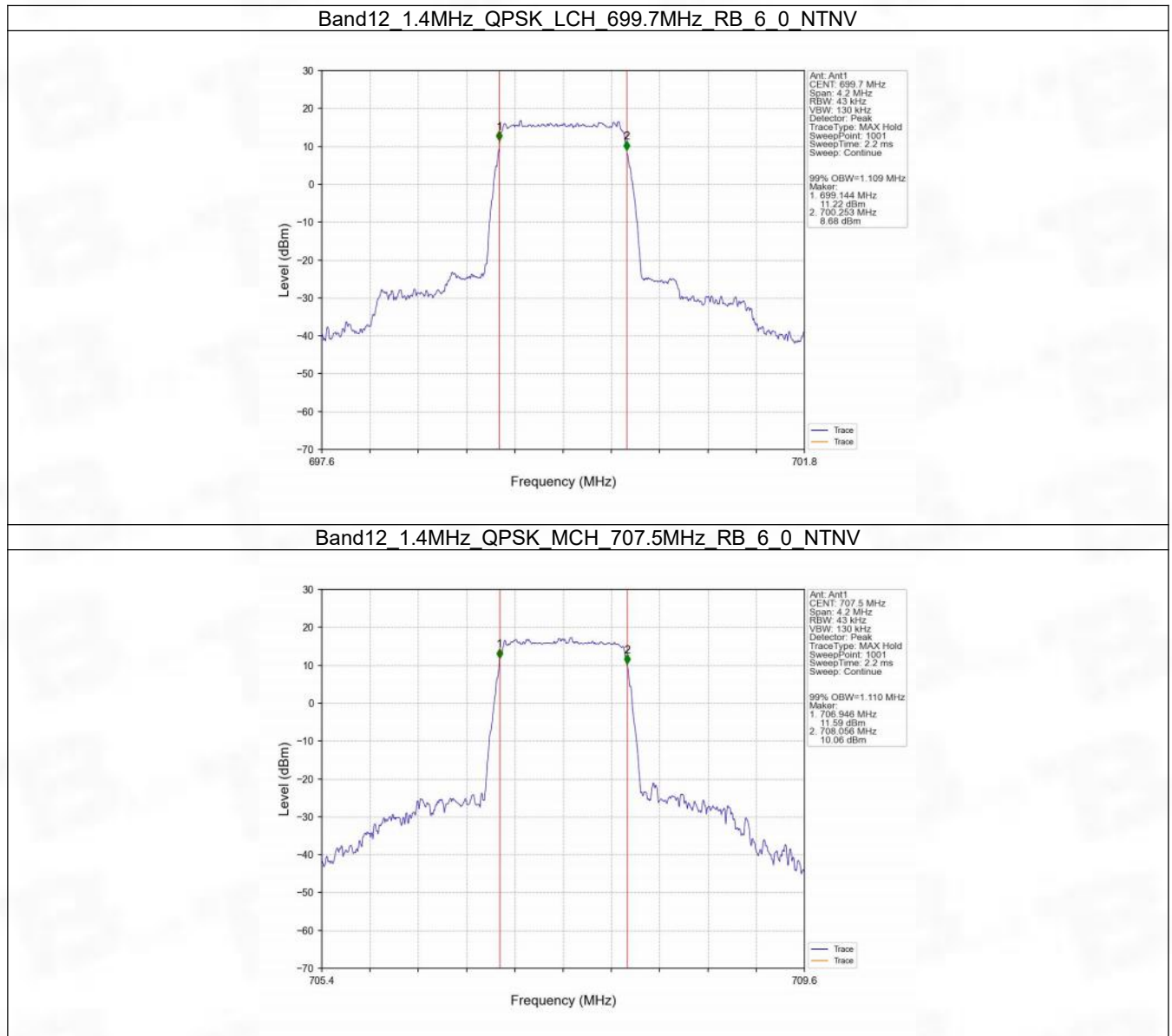
4.1.2 Band12_XDB

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.276	/	Pass
		707.5	6	0	1.273	/	Pass
		715.3	6	0	1.269	/	Pass
	16QAM	699.7	6	0	1.276	/	Pass
		707.5	6	0	1.266	/	Pass
		715.3	6	0	1.281	/	Pass
3	QPSK	700.5	15	0	3.089	/	Pass
		707.5	15	0	3.101	/	Pass
		714.5	15	0	3.088	/	Pass
	16QAM	700.5	15	0	3.103	/	Pass
		707.5	15	0	3.101	/	Pass
		714.5	15	0	3.100	/	Pass
5	QPSK	701.5	25	0	5.066	/	Pass
		707.5	25	0	5.079	/	Pass
		713.5	25	0	5.056	/	Pass
	16QAM	701.5	25	0	5.084	/	Pass
		707.5	25	0	5.069	/	Pass
		713.5	25	0	5.068	/	Pass

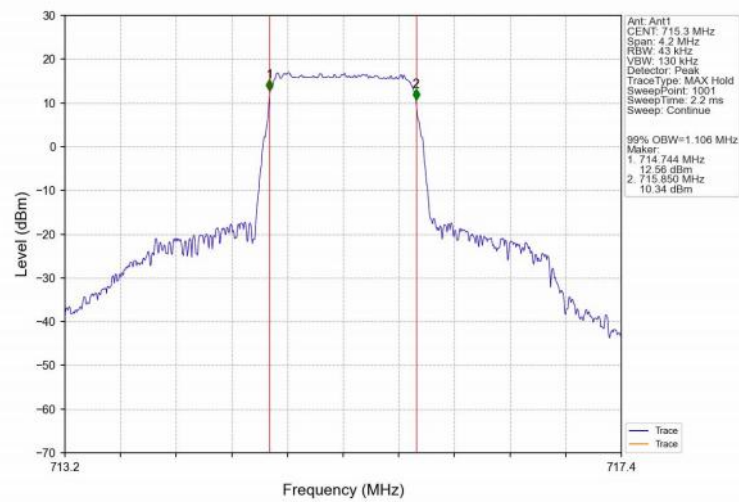
10	QPSK	704	50	0	10.035	/	Pass
		707.5	50	0	9.985	/	Pass
		711	50	0	10.033	/	Pass
	16QAM	704	50	0	10.090	/	Pass
		707.5	50	0	10.098	/	Pass
		711	50	0	10.062	/	Pass

4.2 Test Graph

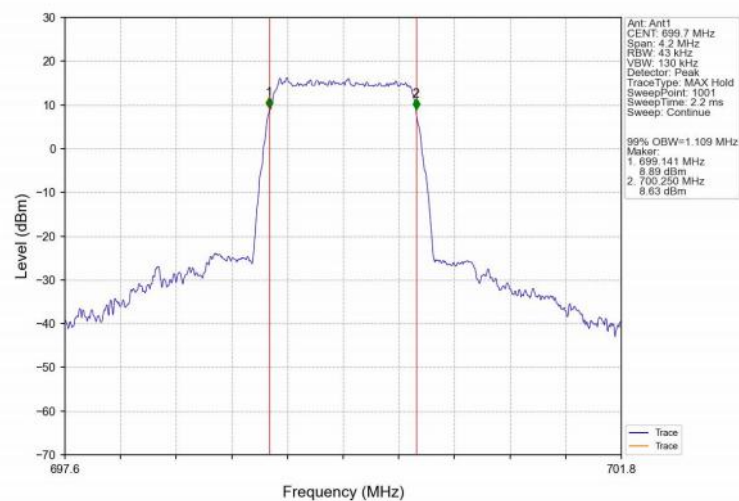
4.2.1 Band12_OBW



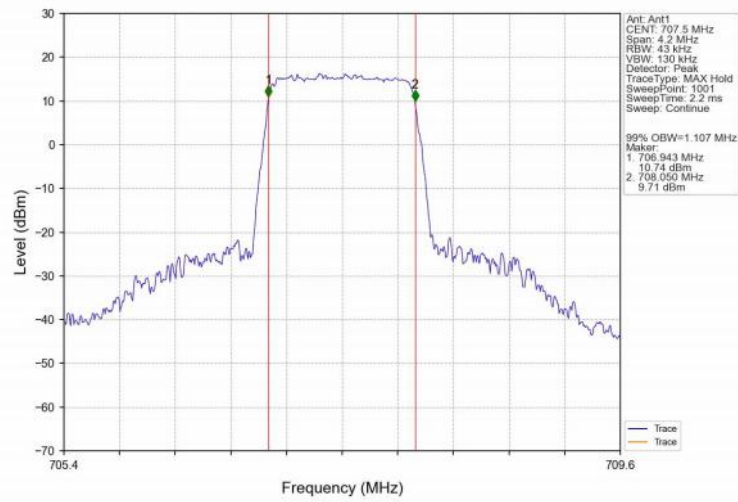
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



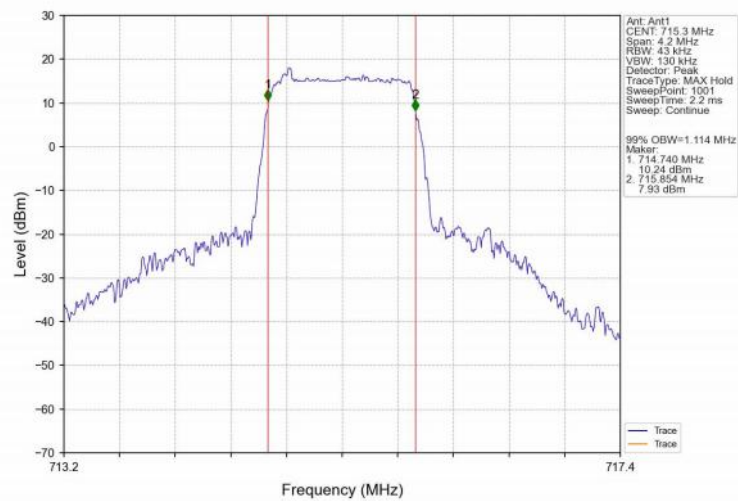
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



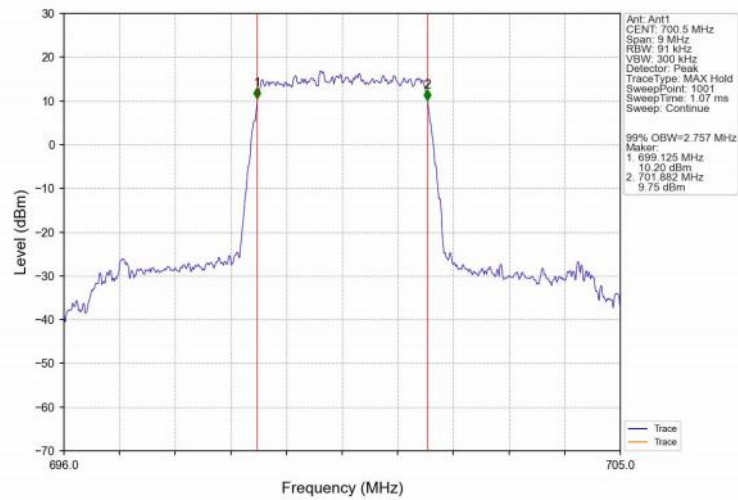
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



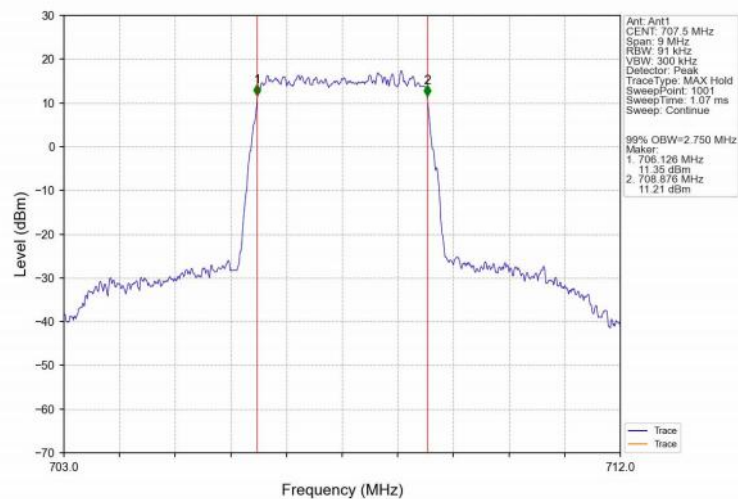
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



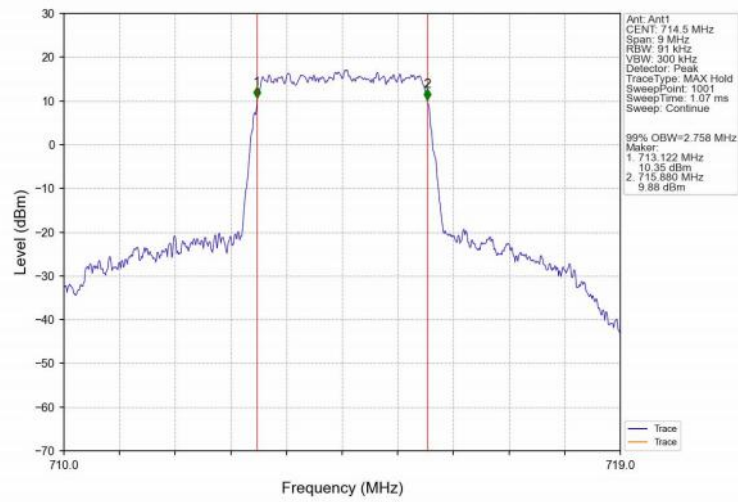
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



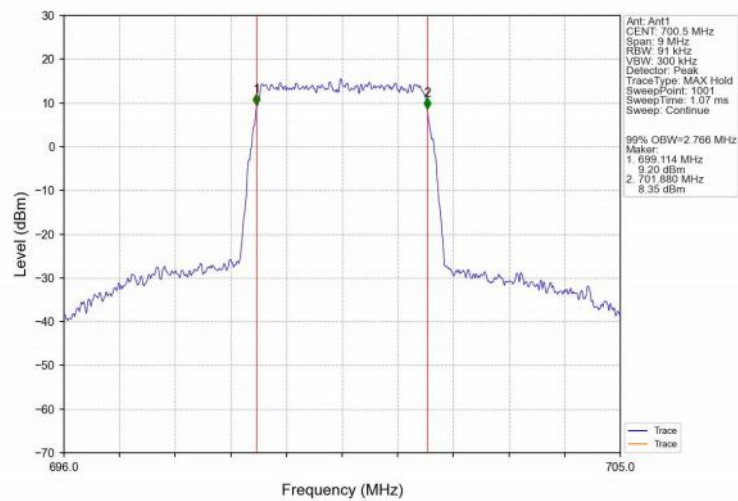
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



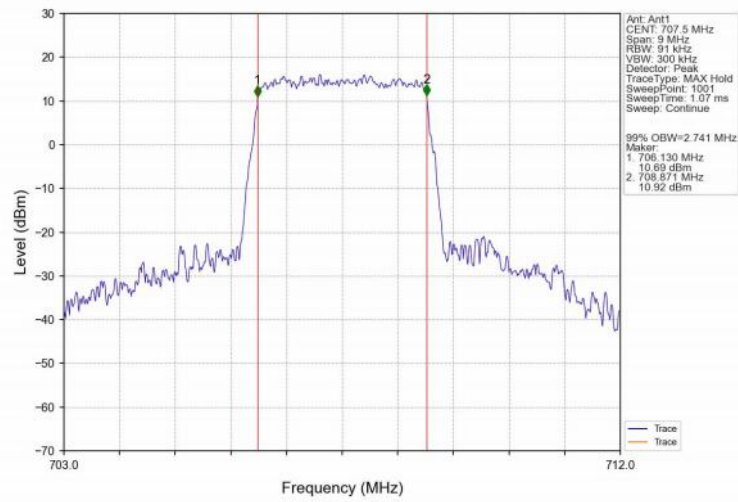
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



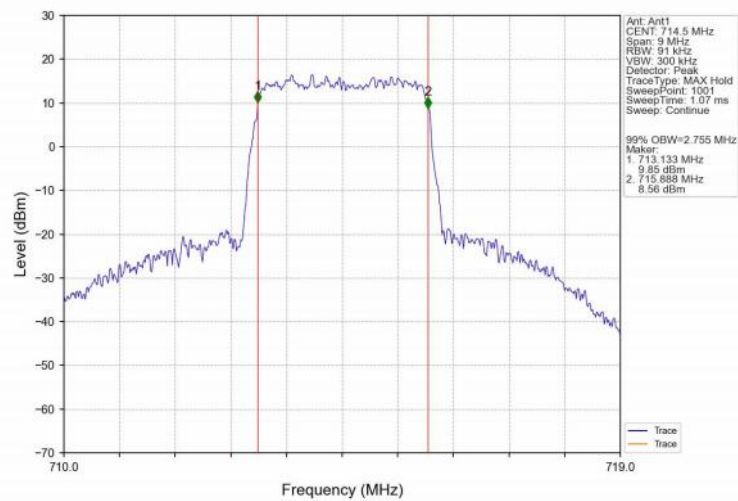
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



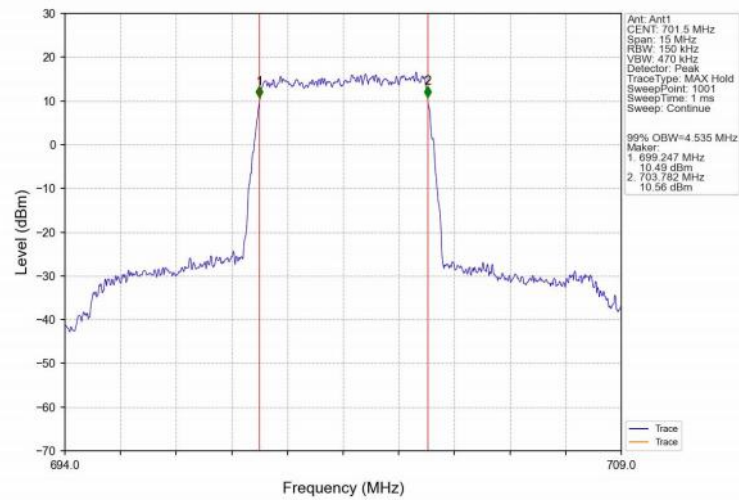
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



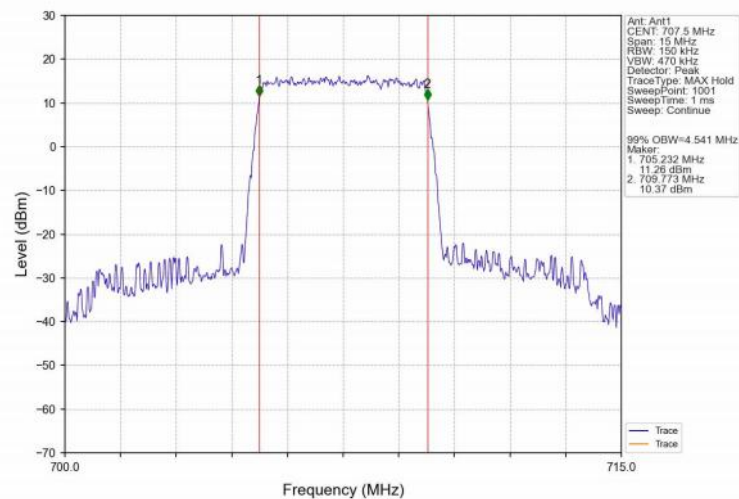
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



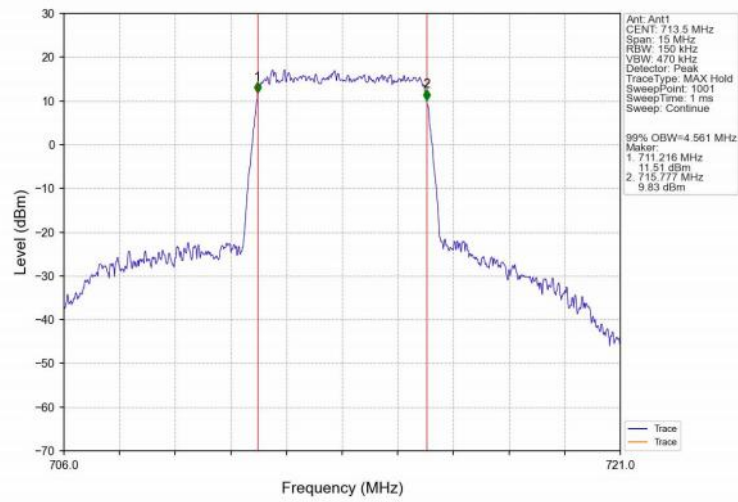
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



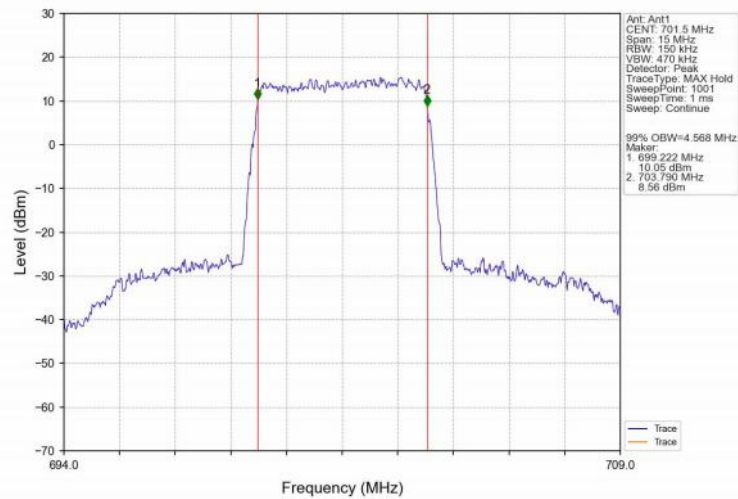
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



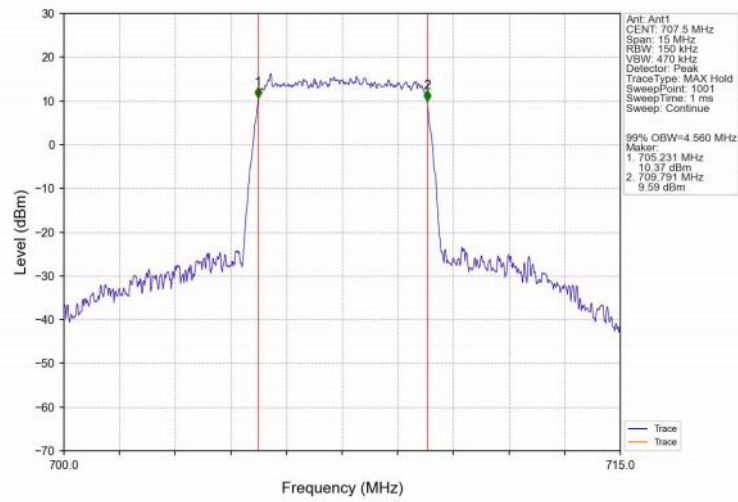
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



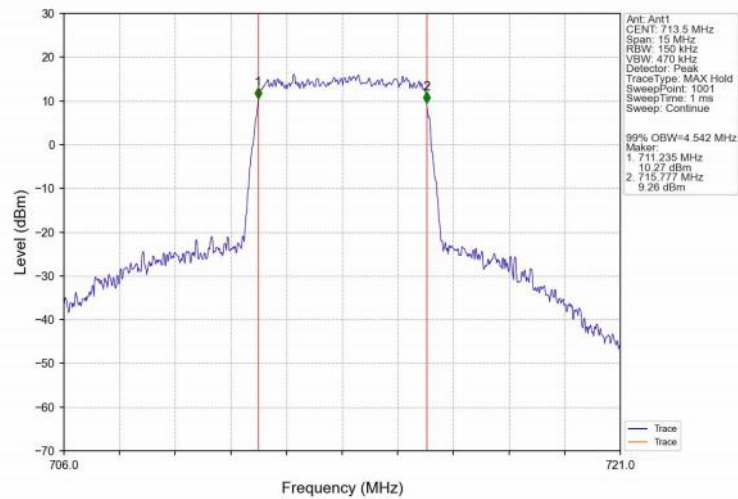
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



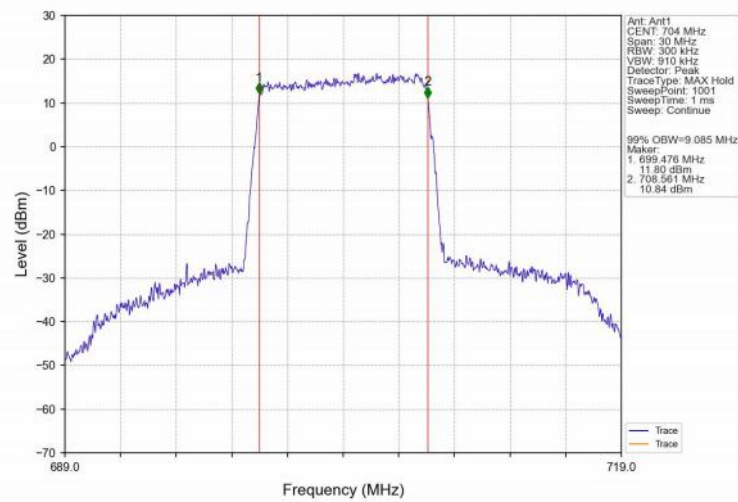
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



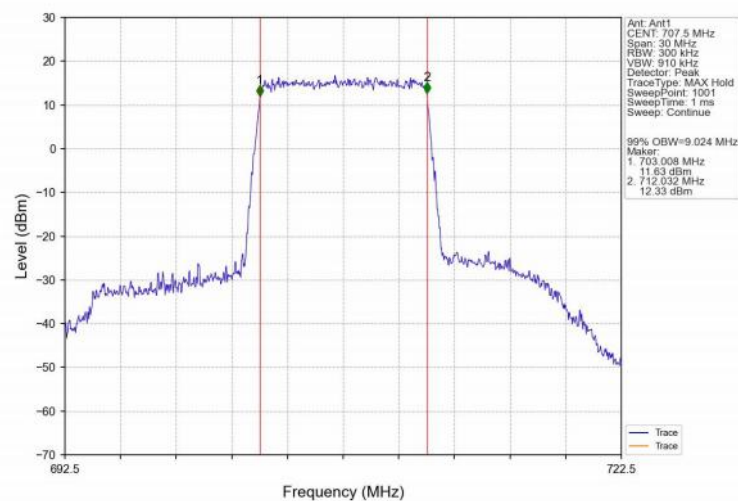
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



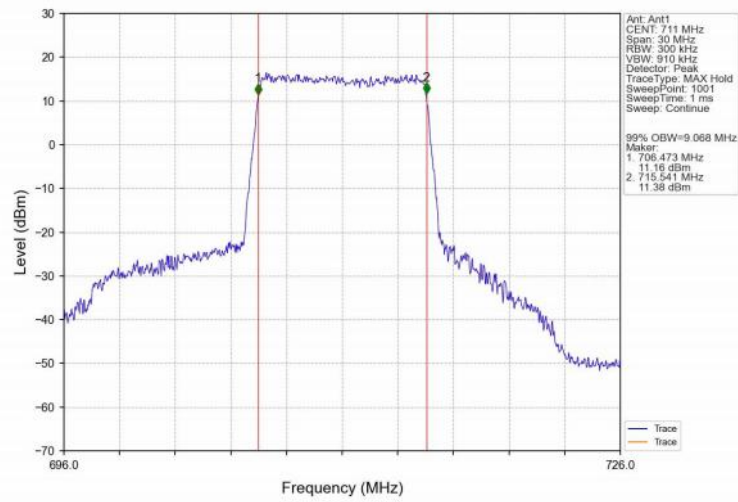
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



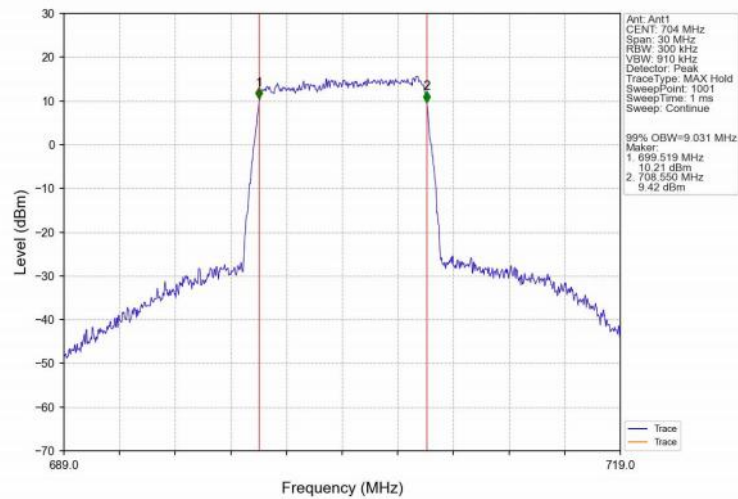
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



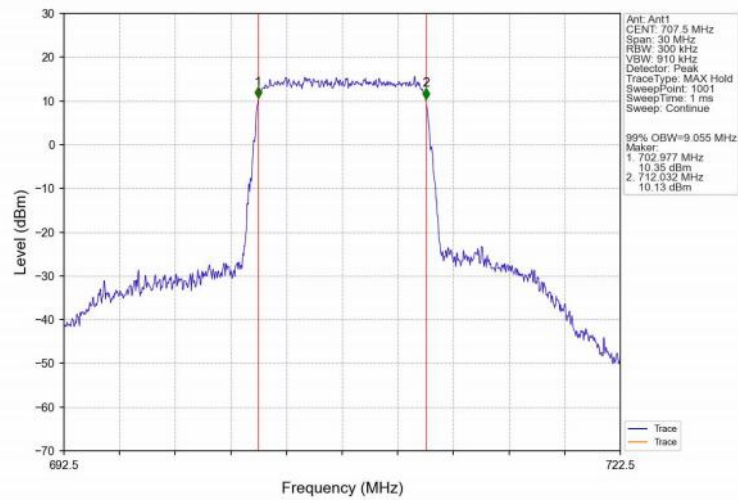
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



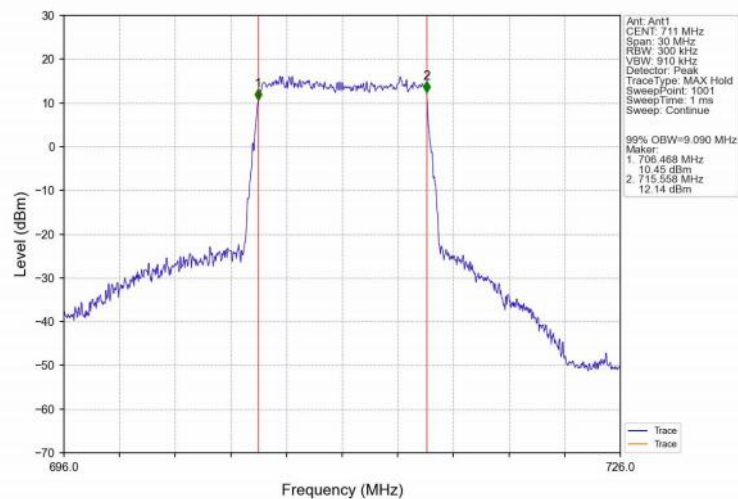
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

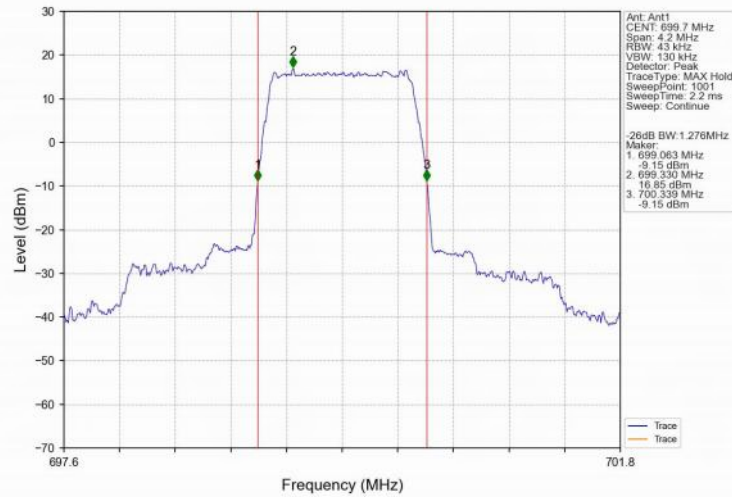


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

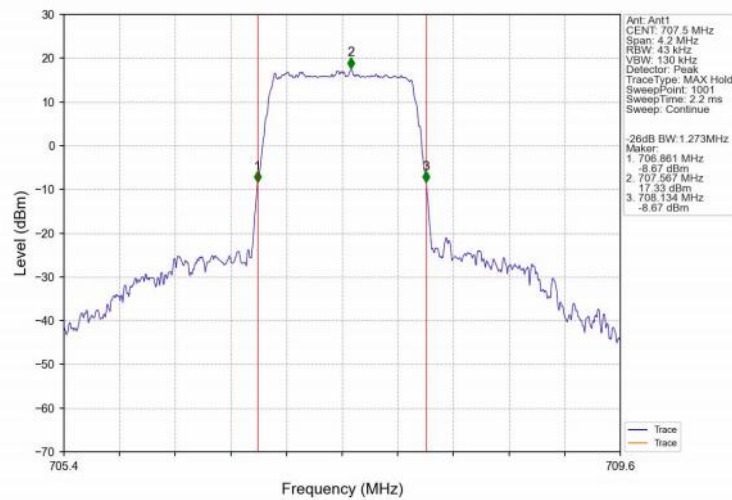


4.2.2 Band12_XDB

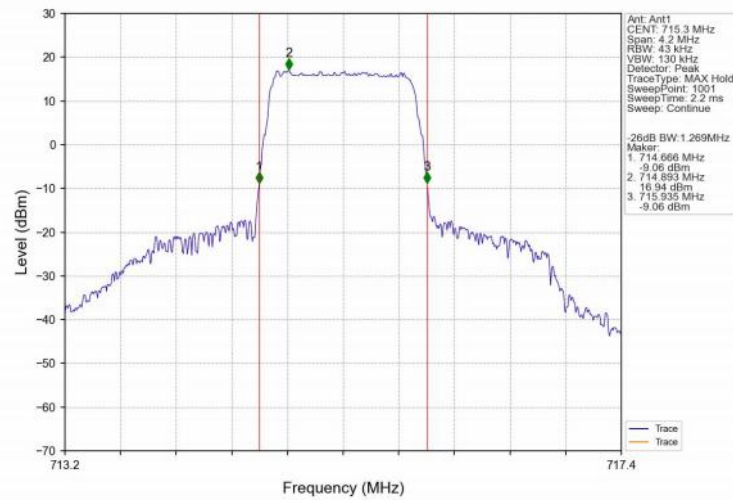
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



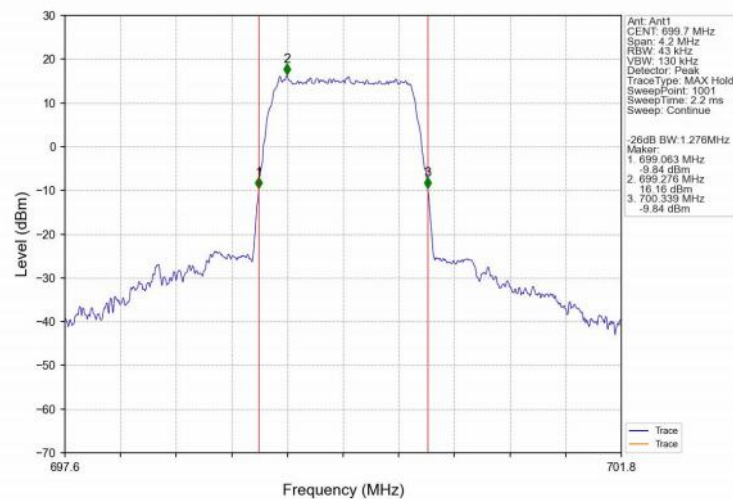
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



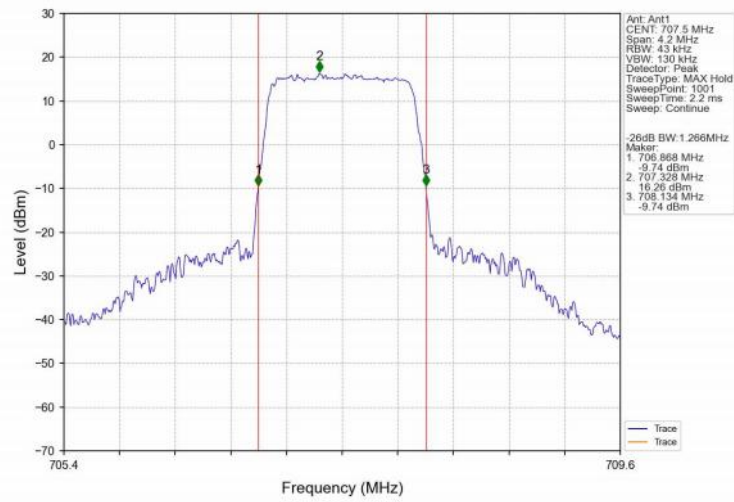
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



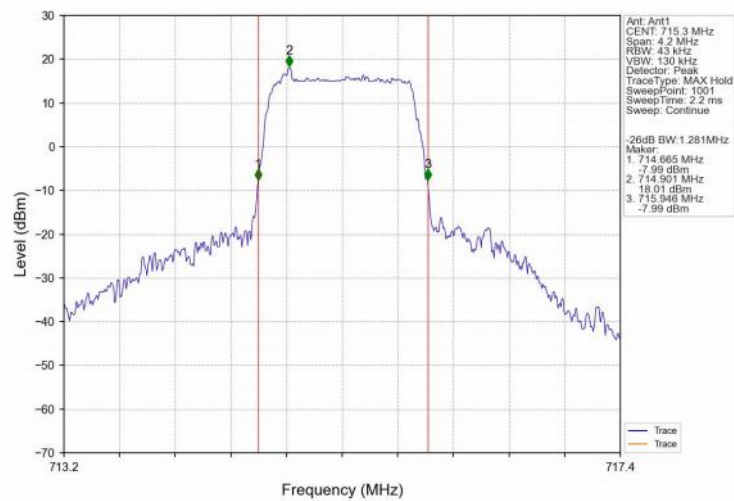
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



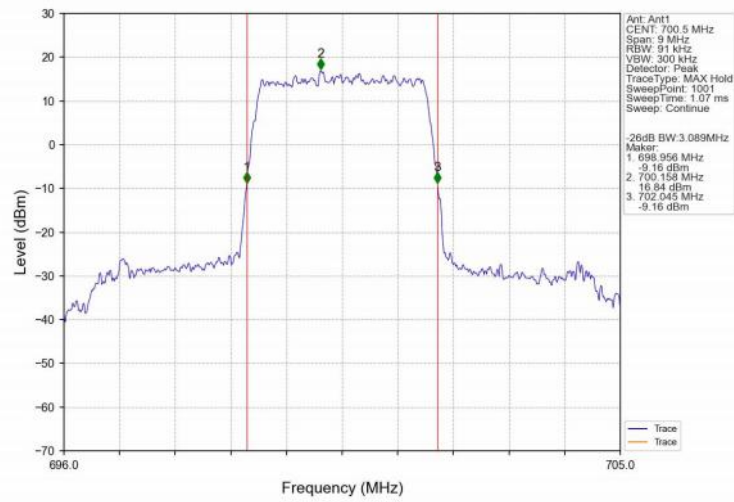
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



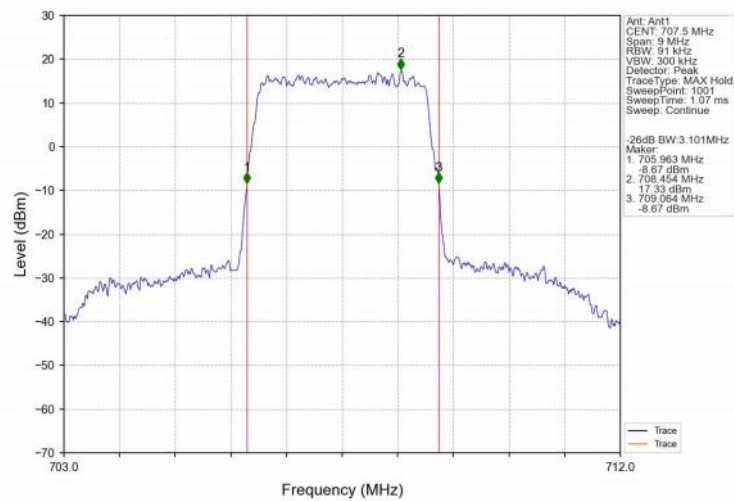
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



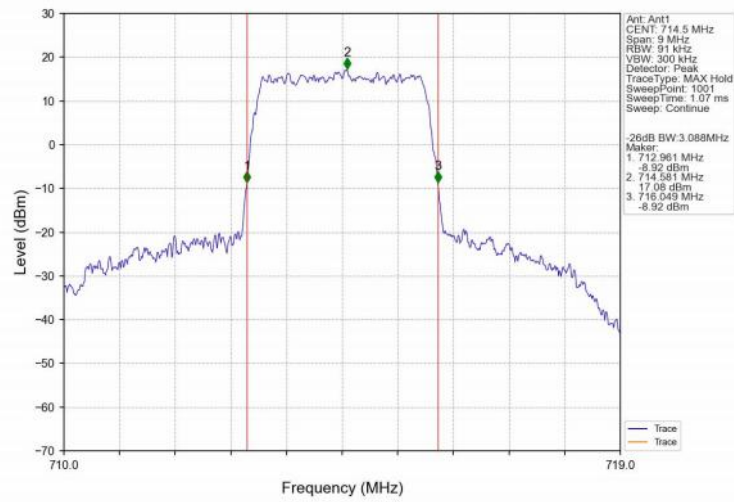
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



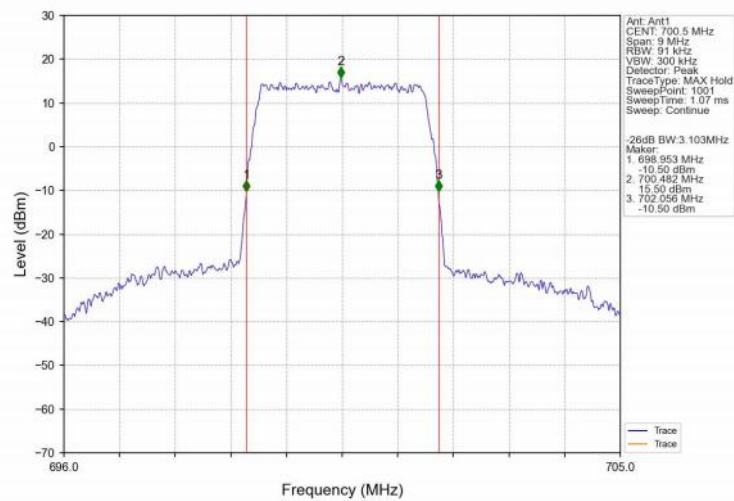
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



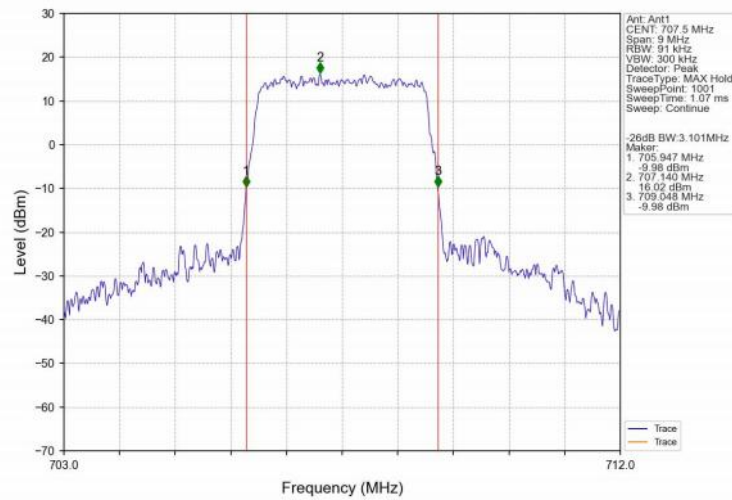
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



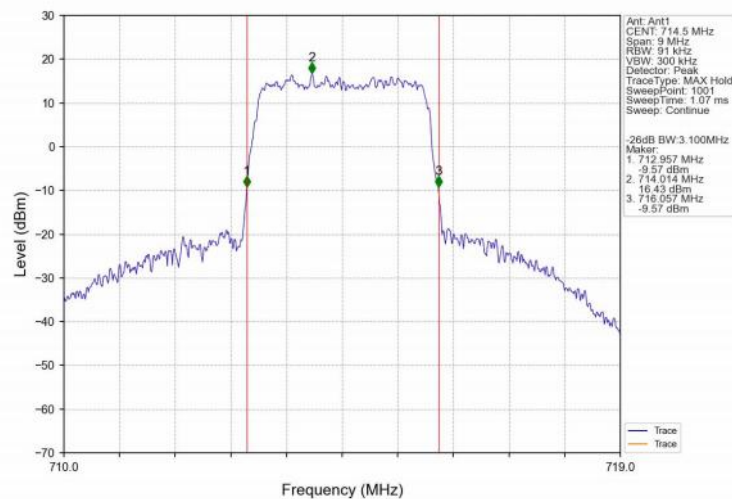
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



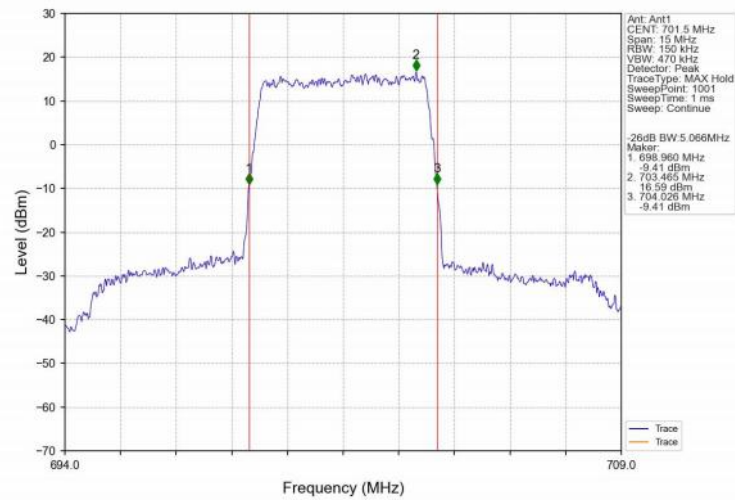
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



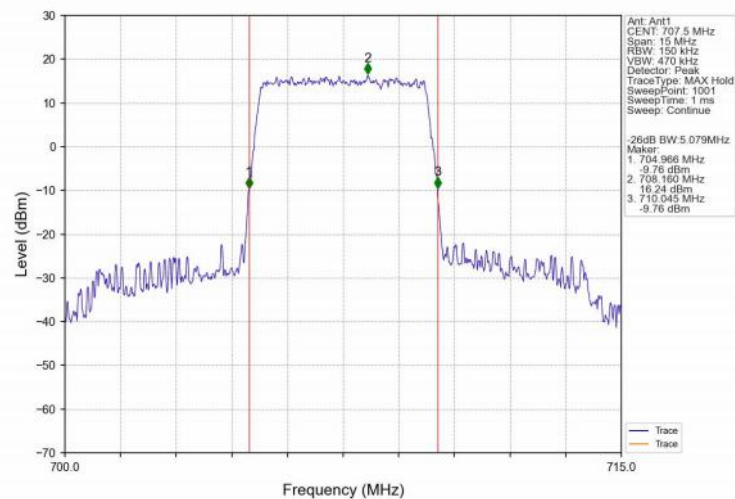
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



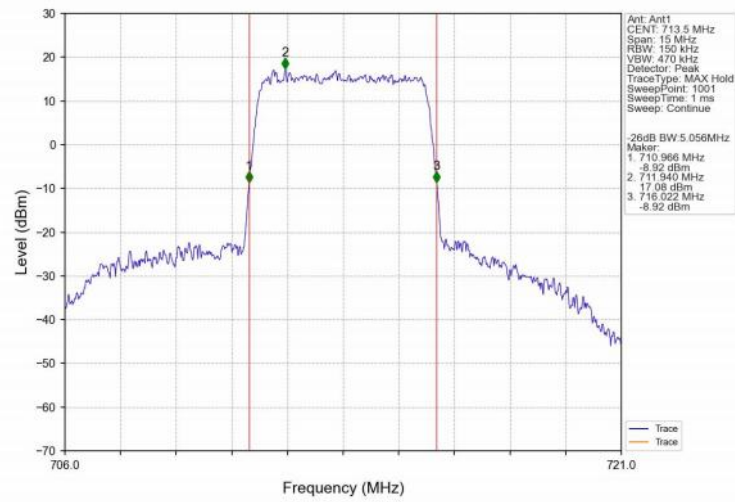
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



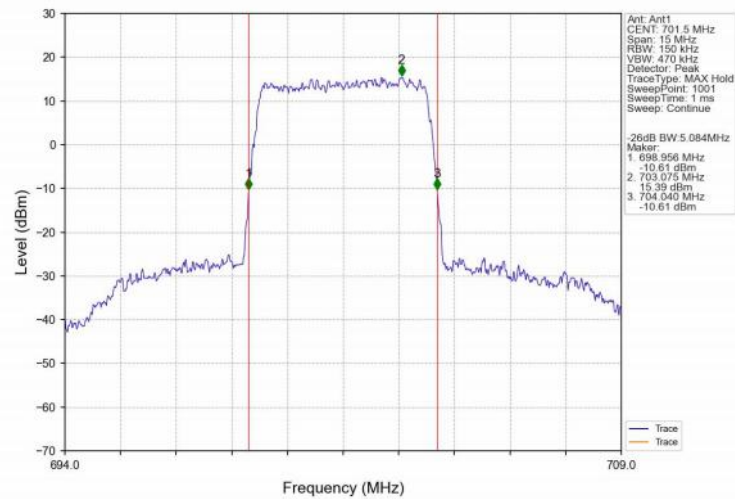
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



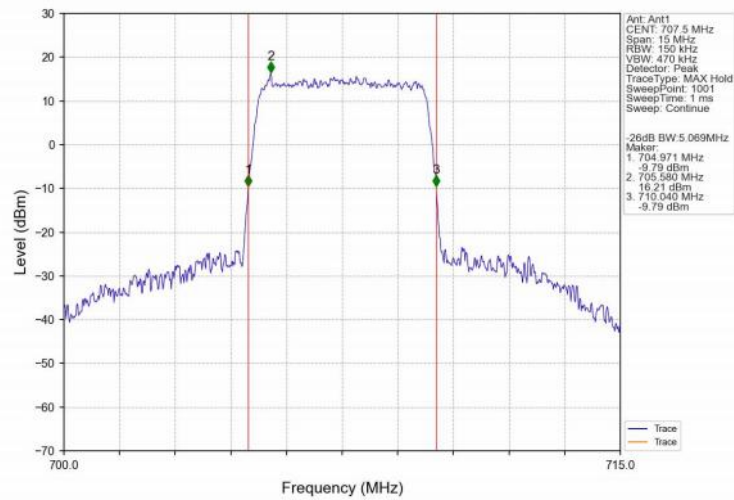
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



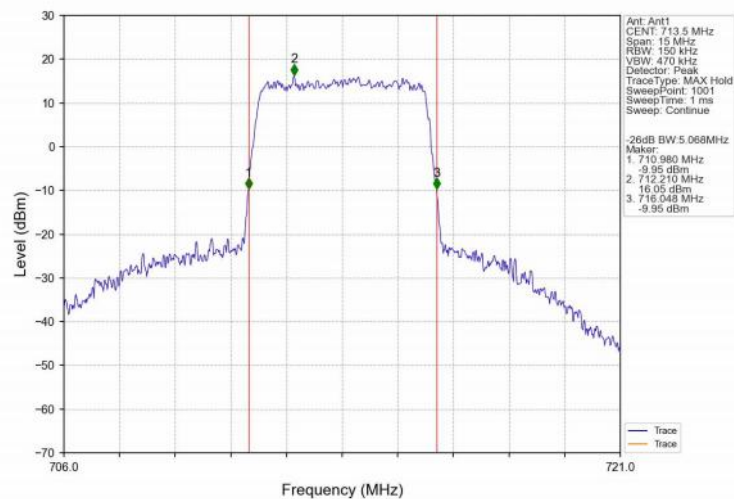
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



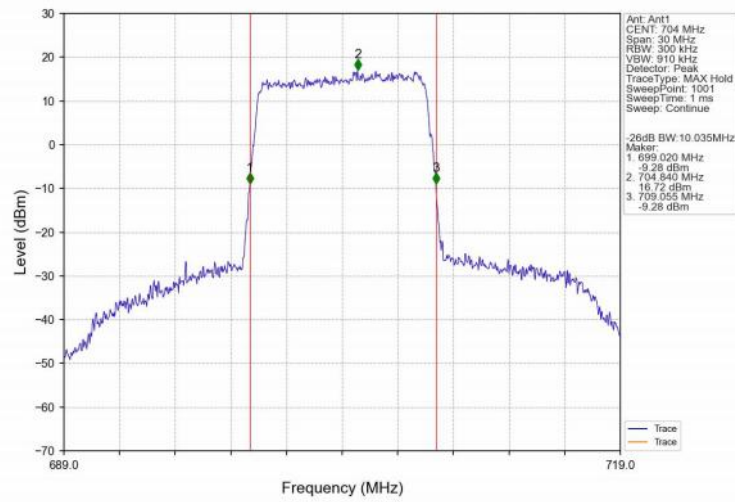
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



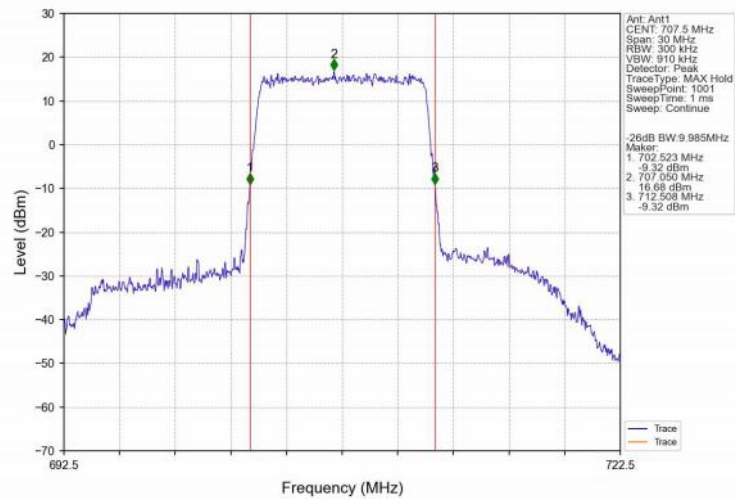
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



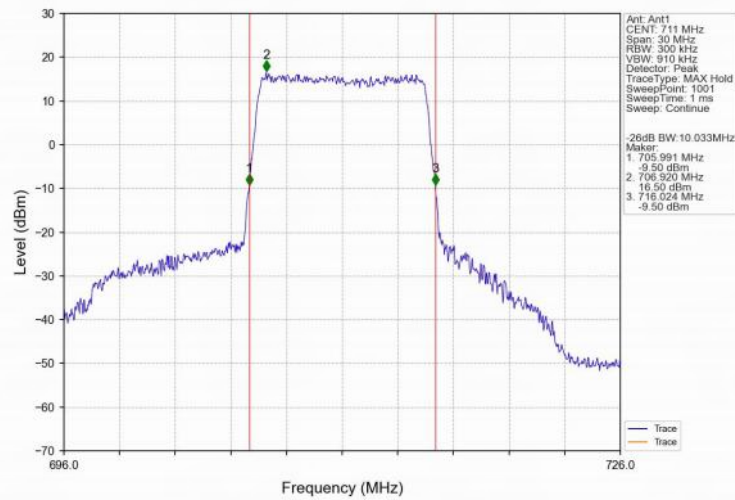
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



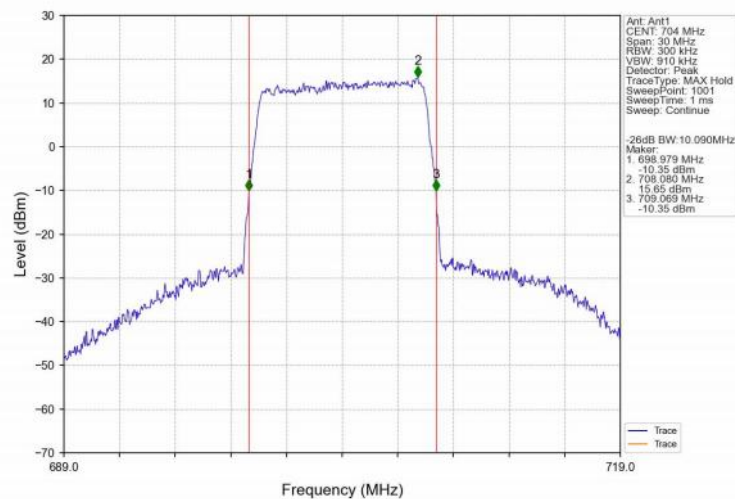
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



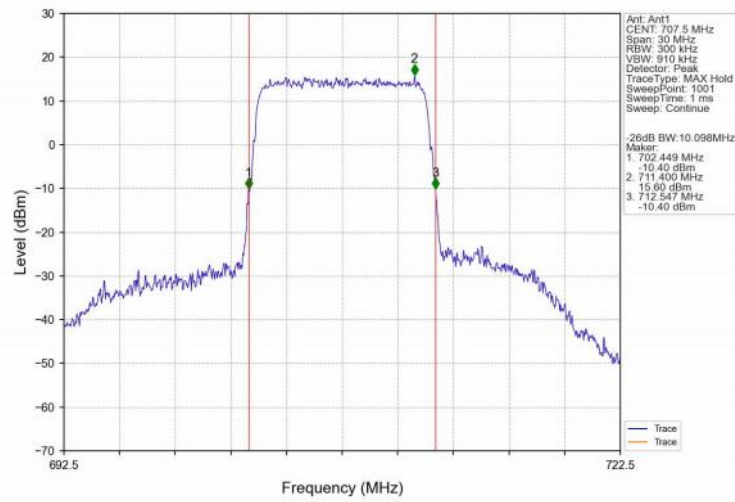
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



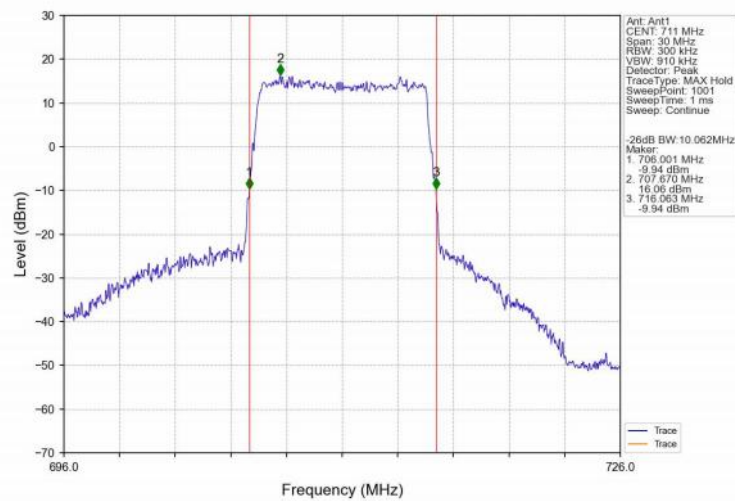
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.63	<=13	Pass
	707.5	6	0	5.39	<=13	Pass
	715.3	6	0	5.06	<=13	Pass
16QAM	699.7	6	0	6.32	<=13	Pass
	707.5	6	0	6.21	<=13	Pass
	715.3	6	0	5.81	<=13	Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.60	<=13	Pass
	707.5	15	0	5.38	<=13	Pass
	714.5	15	0	5.22	<=13	Pass
16QAM	700.5	15	0	6.36	<=13	Pass
	707.5	15	0	6.21	<=13	Pass
	714.5	15	0	5.99	<=13	Pass

5.1.3 B12_5MHz

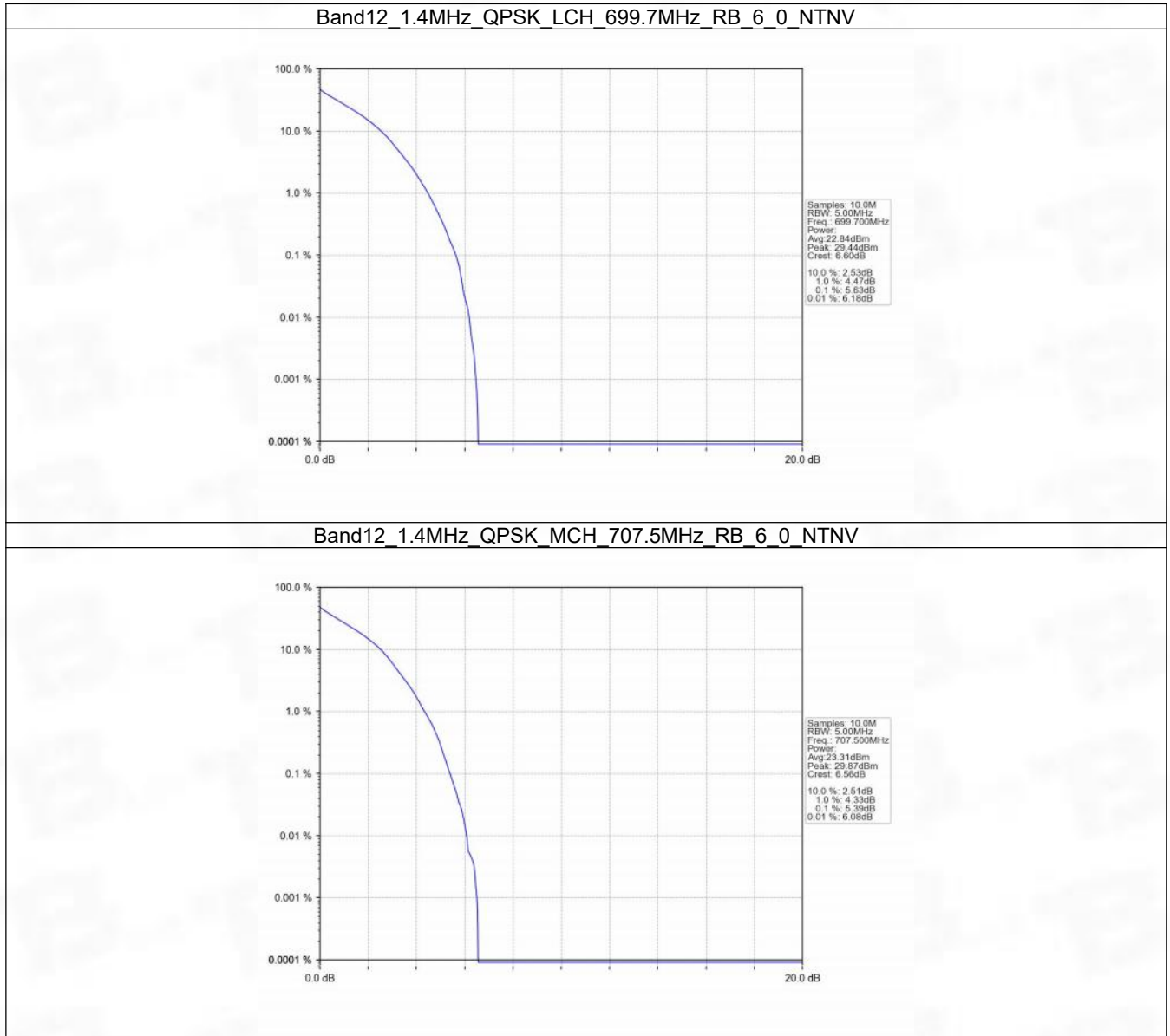
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.62	<=13	Pass
	707.5	25	0	5.50	<=13	Pass
	713.5	25	0	5.46	<=13	Pass
16QAM	701.5	25	0	6.37	<=13	Pass
	707.5	25	0	6.20	<=13	Pass
	713.5	25	0	6.11	<=13	Pass

5.1.4 B12_10MHz

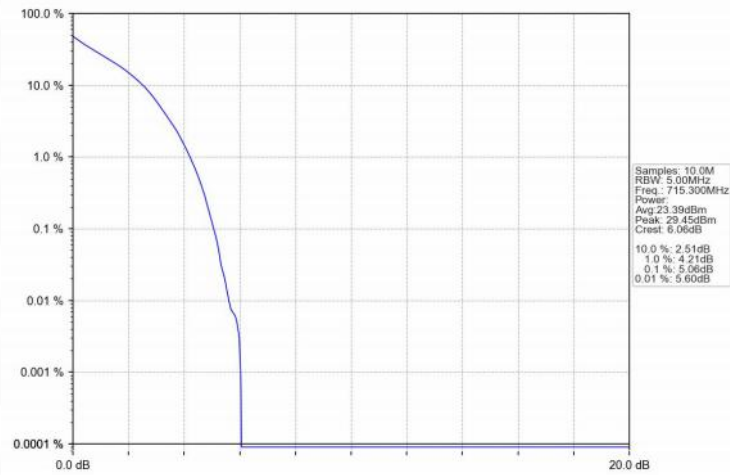
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.54	<=13	Pass
	707.5	50	0	5.50	<=13	Pass
	711	50	0	5.58	<=13	Pass
16QAM	704	50	0	6.28	<=13	Pass
	707.5	50	0	6.25	<=13	Pass
	711	50	0	6.26	<=13	Pass

5.2 Test Graph

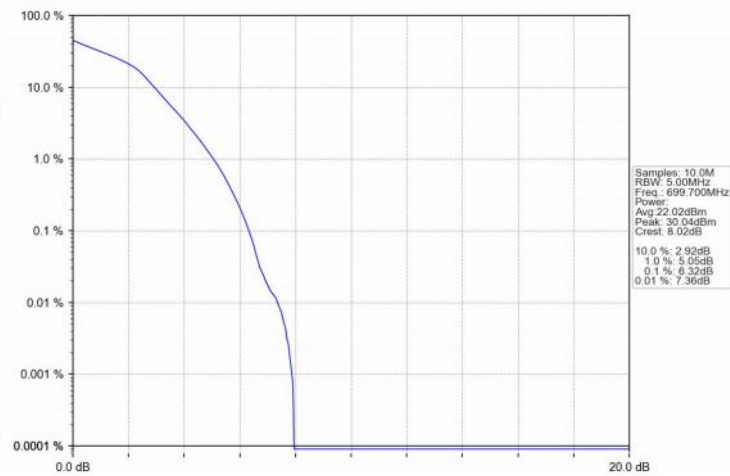
5.2.1 B12_1.4MHz



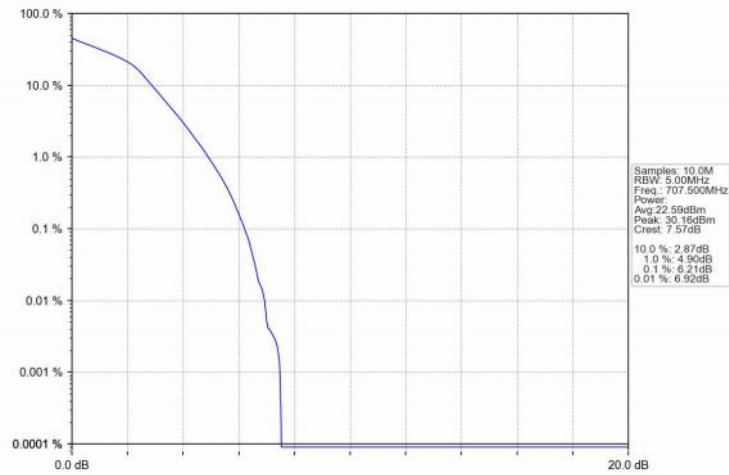
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



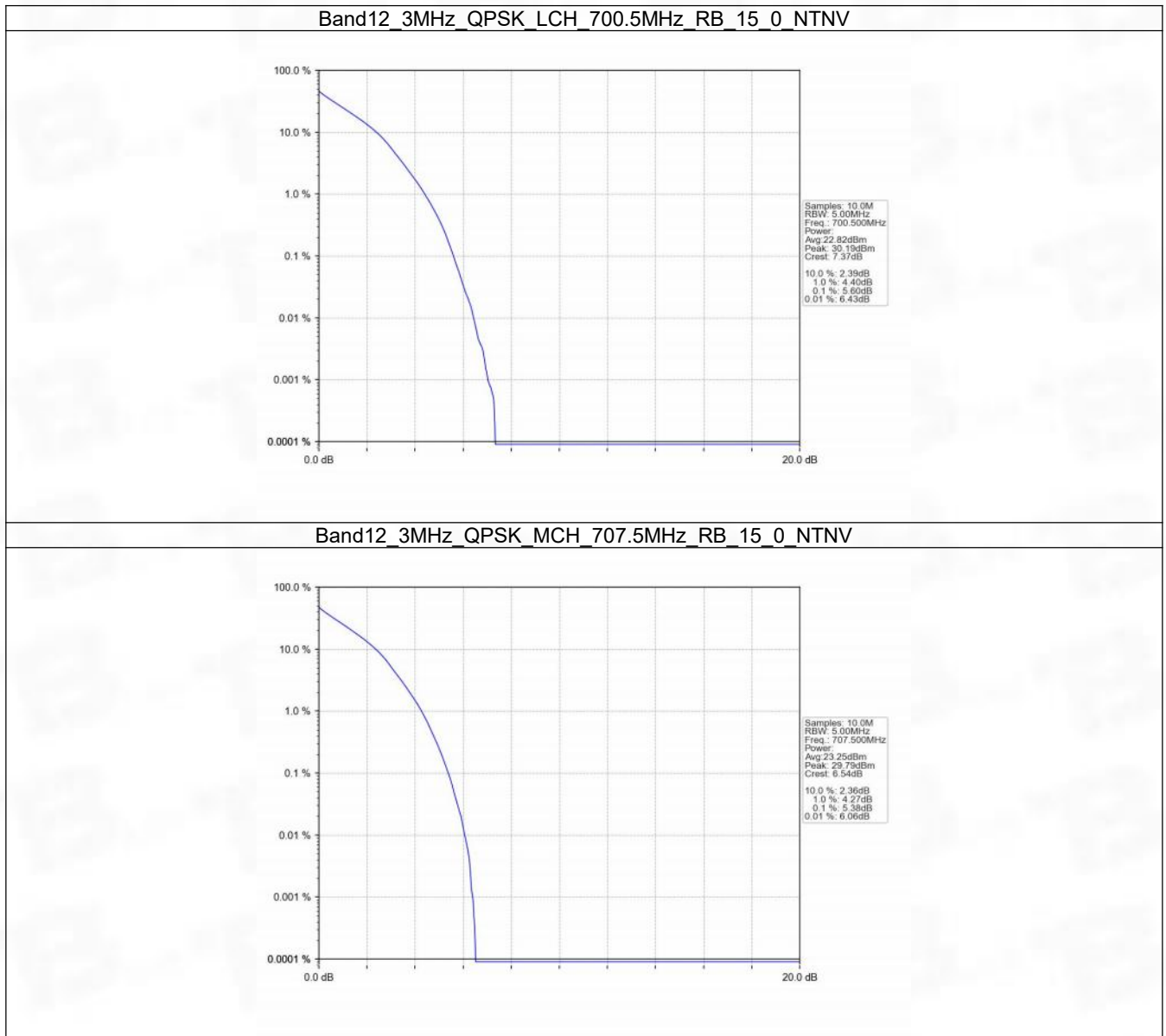
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



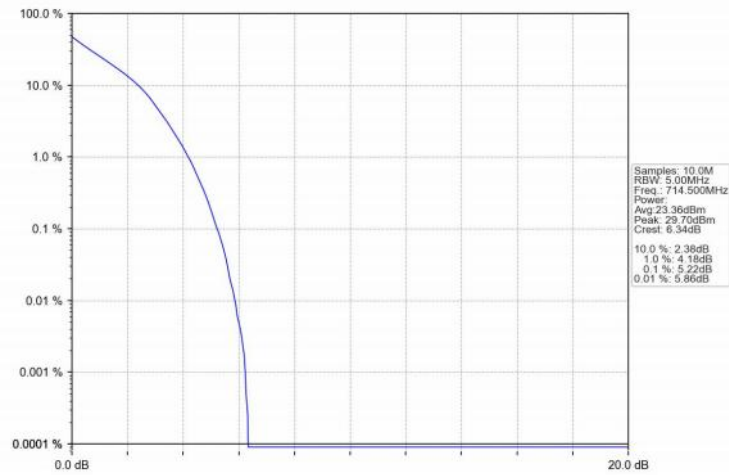
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



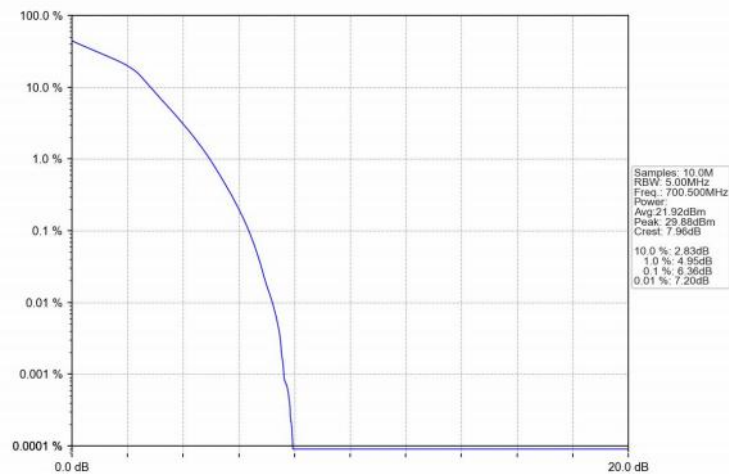
5.2.2 B12_3MHz



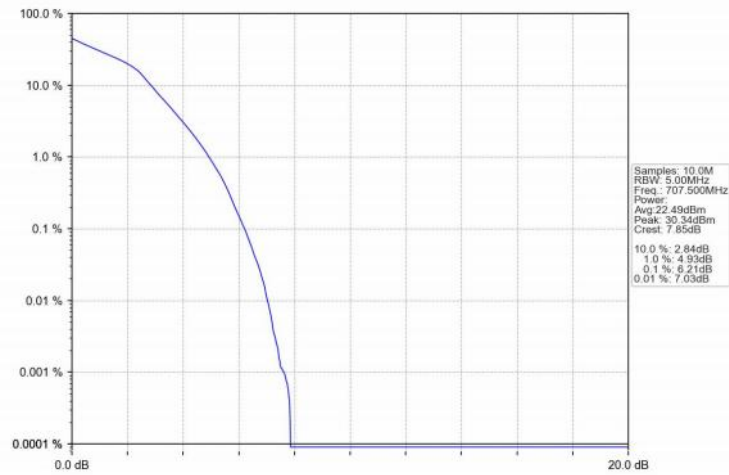
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



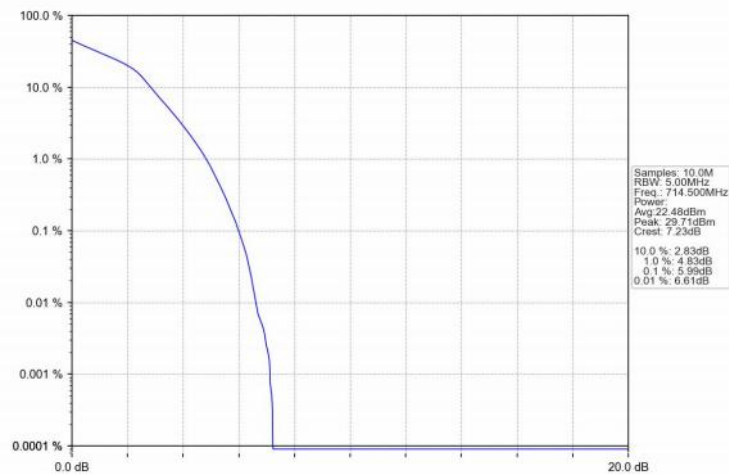
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

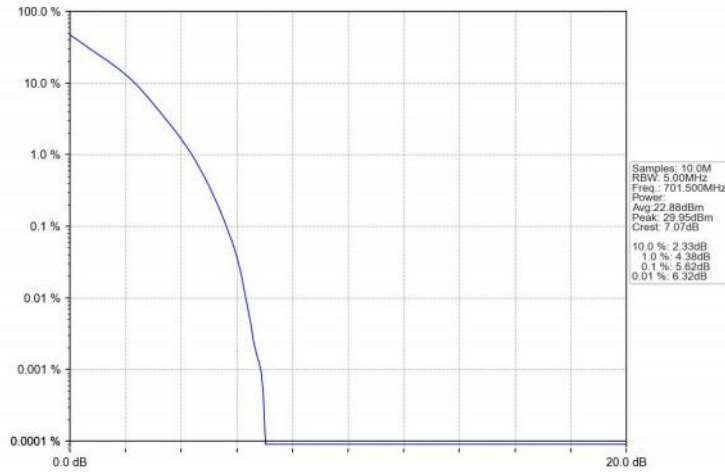


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

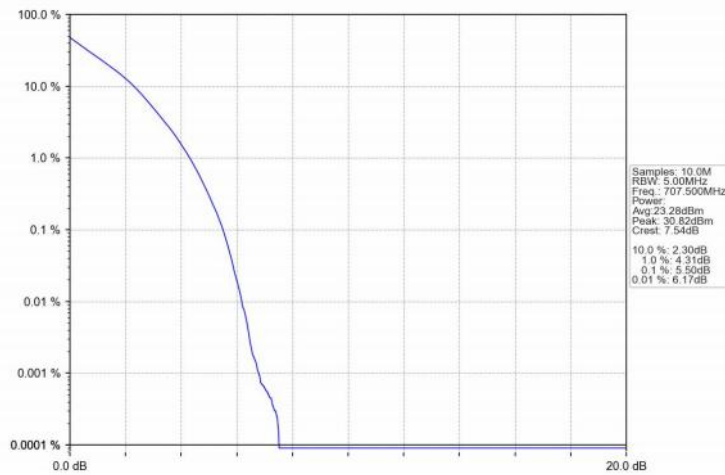


5.2.3 B12_5MHz

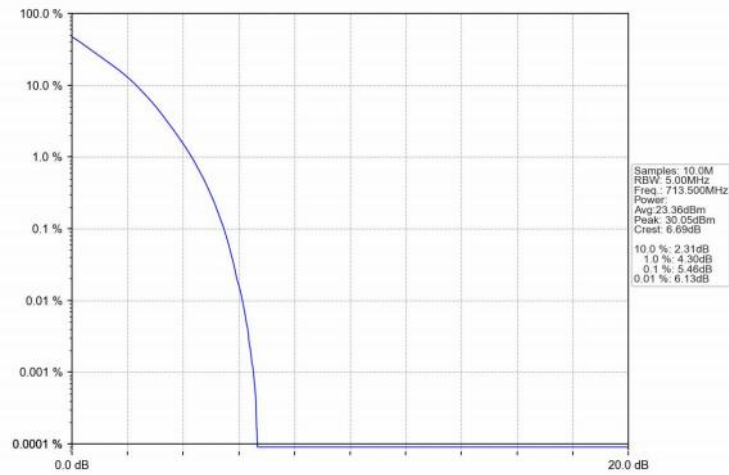
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



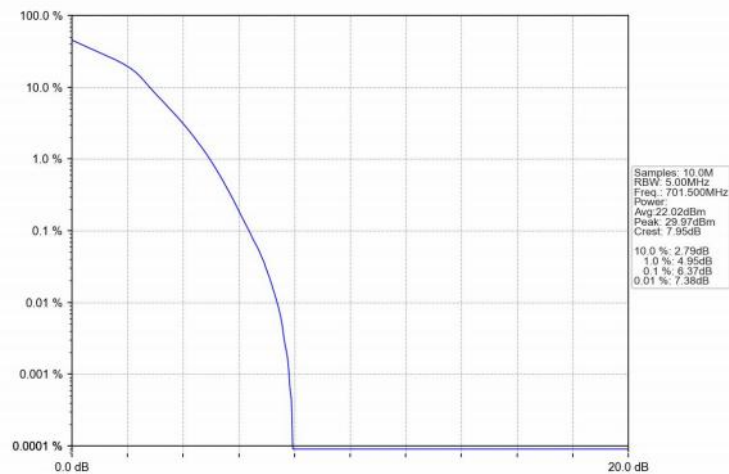
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



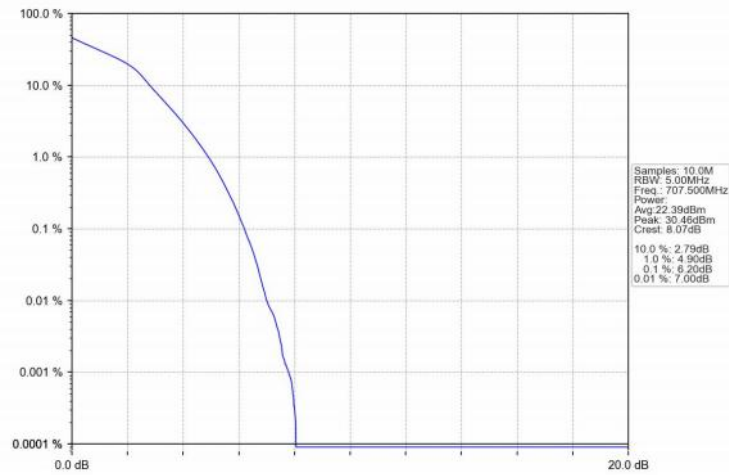
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



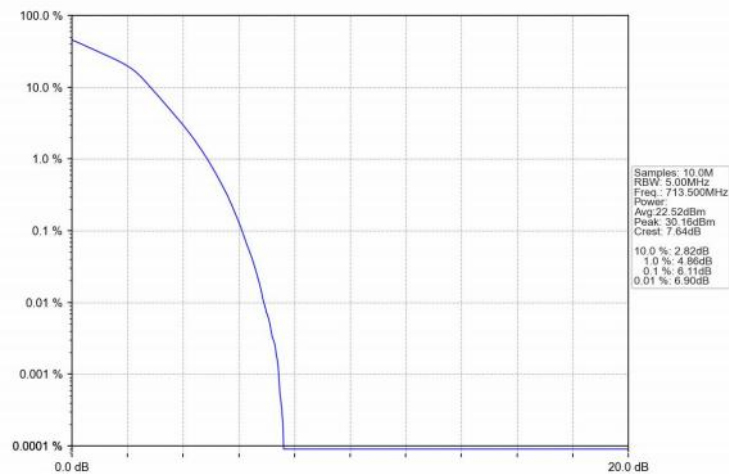
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

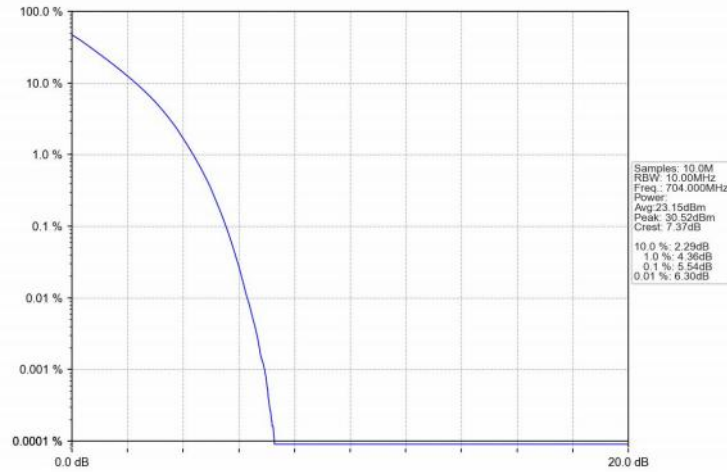


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

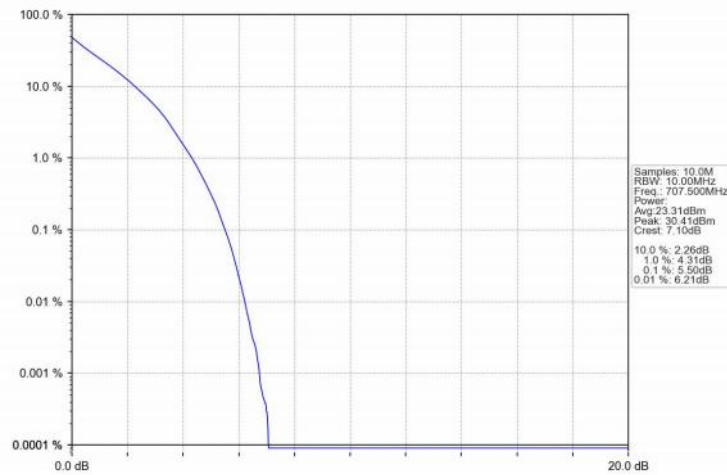


5.2.4 B12_10MHz

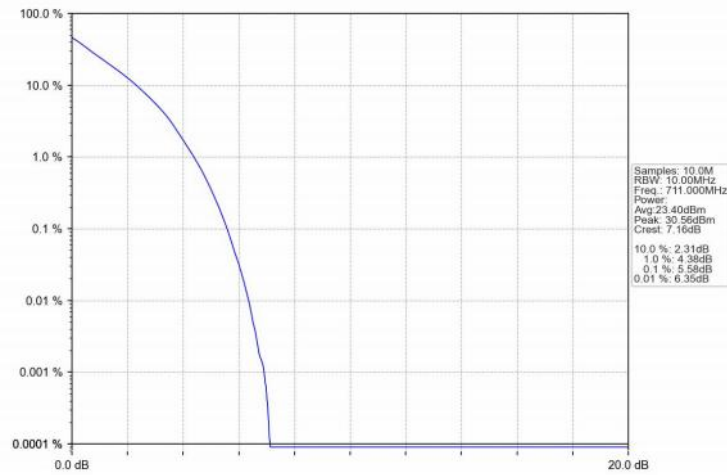
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



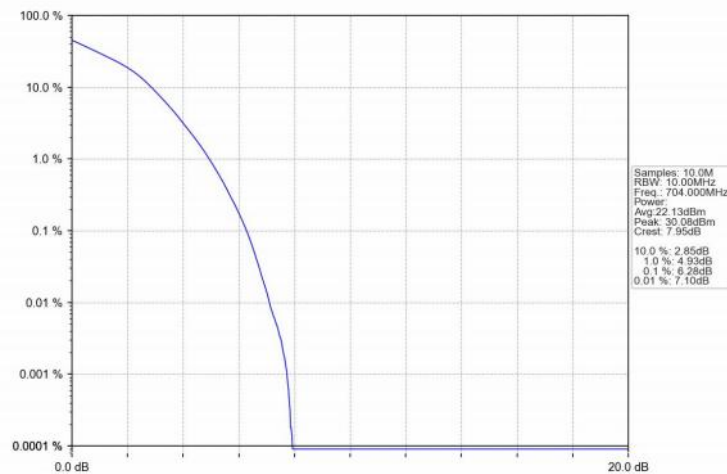
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



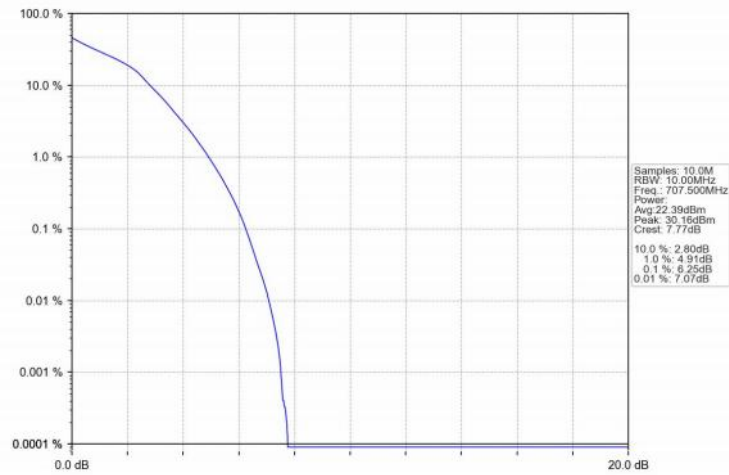
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



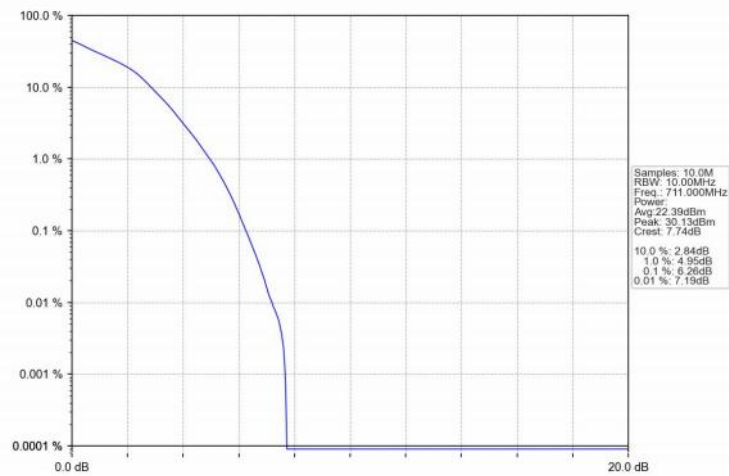
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

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

6.1.2 B12_3MHz

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

6.1.3 B12_5MHz

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

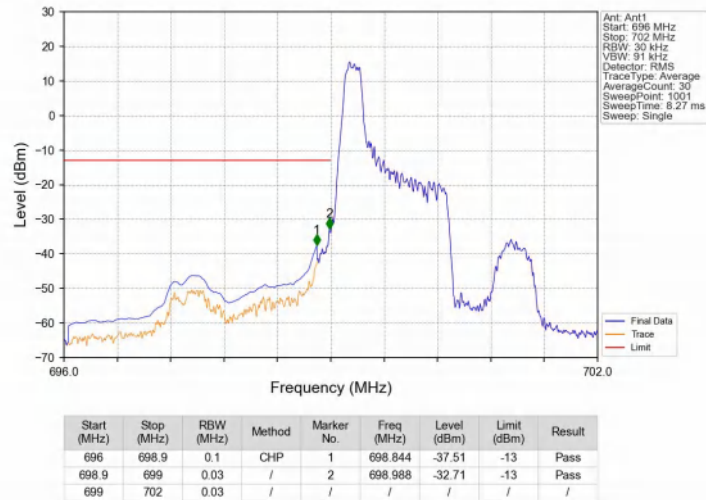
6.1.4 B12_10MHz

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

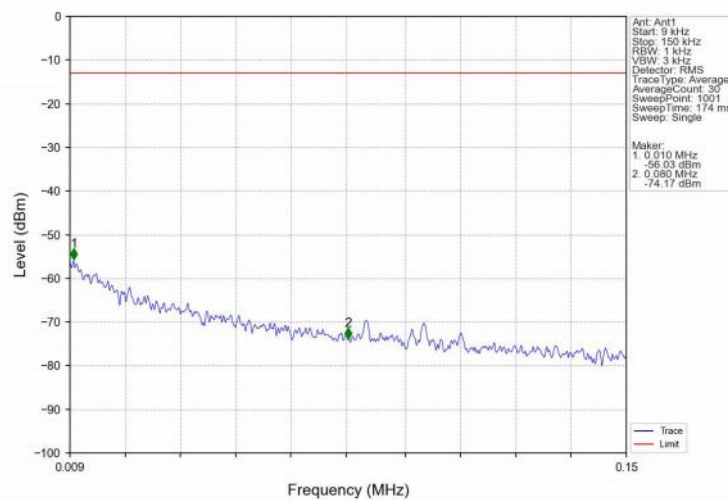
6.2 Test Graph

6.2.1 B12_1.4MHz

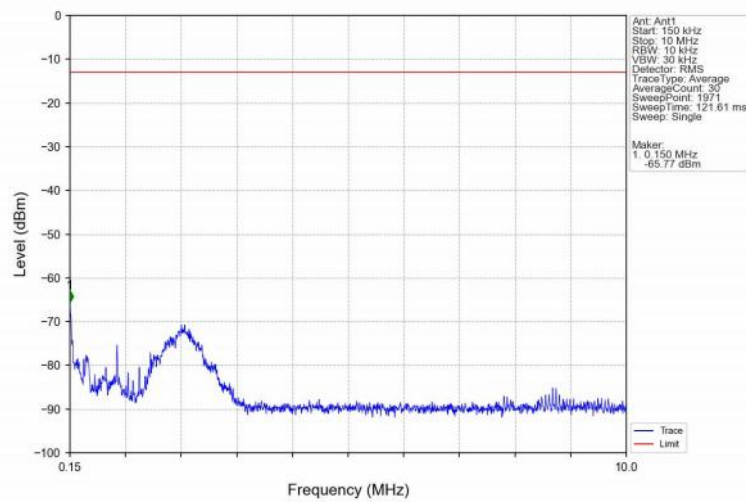
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



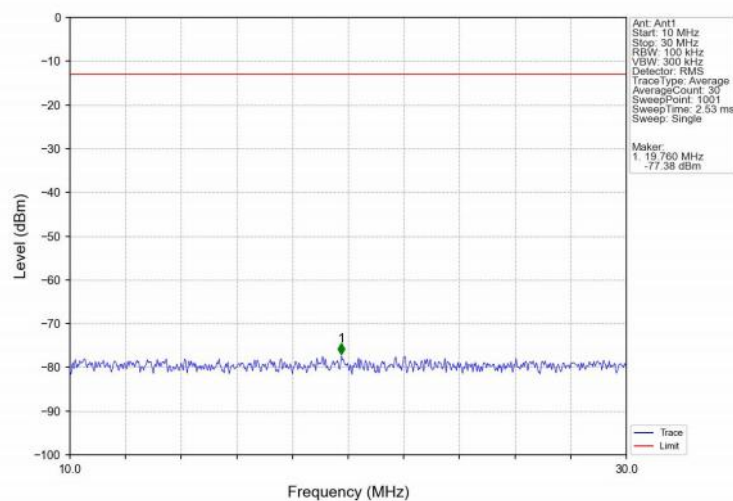
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



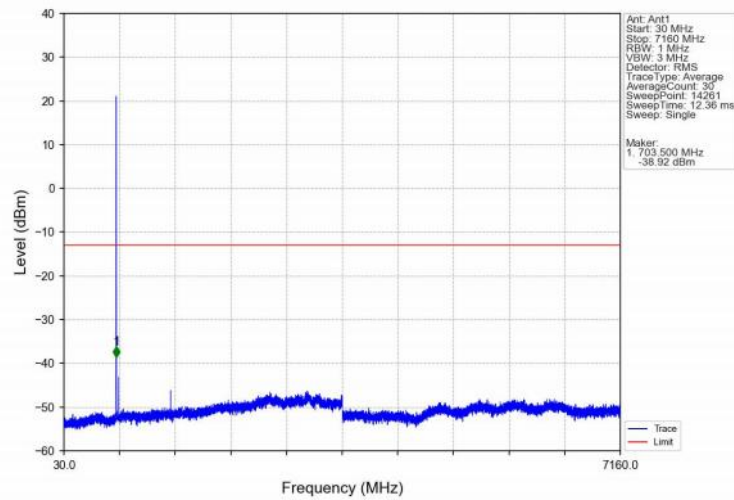
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



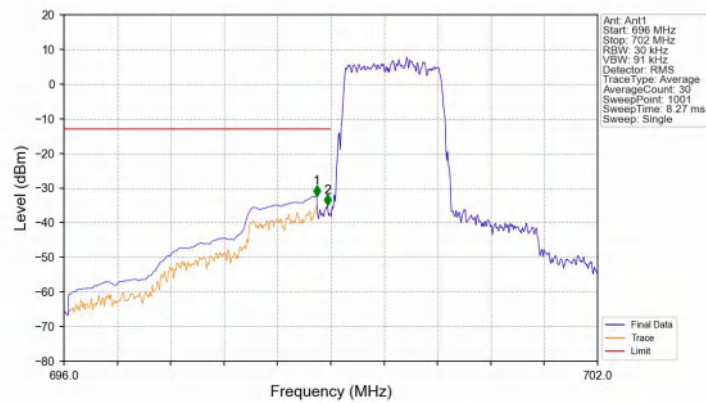
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

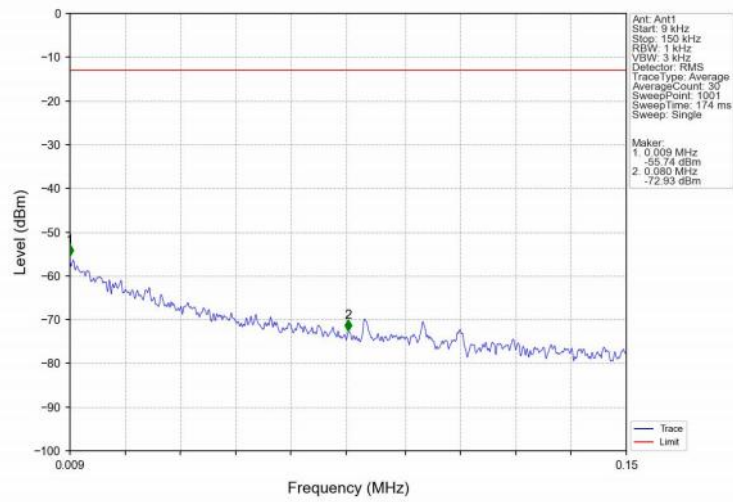


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

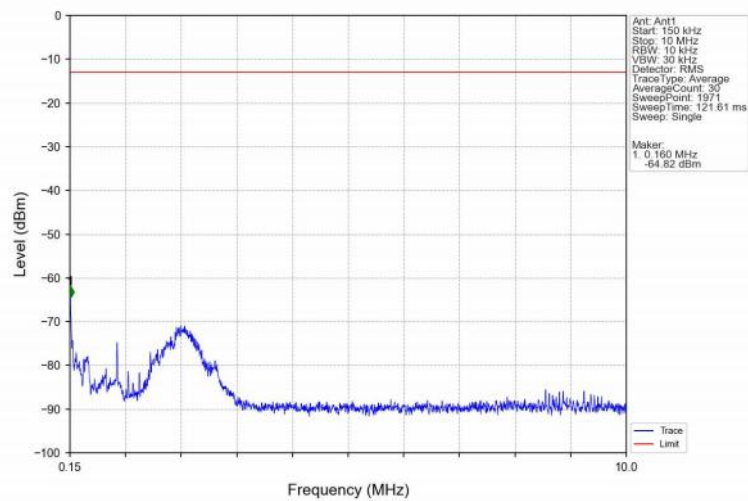


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-32.31	-13	Pass
698.9	699	0.03	/	2	698.964	-35.01	-13	Pass
699	702	0.03	/	/	/	/	/	/

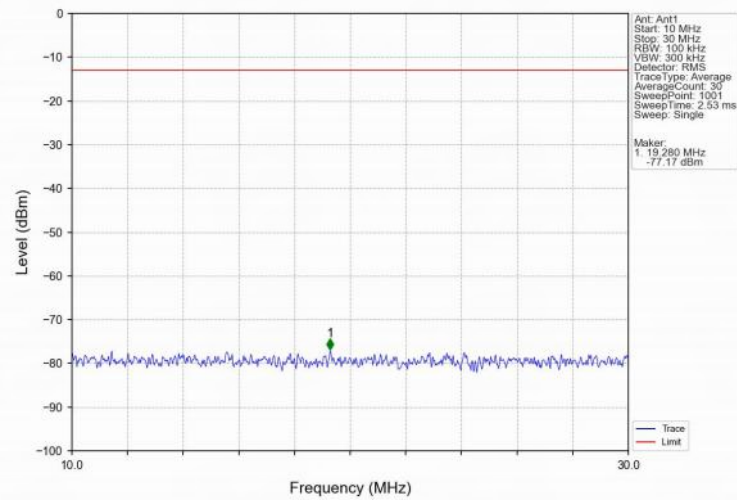
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



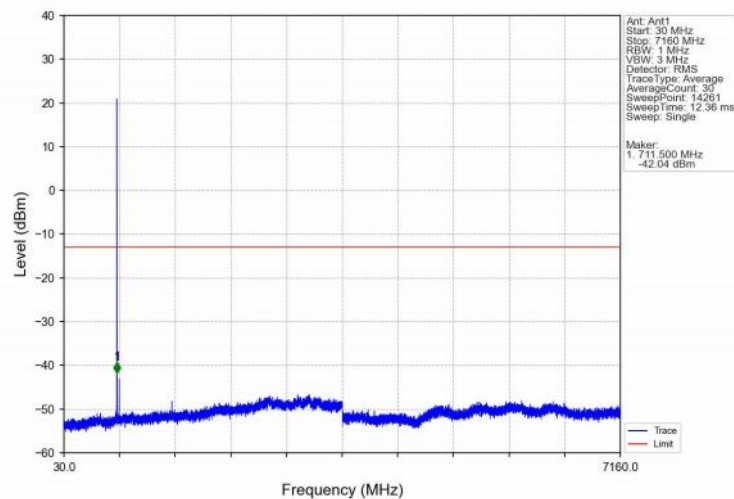
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



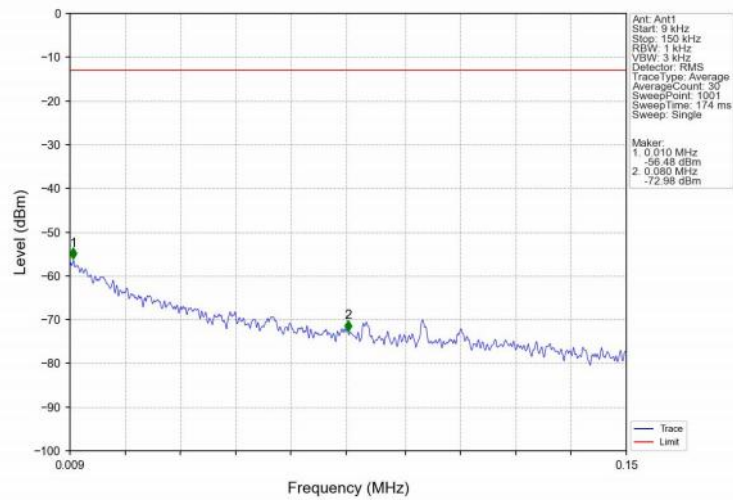
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



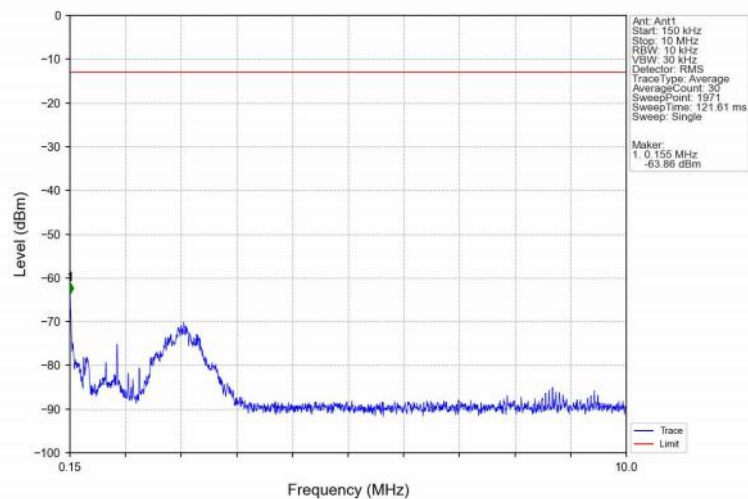
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



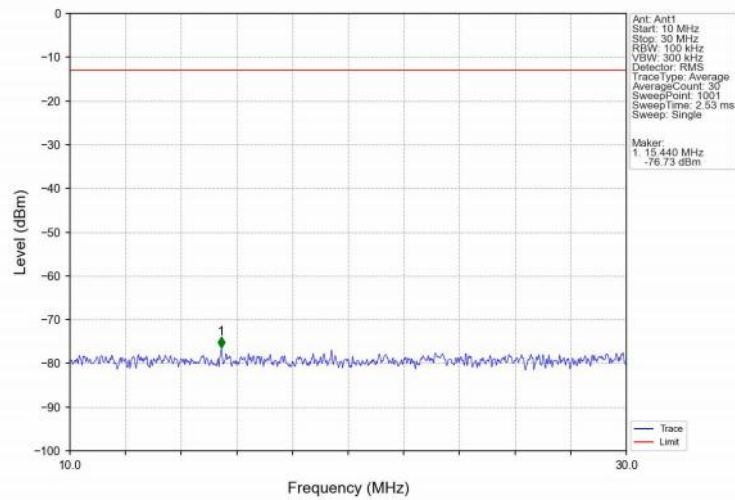
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



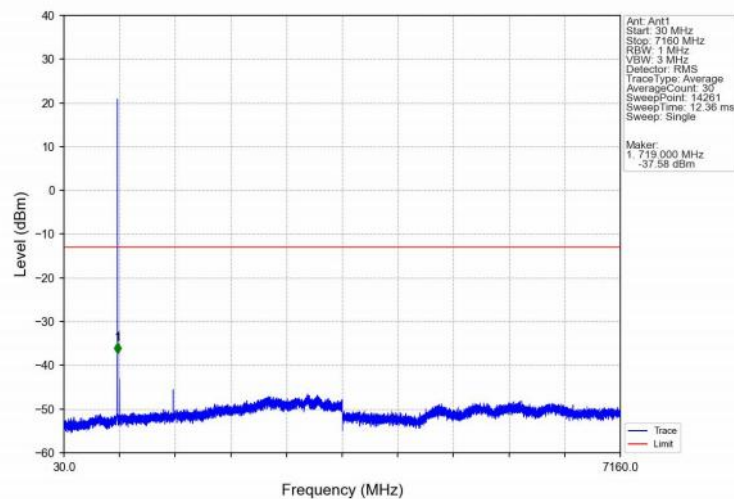
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



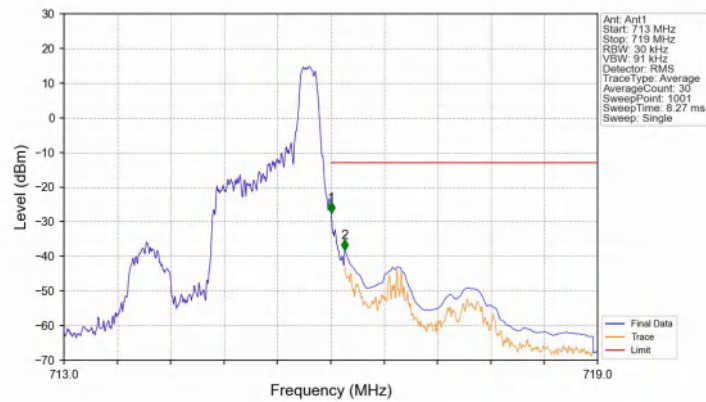
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

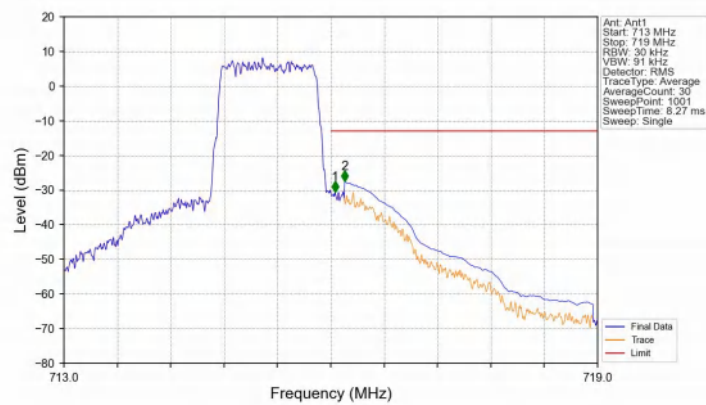


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



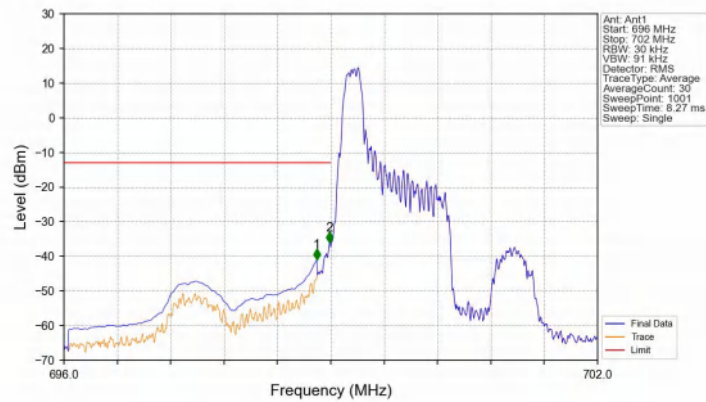
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-27.54	-13	Pass
716.1	719	0.1	CHP	2	716.156	-38.25	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



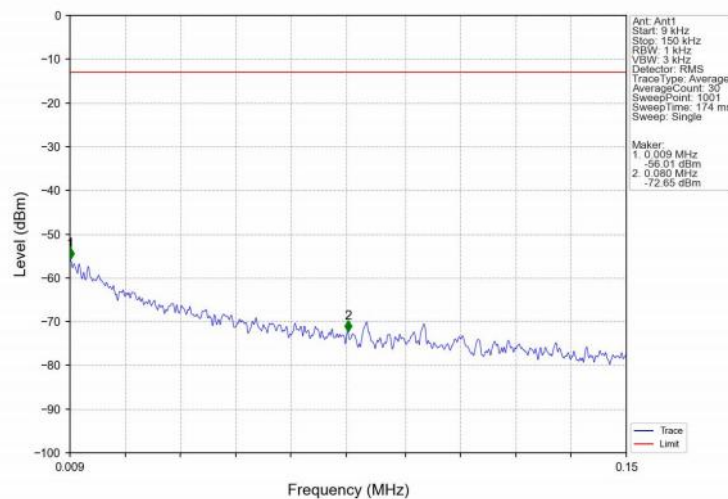
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.048	-30.58	-13	Pass
716.1	719	0.1	CHP	2	716.156	-27.50	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

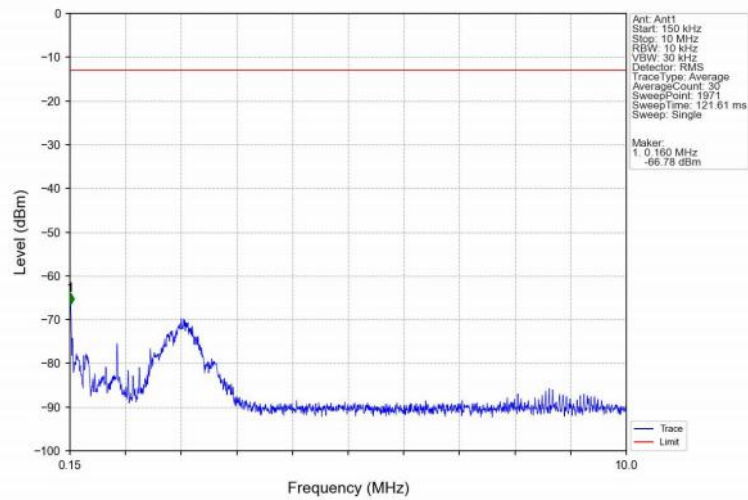


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-41.04	-13	Pass
698.9	699	0.03	/	2	698.988	-36.11	-13	Pass
699	702	0.03	/	/	/	/	/	/

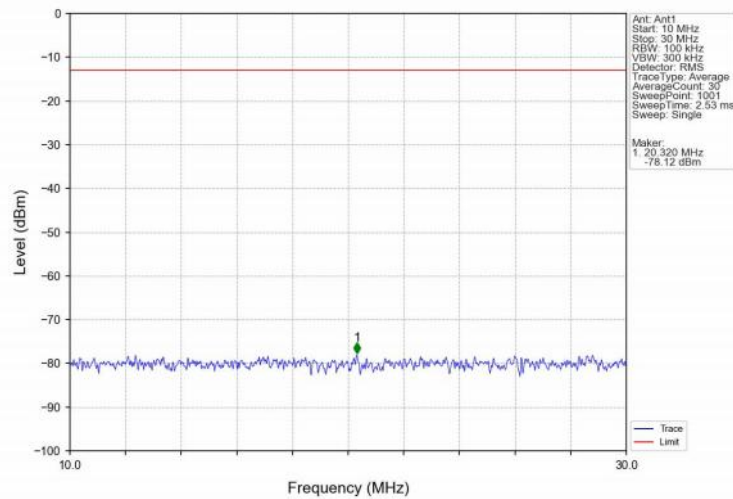
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



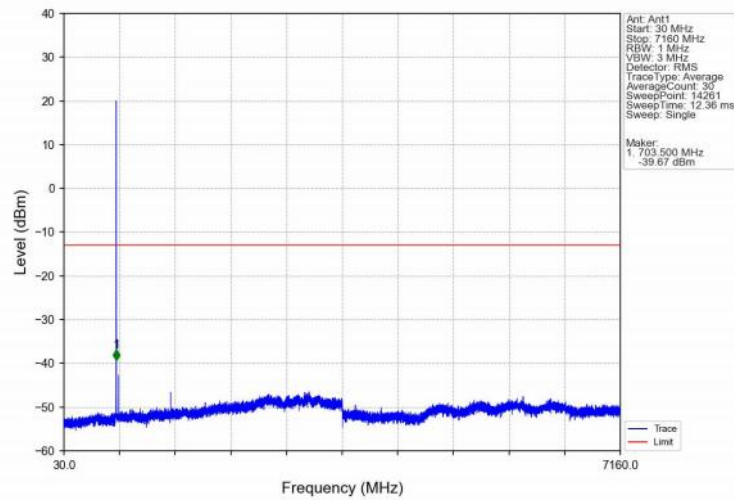
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



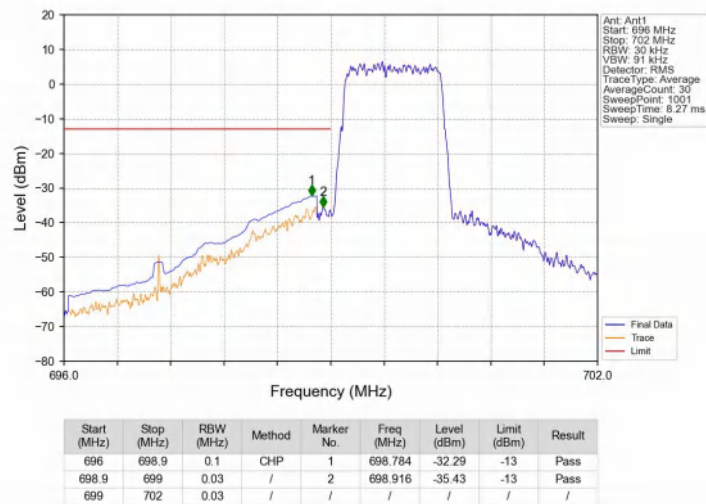
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



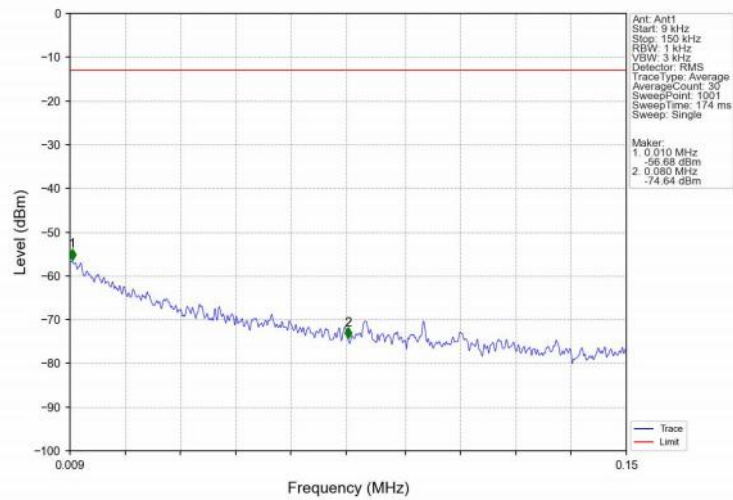
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



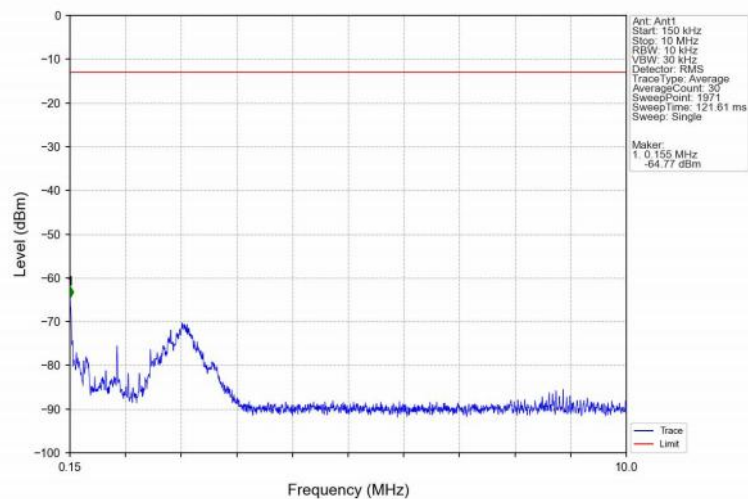
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



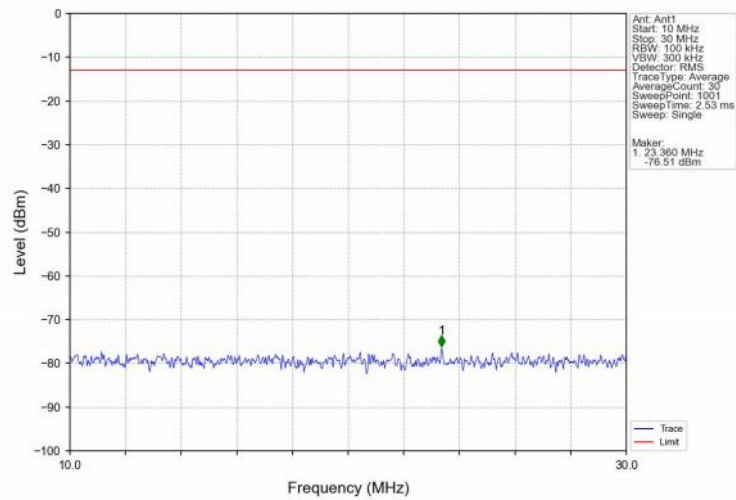
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



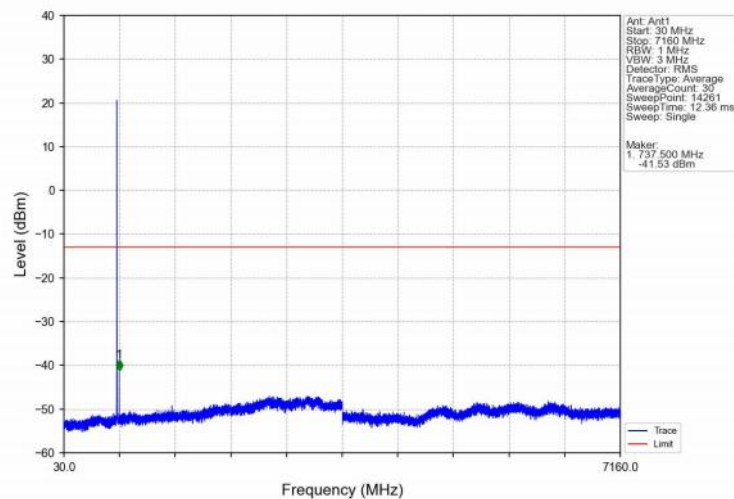
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



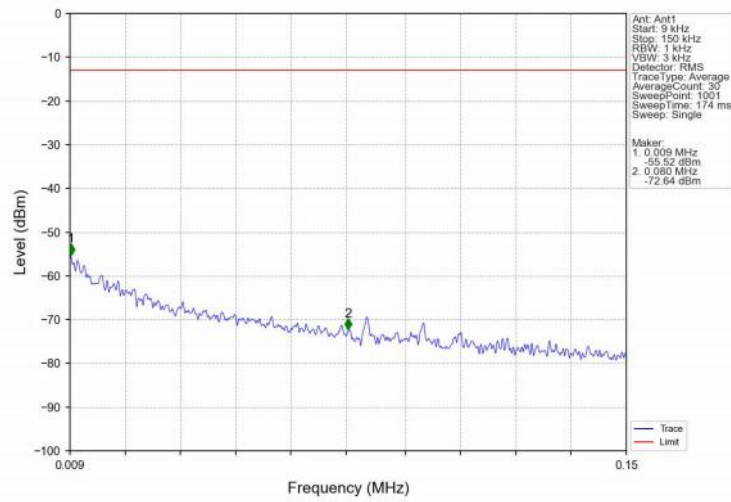
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



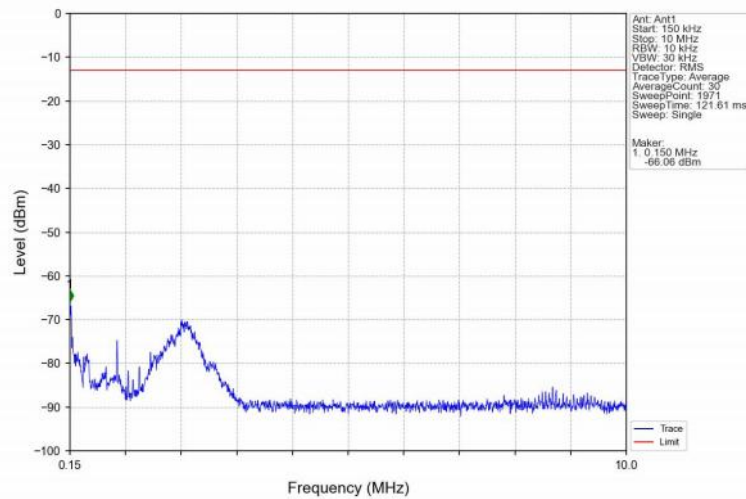
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



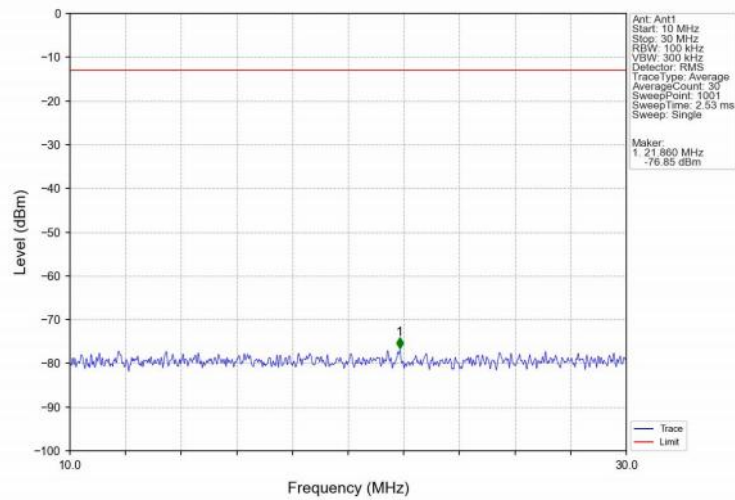
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



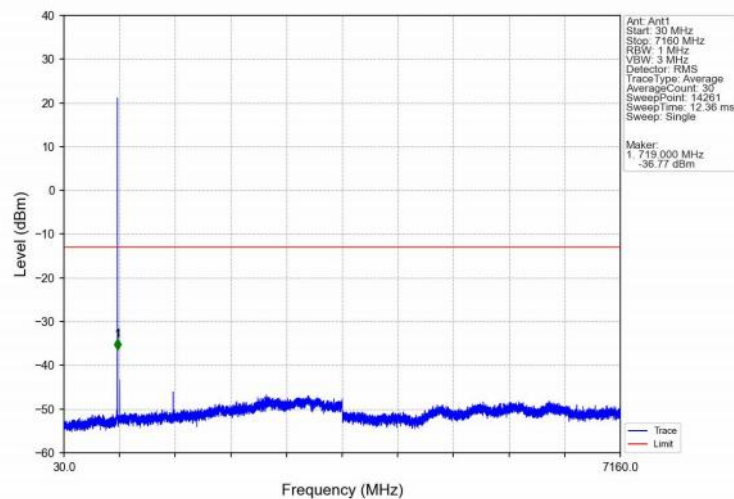
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



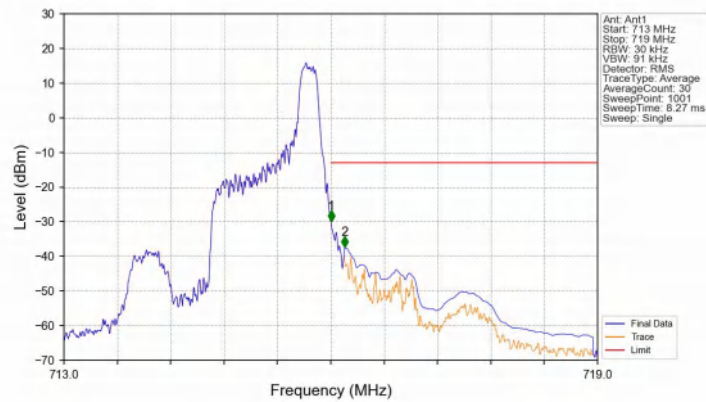
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

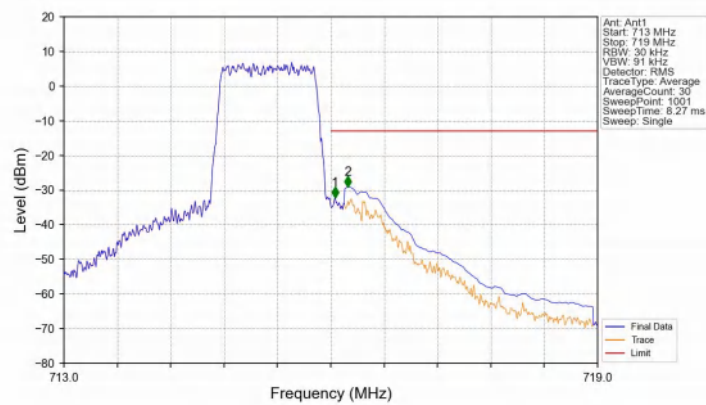


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-29.95	-13	Pass
716.1	719	0.1	CHP	2	716.156	-37.26	-13	Pass

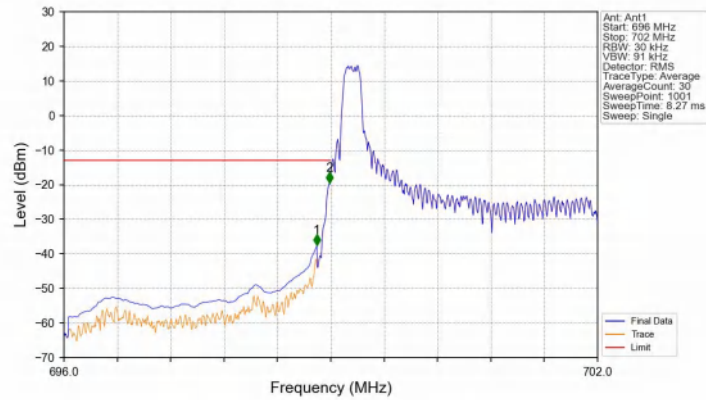
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



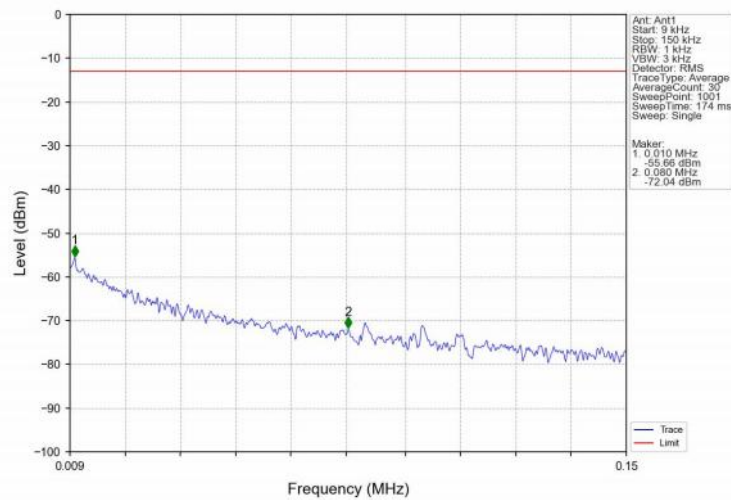
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.048	-32.20	-13	Pass
716.1	719	0.1	CHP	2	716.192	-29.13	-13	Pass

6.2.2 B12_3MHz

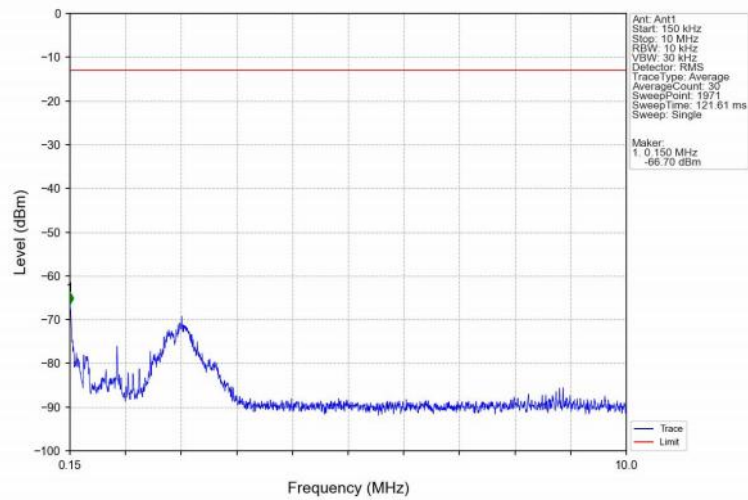
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



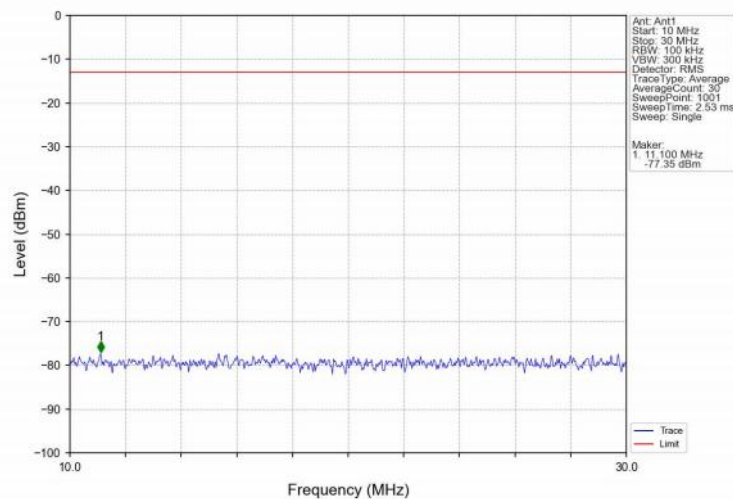
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



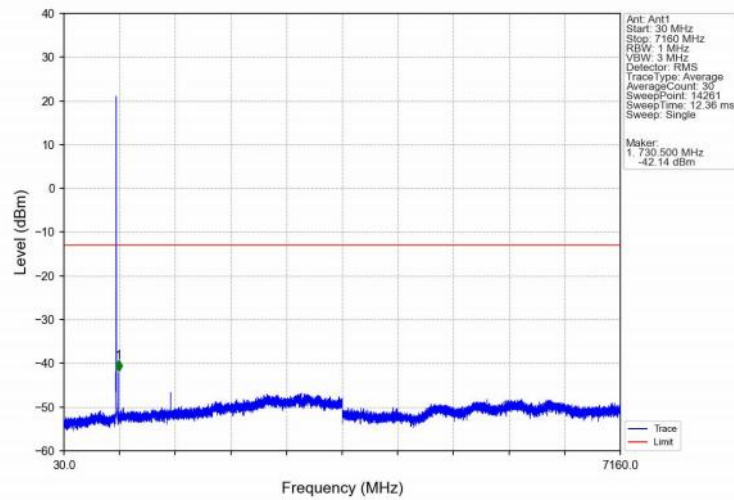
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



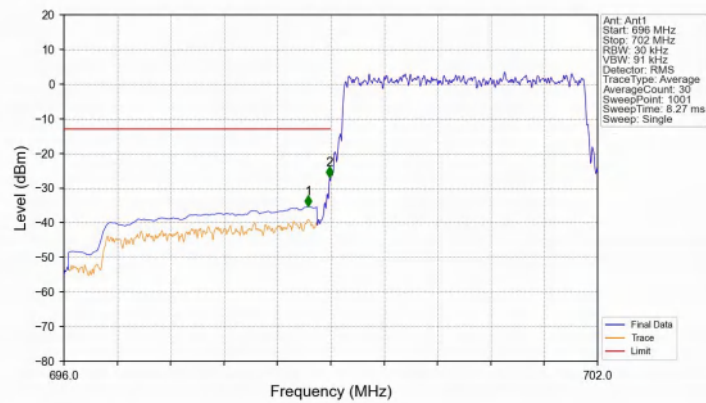
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

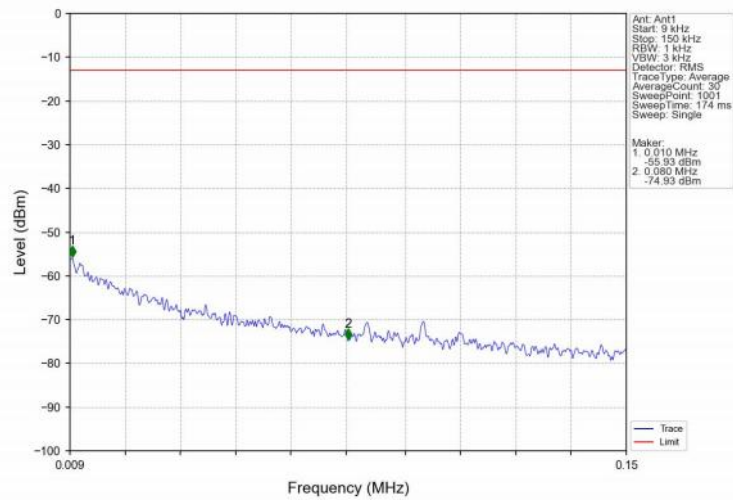


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

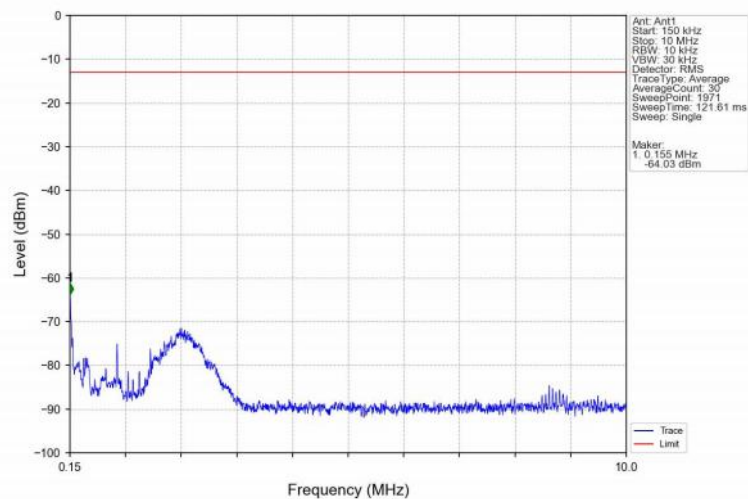


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.748	-35.31	-13	Pass
698.9	699	0.03	/	2	698.988	-26.99	-13	Pass
699	702	0.03	/	/	/	/	/	/

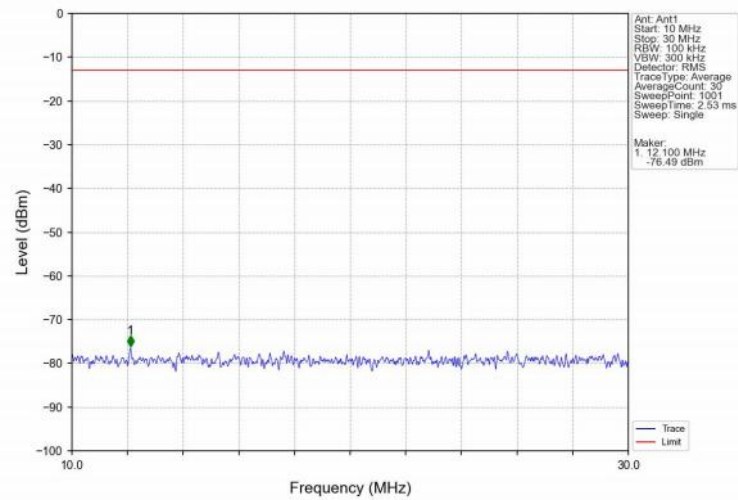
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



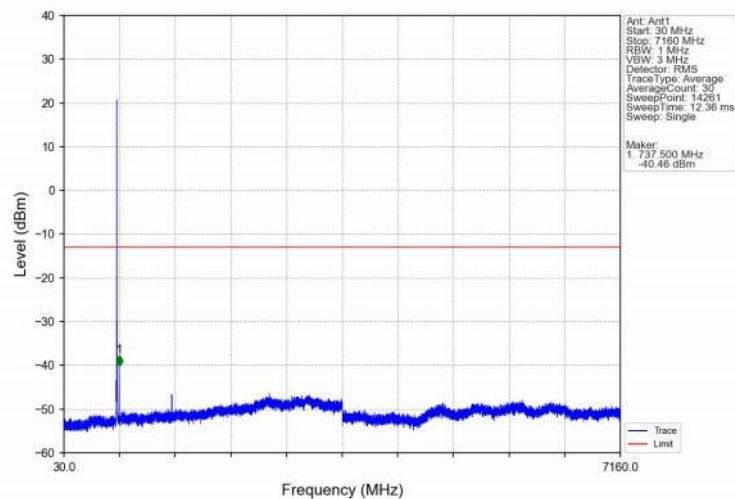
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



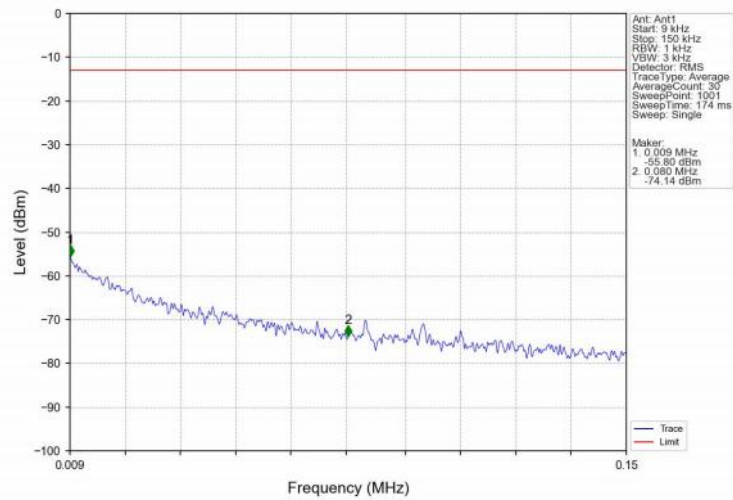
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



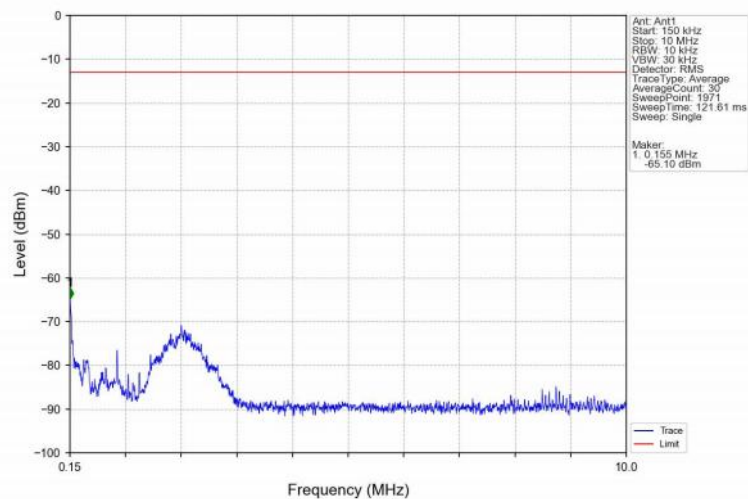
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



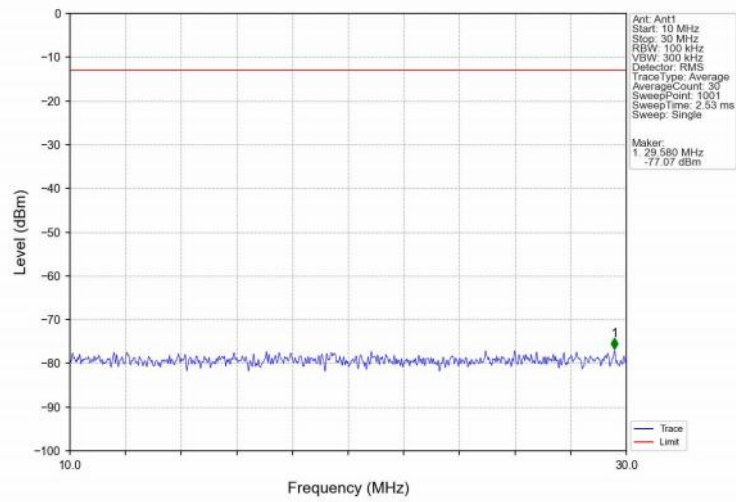
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



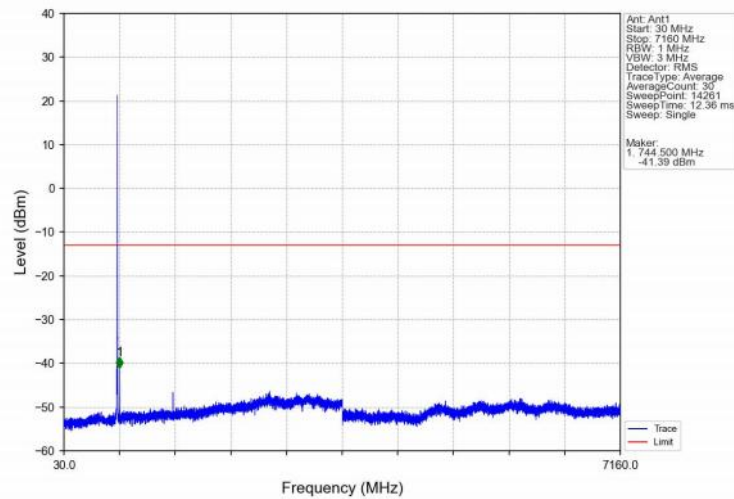
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



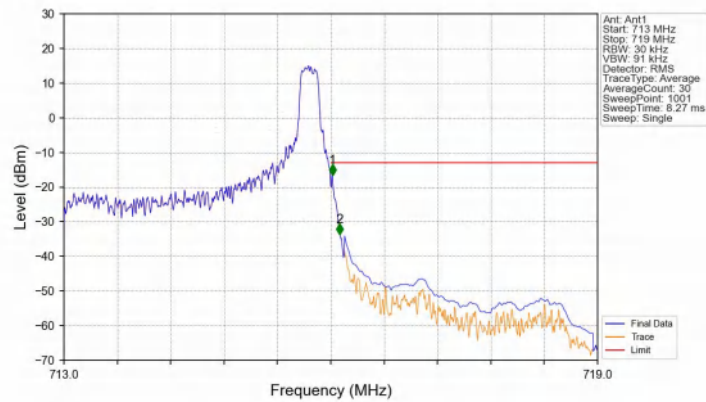
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

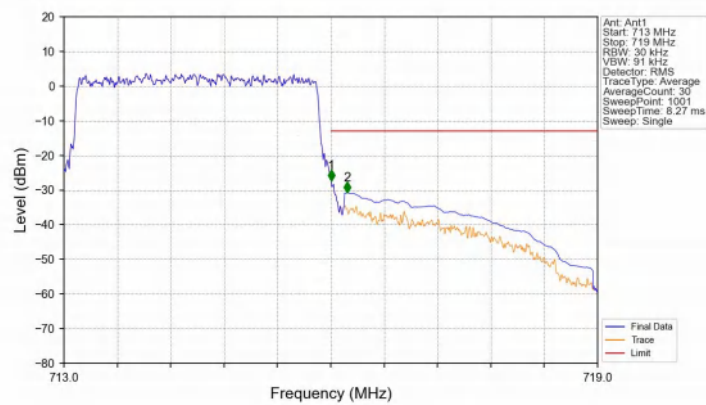


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



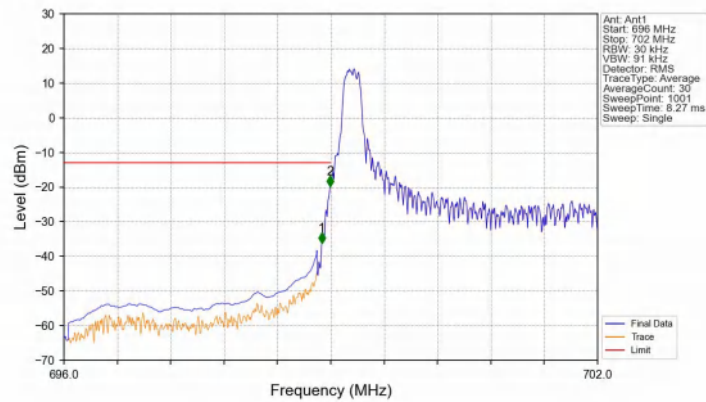
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-16.65	-13	Pass
716.1	719	0.1	CHP	2	716.102	-33.72	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



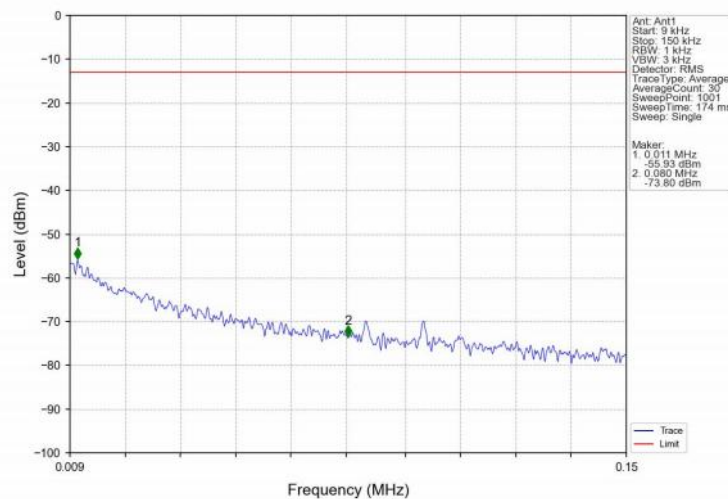
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-27.36	-13	Pass
716.1	719	0.1	CHP	2	716.186	-30.72	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

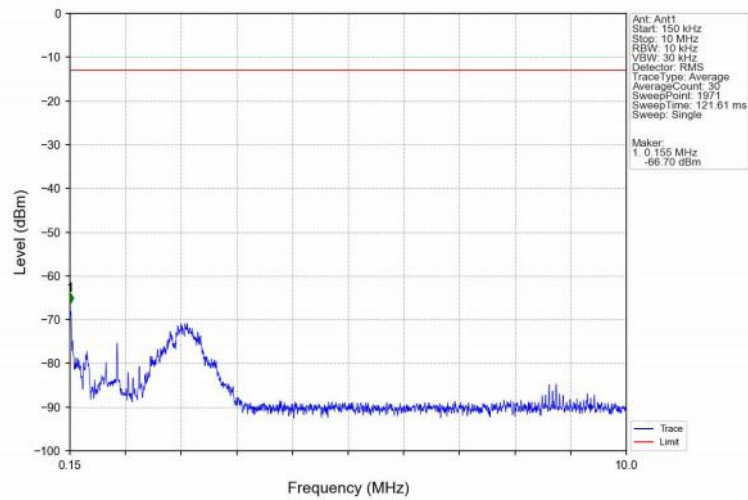


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.898	-36.27	-13	Pass
698.9	699	0.03	/	2	698.994	-19.78	-13	Pass
699	702	0.03	/	/	/	/	/	/

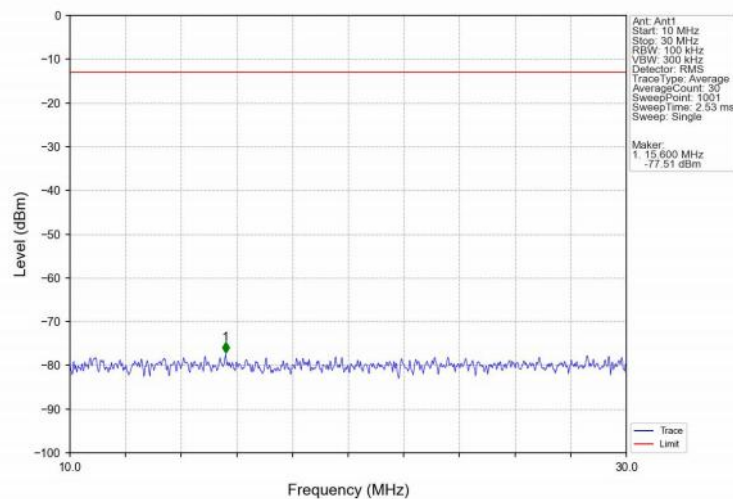
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



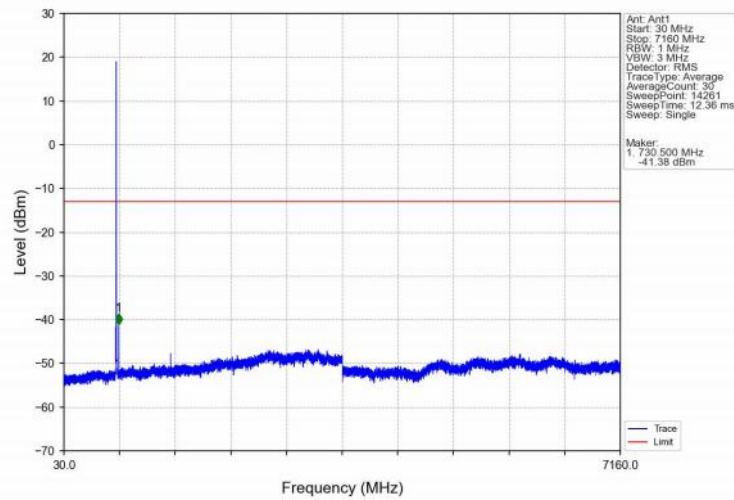
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



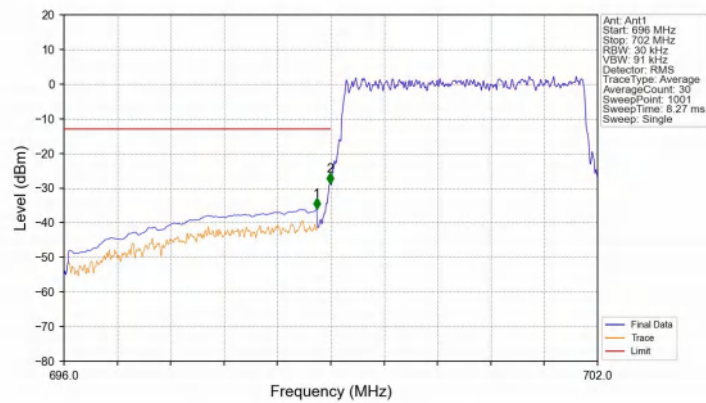
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

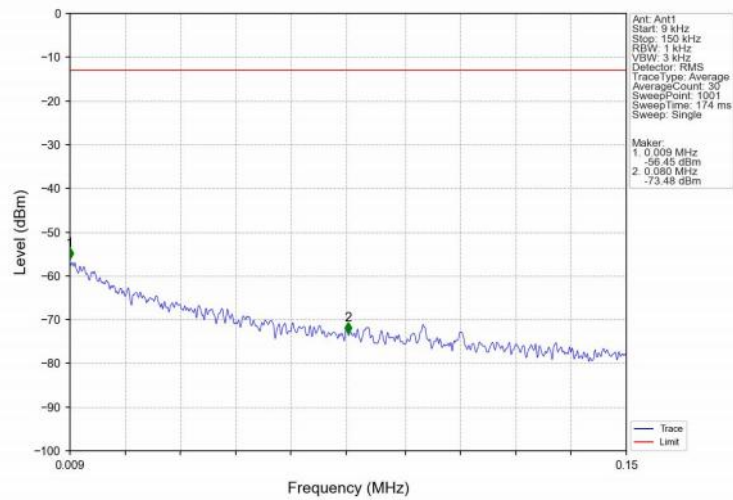


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

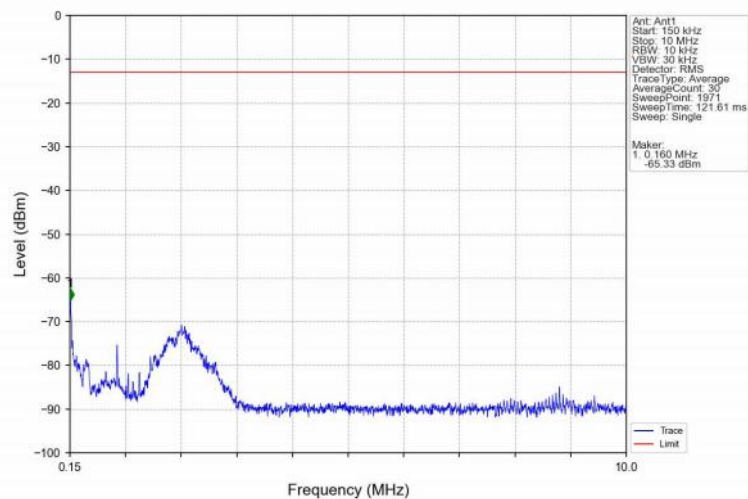


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-36.05	-13	Pass
698.9	699	0.03	/	2	698.994	-28.68	-13	Pass
699	702	0.03	/	/	/	/	/	/

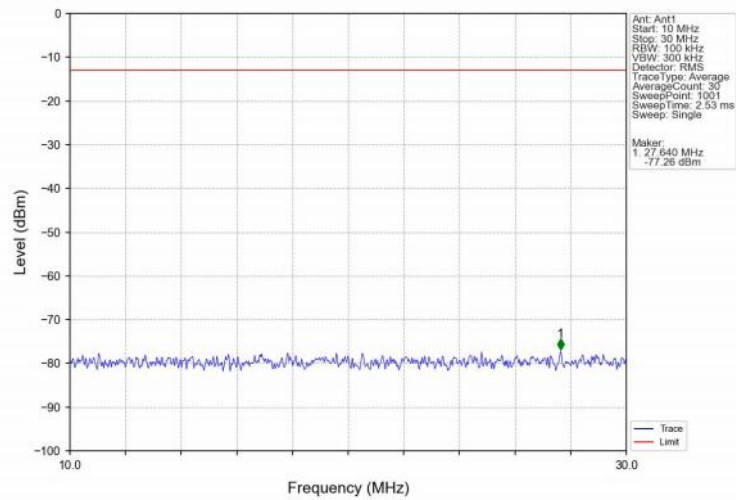
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



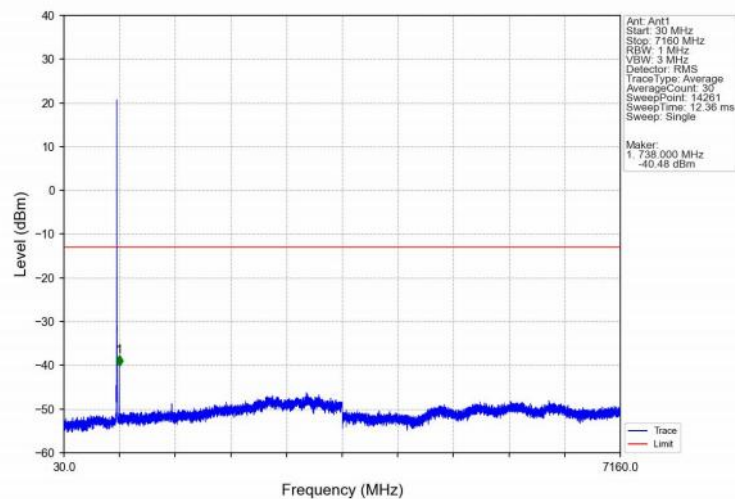
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



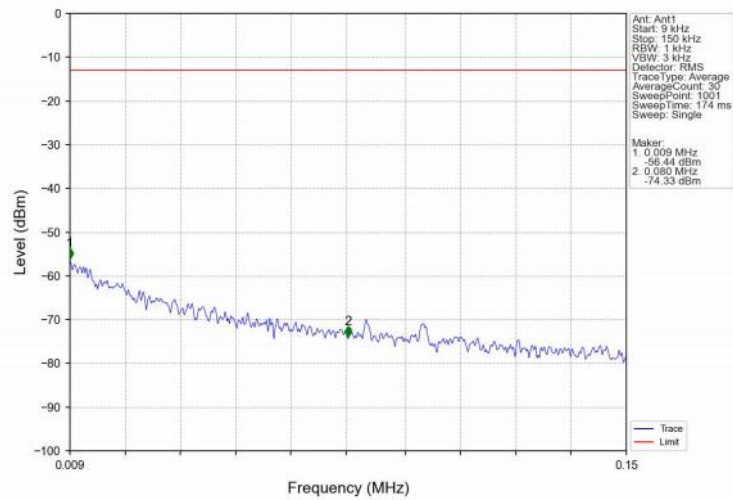
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



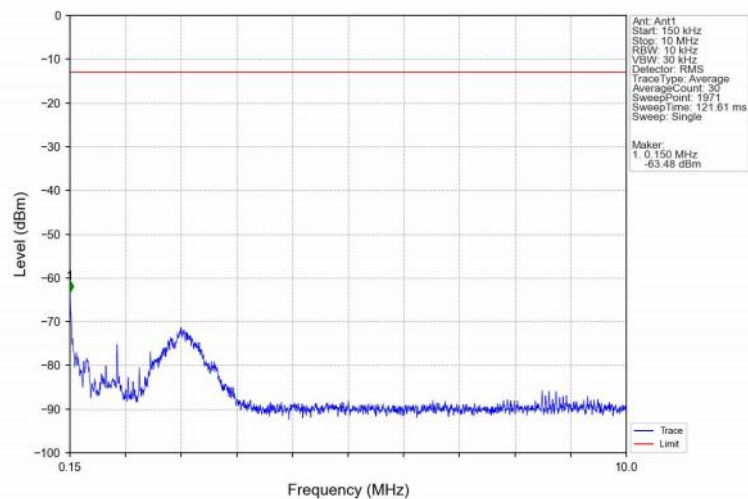
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



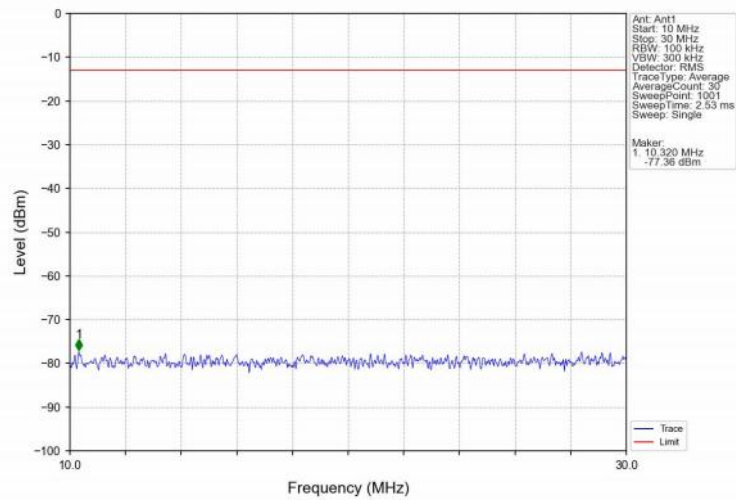
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



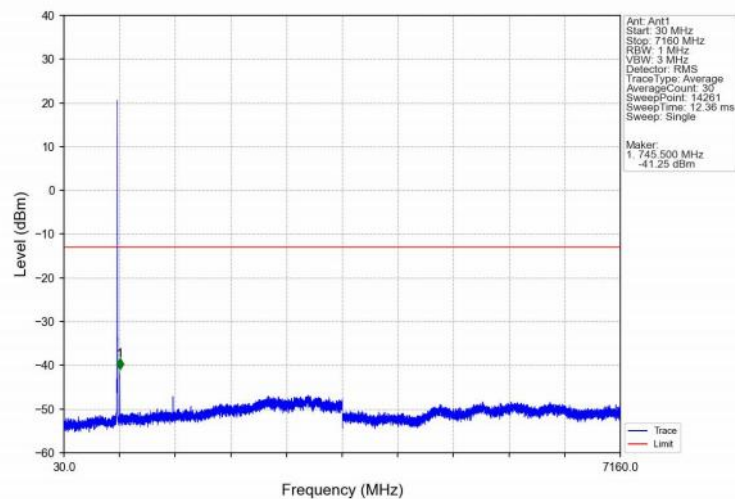
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



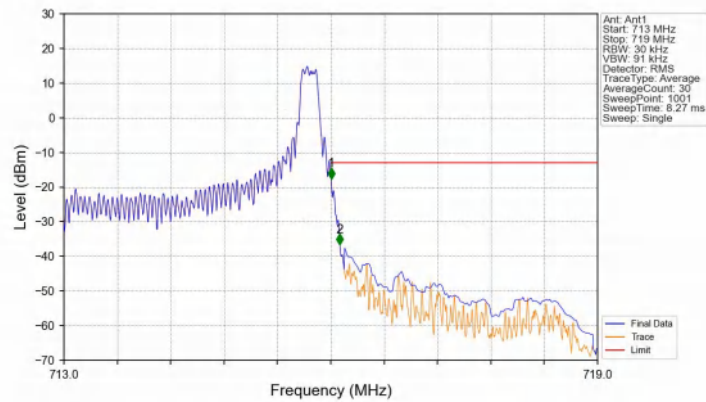
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

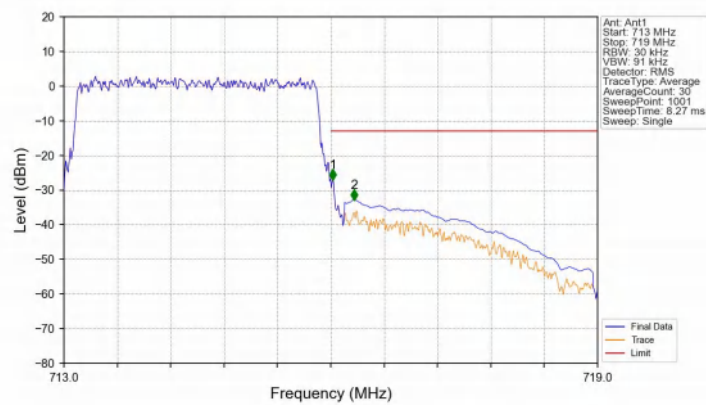


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



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	716.006	-17.58	-13	Pass
716.1	719	0.1	CHP	2	716.102	-36.53	-13	Pass

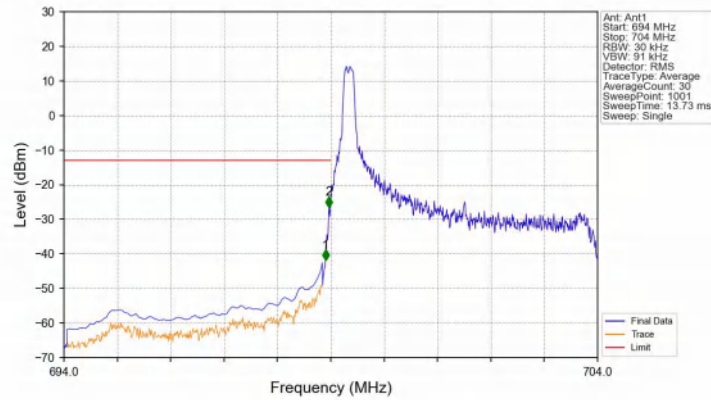
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



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	-27.15	-13	Pass
716.1	719	0.1	CHP	2	716.264	-32.89	-13	Pass

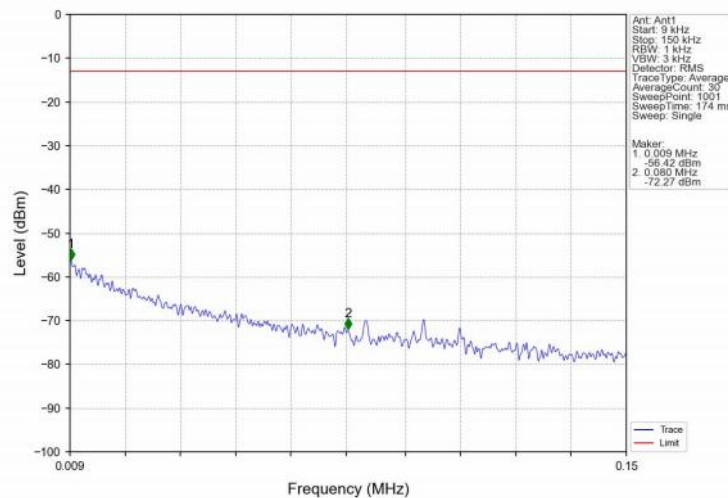
6.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

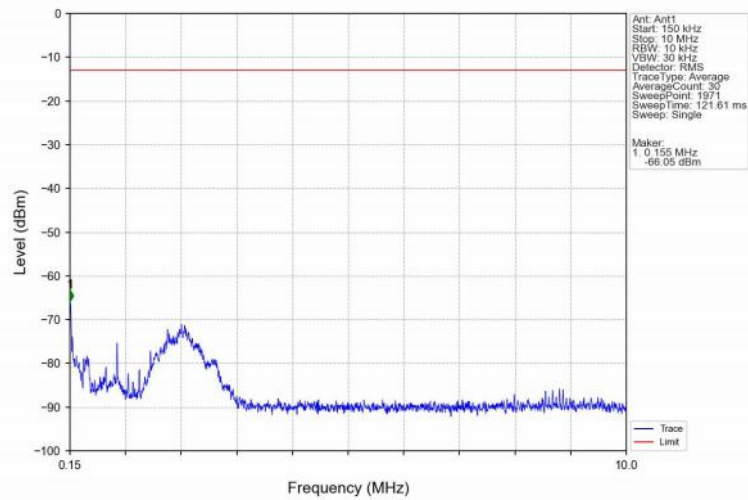


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.900	-41.94	-13	Pass
698.9	699	0.03	/	2	698.970	-26.50	-13	Pass
699	704	0.03	/	/	/	/	/	/

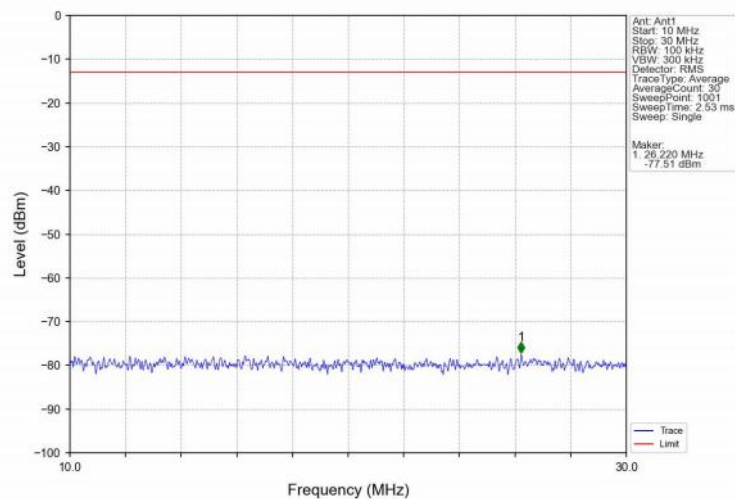
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



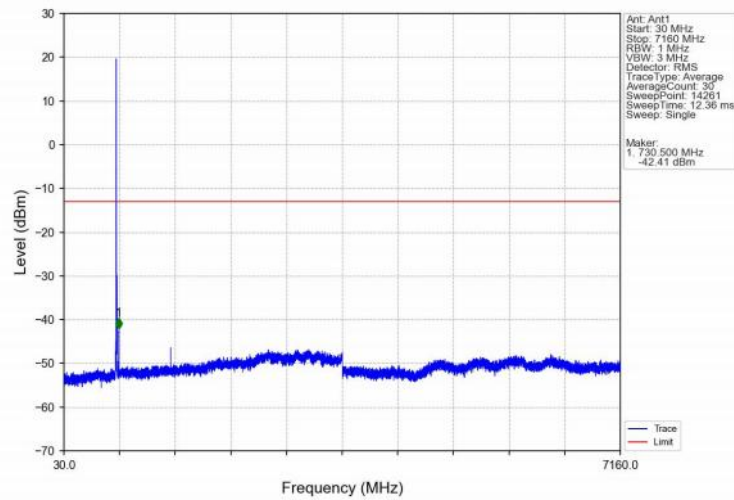
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



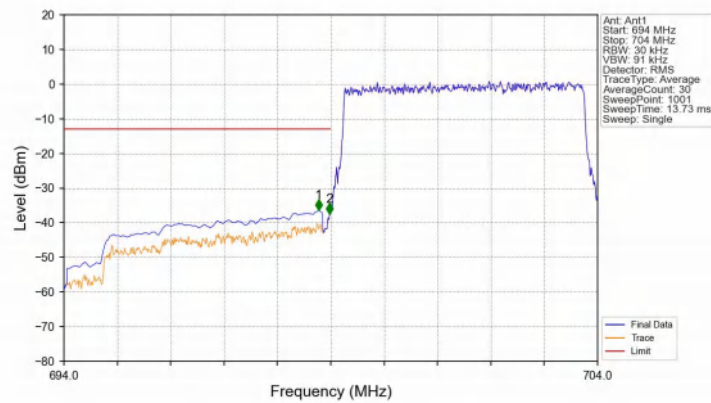
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

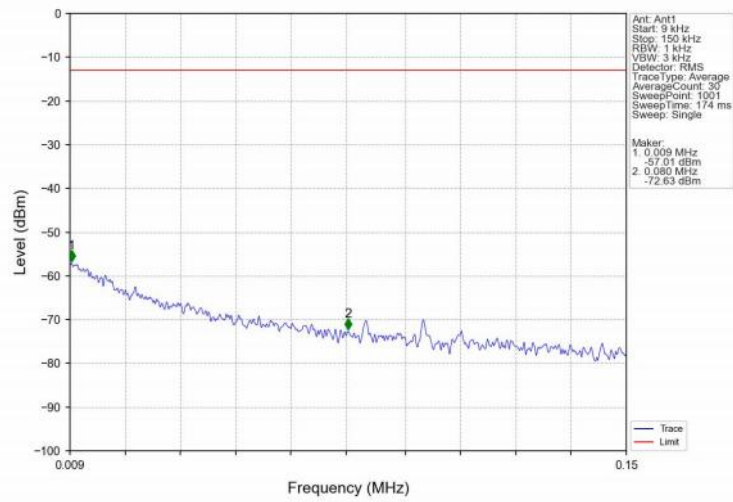


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

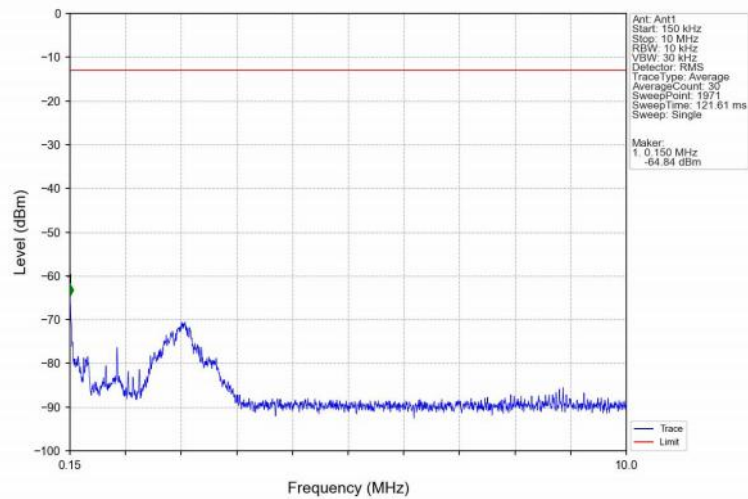


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.770	-36.40	-13	Pass
698.9	699	0.03	/	2	698.980	-37.50	-13	Pass
699	704	0.03	/	/	/	/	/	/

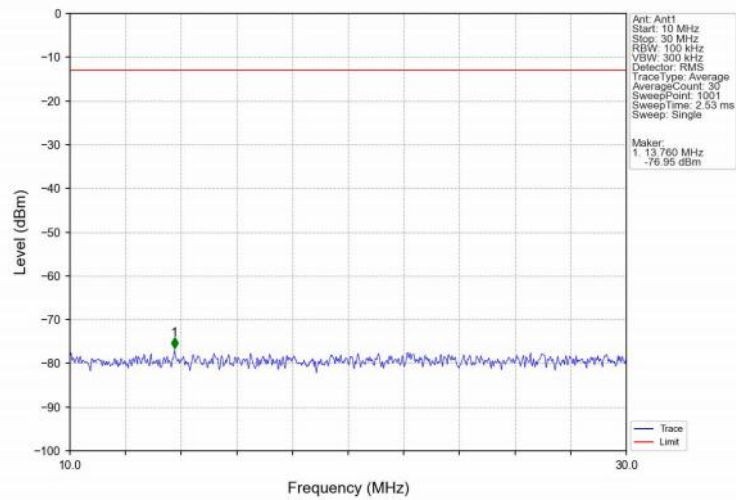
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



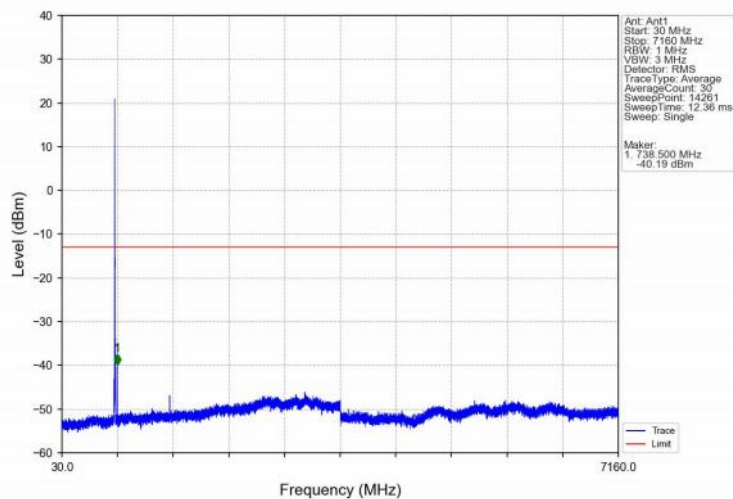
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



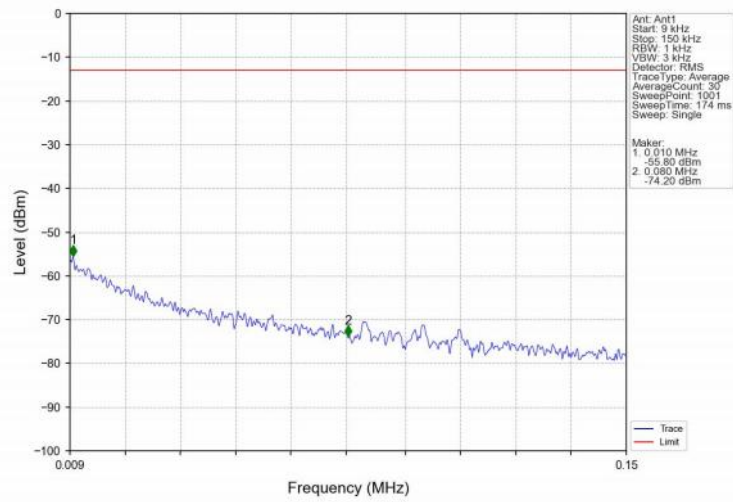
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



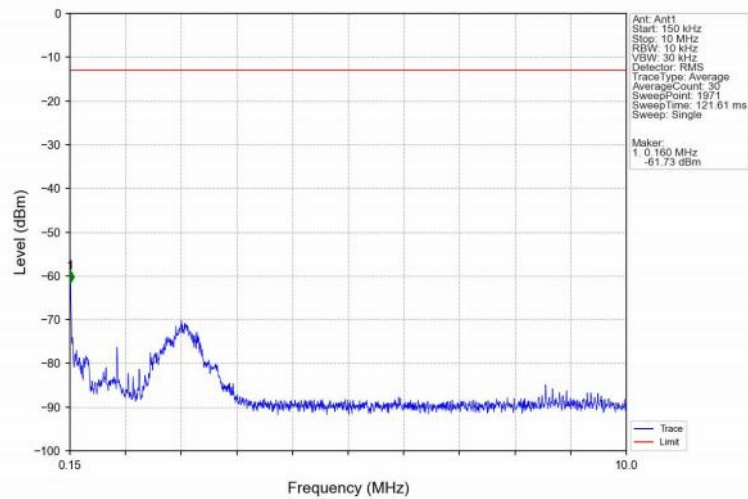
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



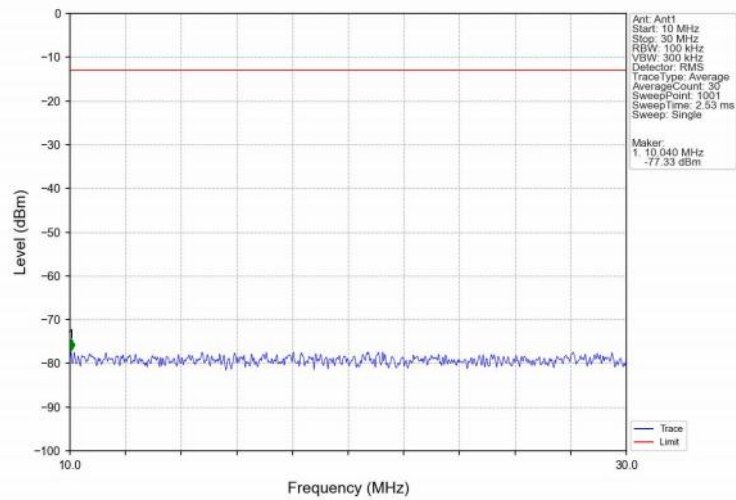
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



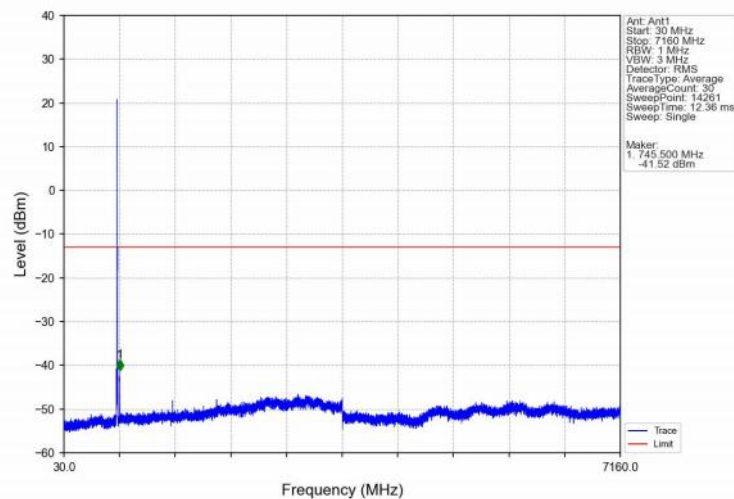
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



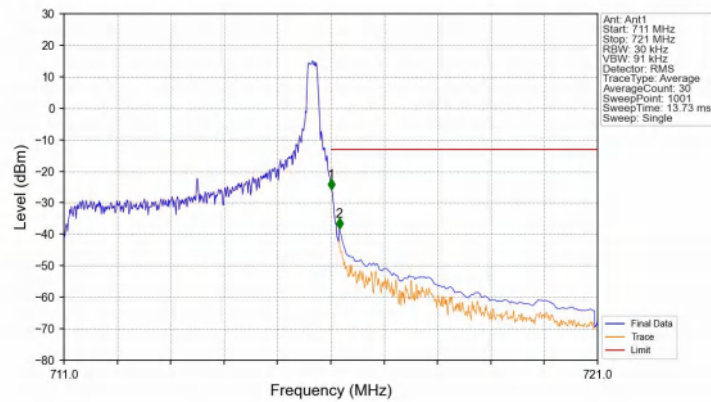
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

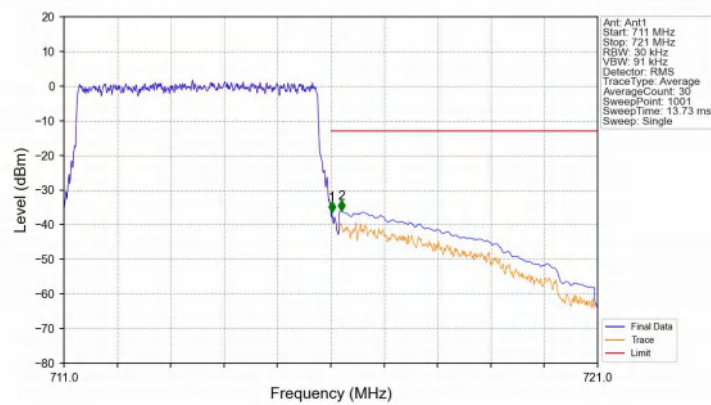


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



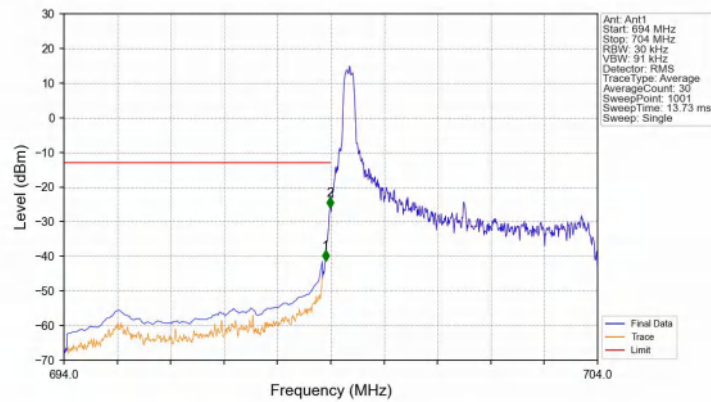
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-25.76	-13	Pass
716.1	721	0.1	CHP	2	716.160	-38.20	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



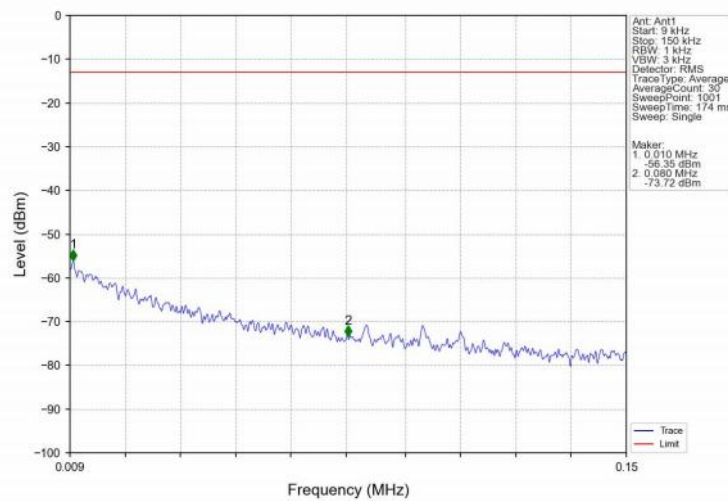
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-36.47	-13	Pass
716.1	721	0.1	CHP	2	716.200	-36.13	-13	Pass

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

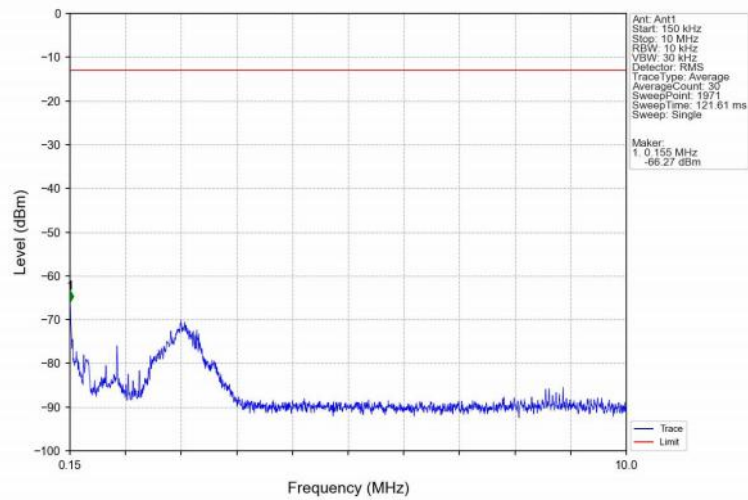


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.900	-41.27	-13	Pass
698.9	699	0.03	/	2	698.990	-26.04	-13	Pass
699	704	0.03	/	/	/	/	/	/

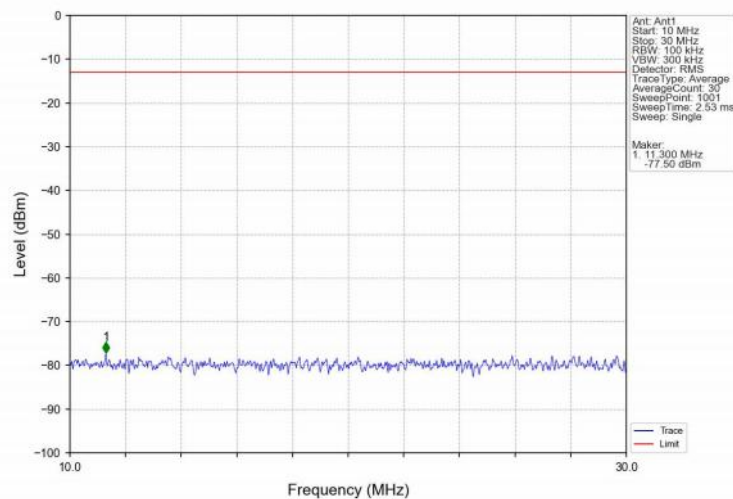
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



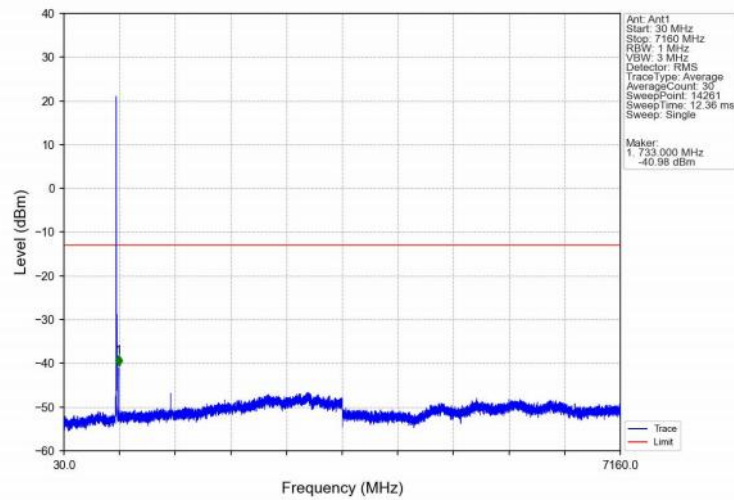
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



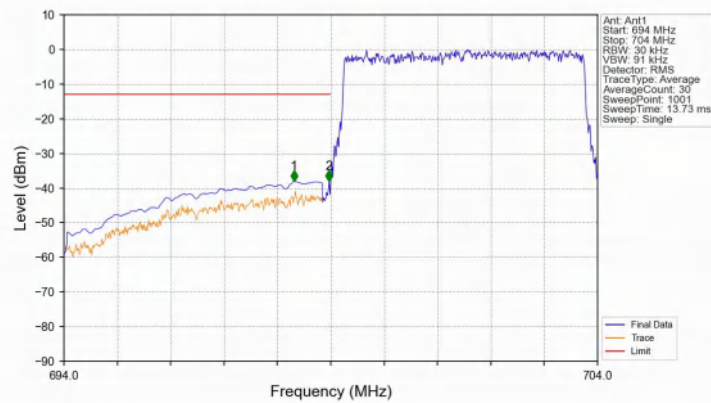
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

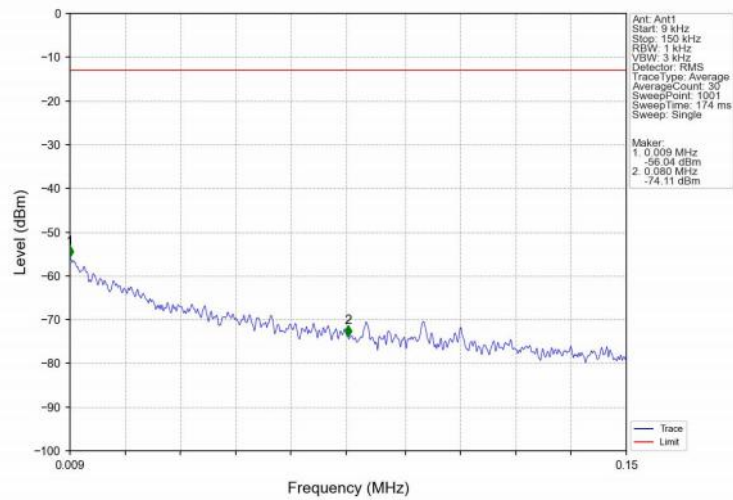


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

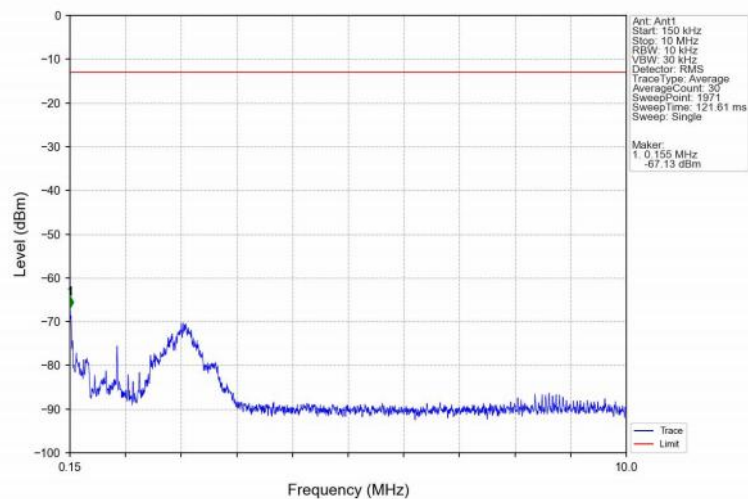


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.310	-37.98	-13	Pass
698.9	699	0.03	/	2	698.970	-37.95	-13	Pass
699	704	0.03	/	/	/	/	/	/

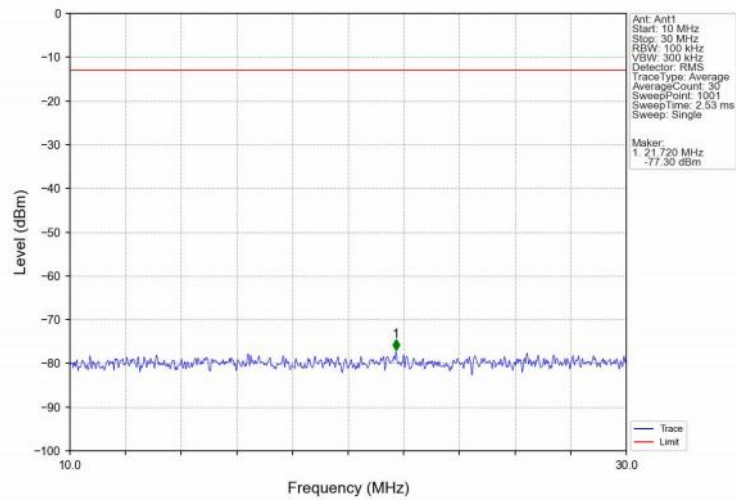
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



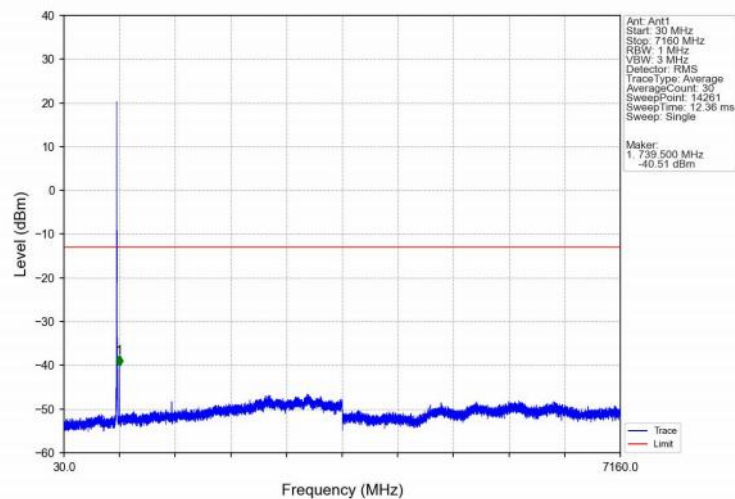
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



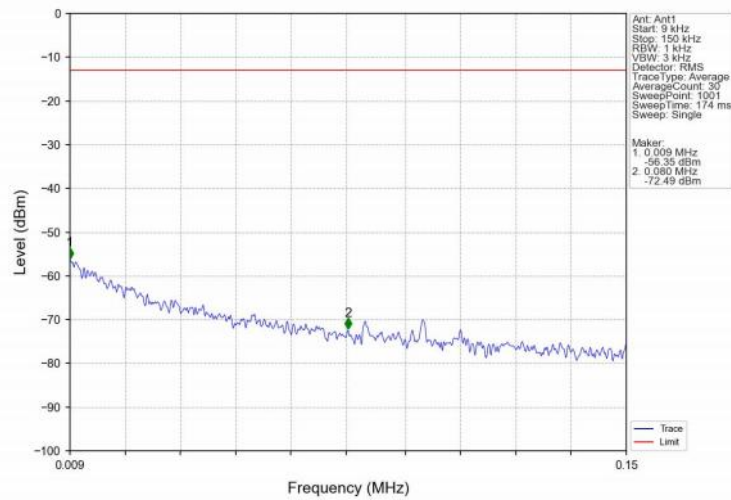
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



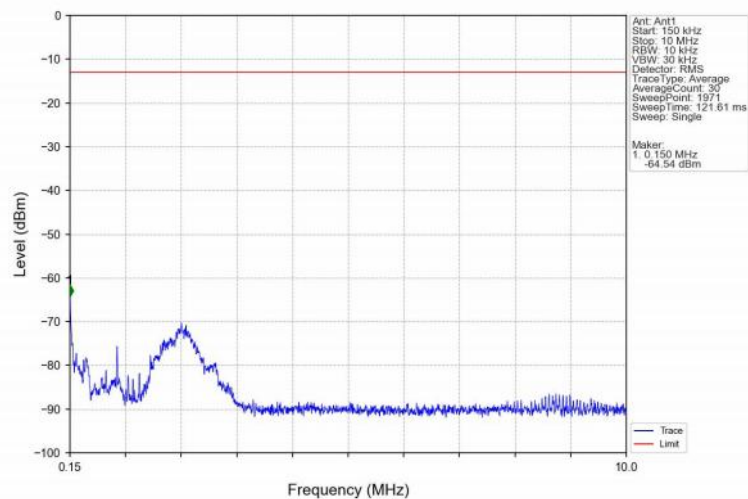
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



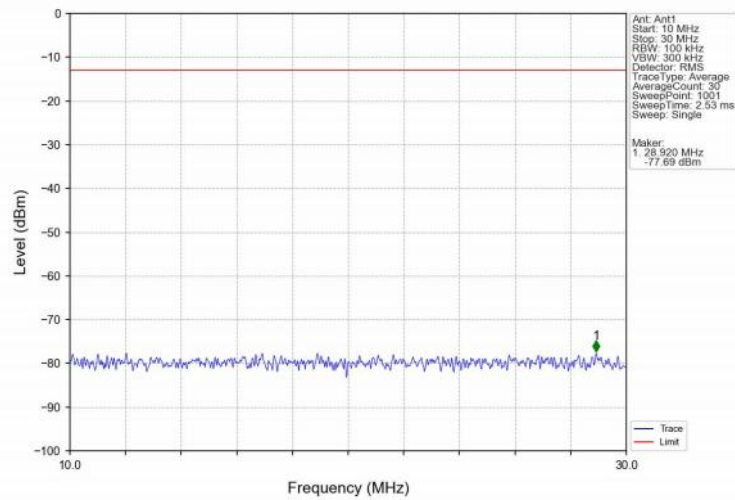
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



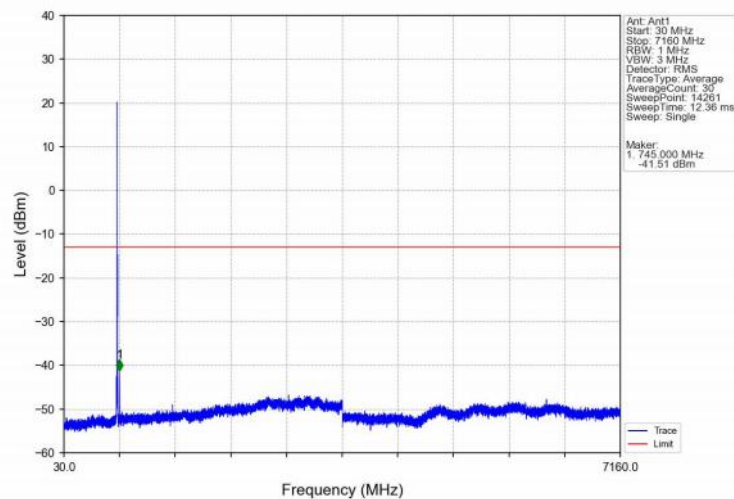
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



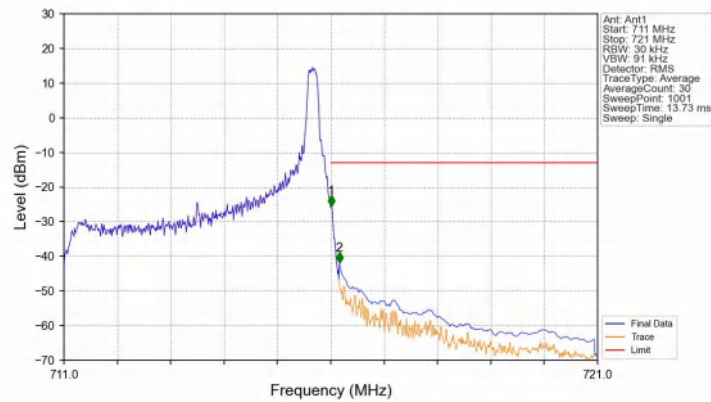
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

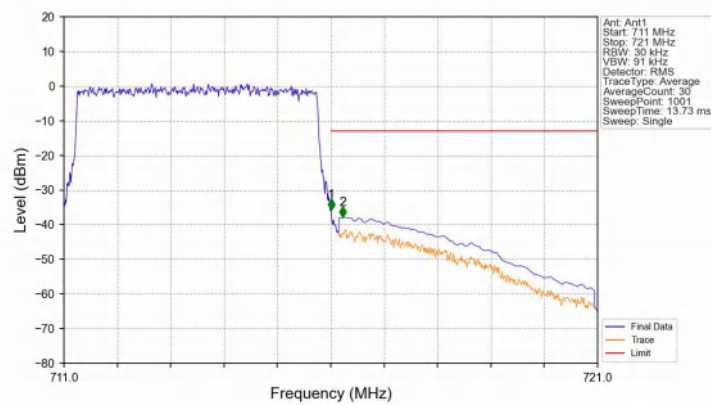


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-25.43	-13	Pass
716.1	721	0.1	CHP	2	716.160	-41.81	-13	Pass

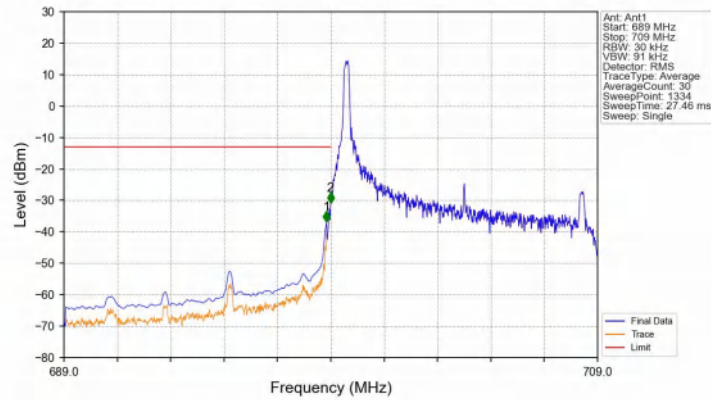
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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	-35.73	-13	Pass
716.1	721	0.1	CHP	2	716.230	-37.84	-13	Pass

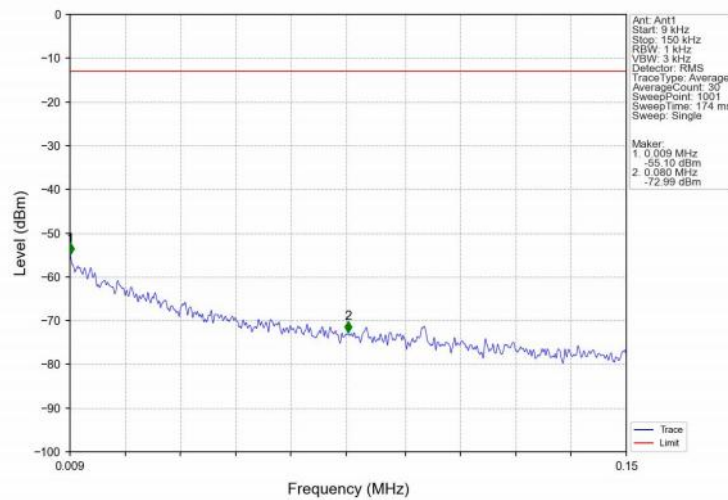
6.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

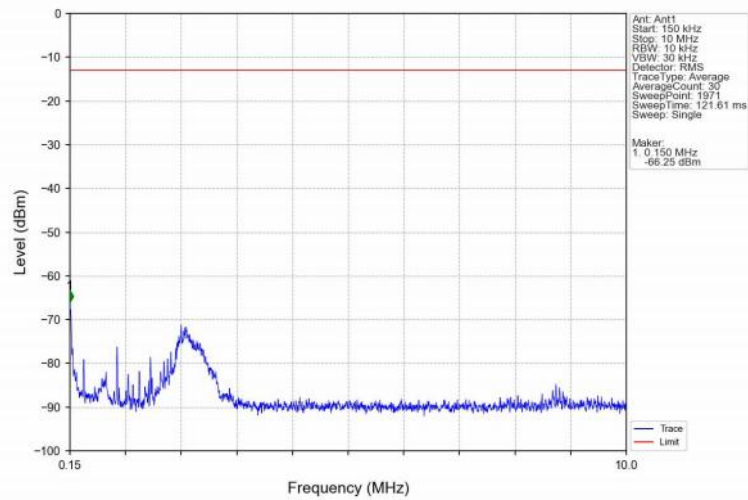


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-36.93	-13	Pass
698.9	699	0.03	/	2	698.992	-30.88	-13	Pass
699	709	0.03	/	/	/	/	/	/

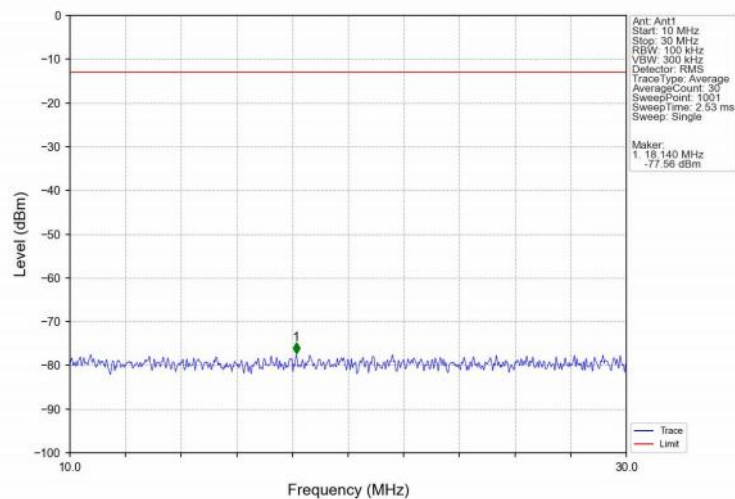
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



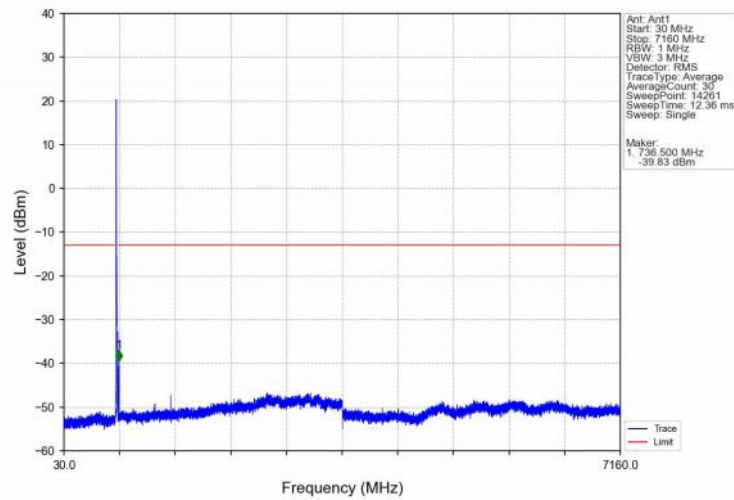
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



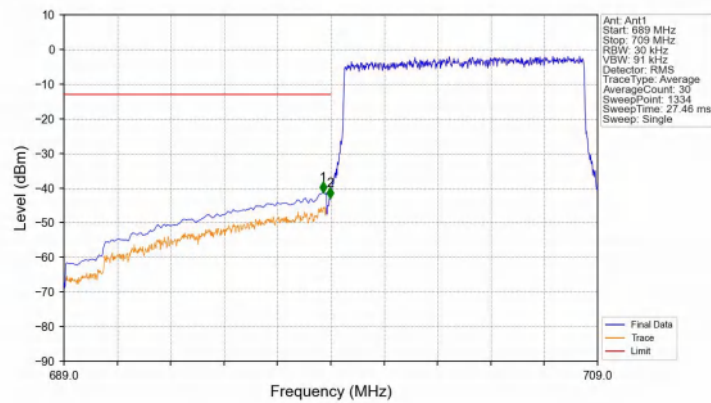
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

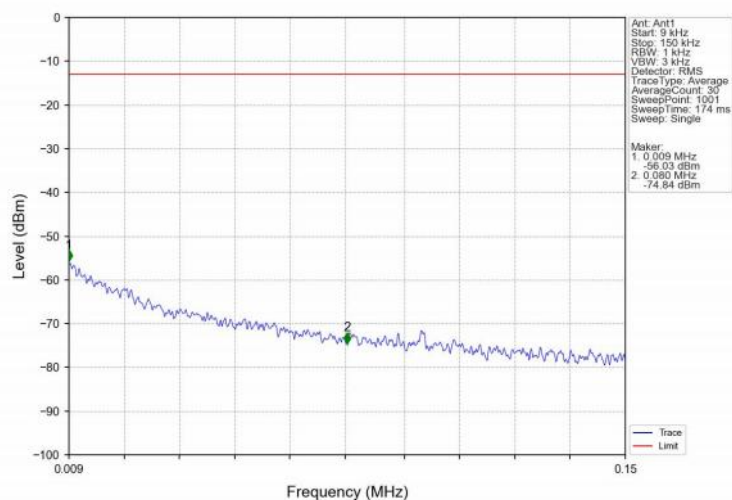


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

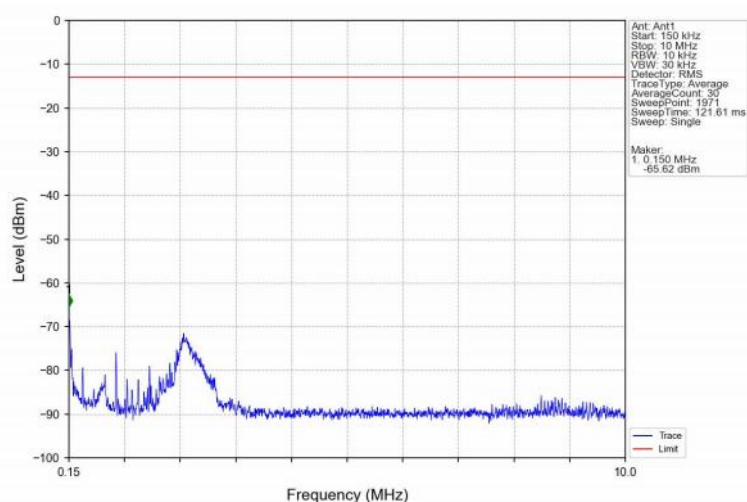


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.707	-41.35	-13	Pass
698.9	699	0.03	/	2	698.977	-42.90	-13	Pass
699	709	0.03	/	/	/	/	/	/

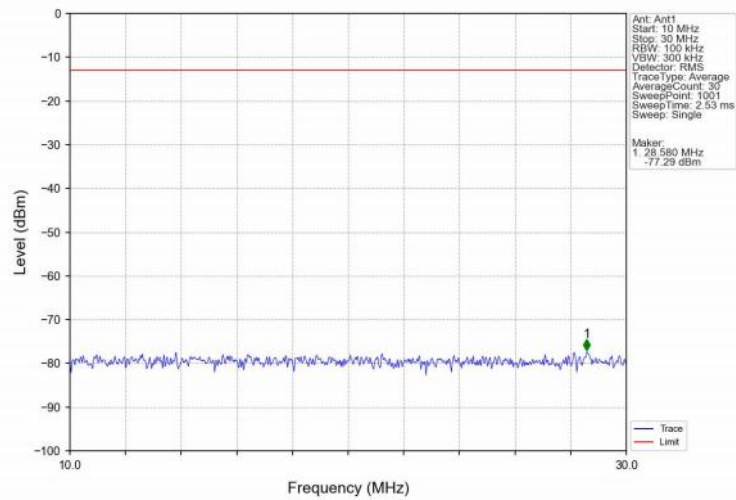
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



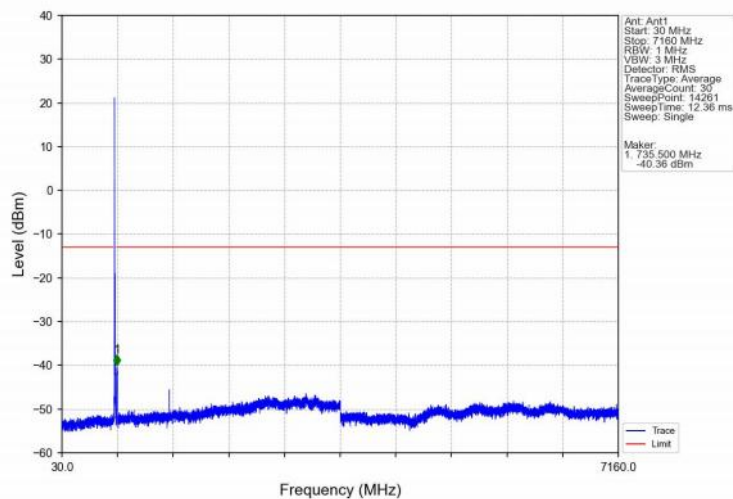
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



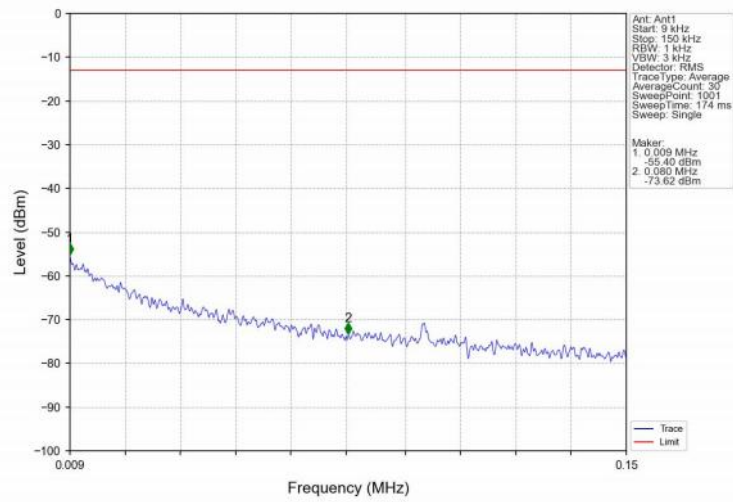
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



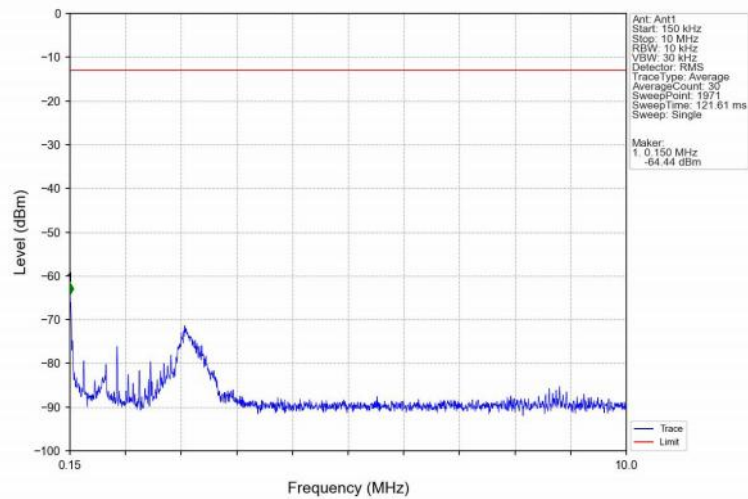
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



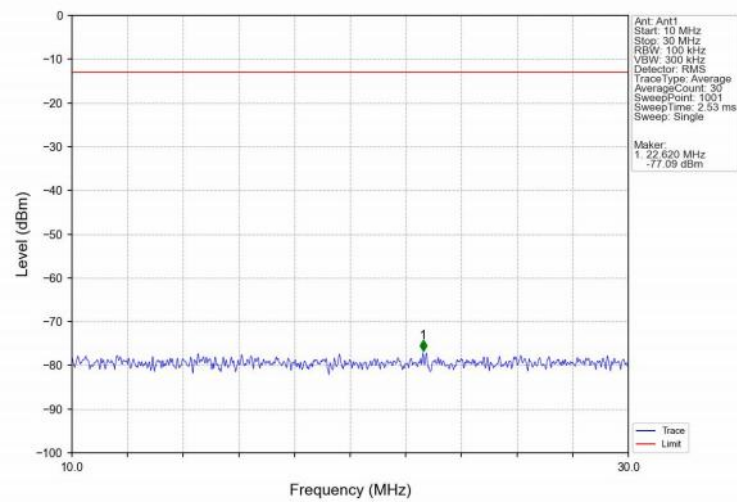
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



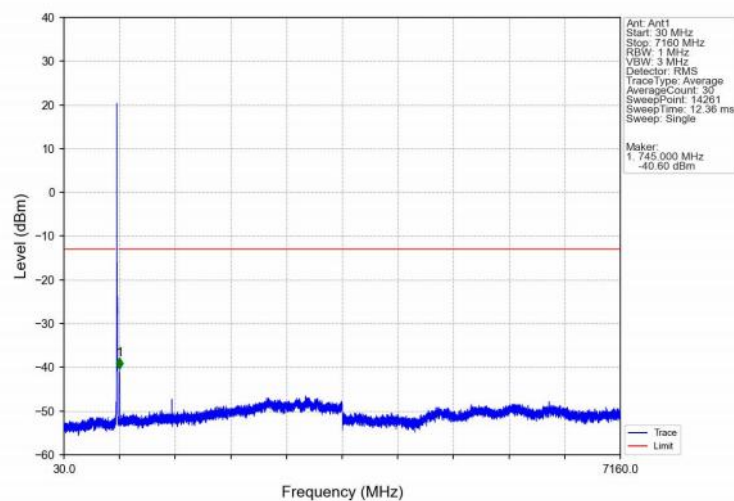
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



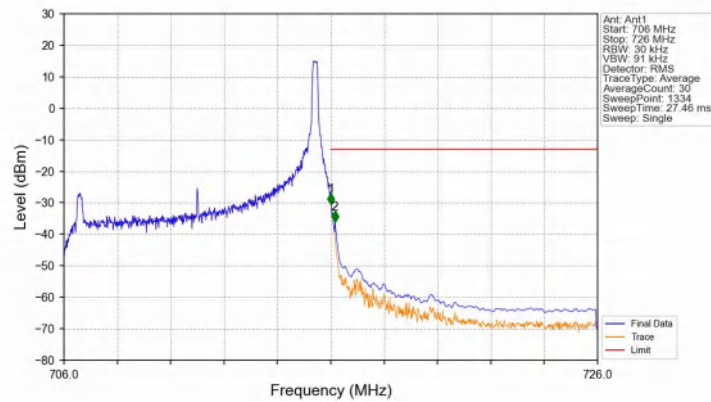
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

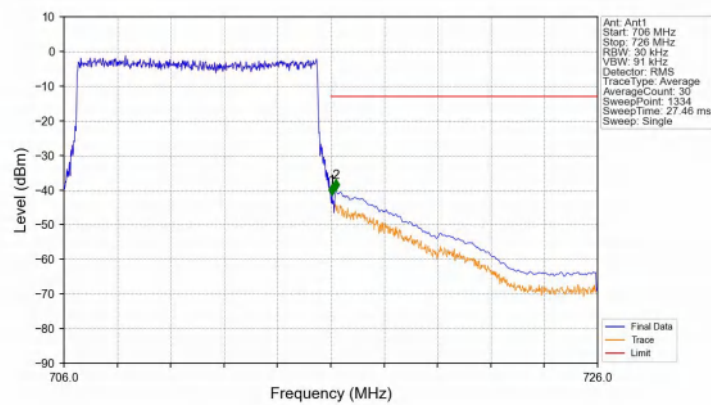


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



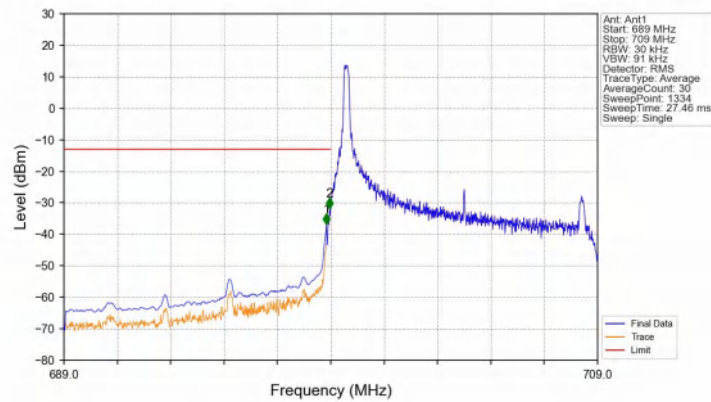
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-30.47	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.05	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

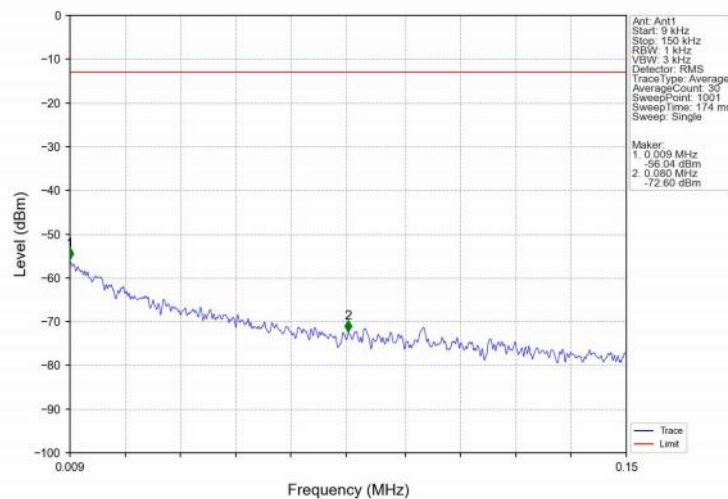


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-41.44	-13	Pass
716.1	726	0.1	CHP	2	716.188	-39.98	-13	Pass

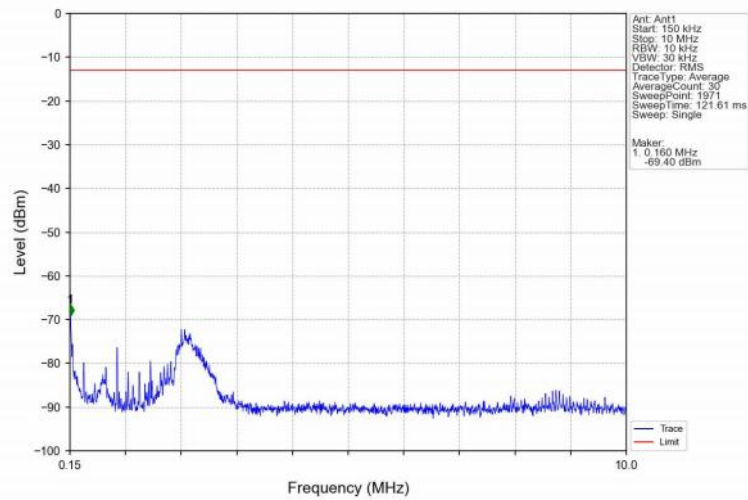
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



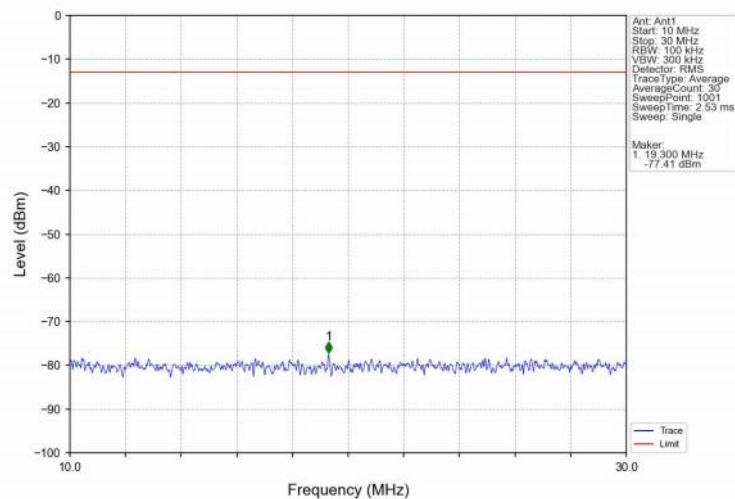
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



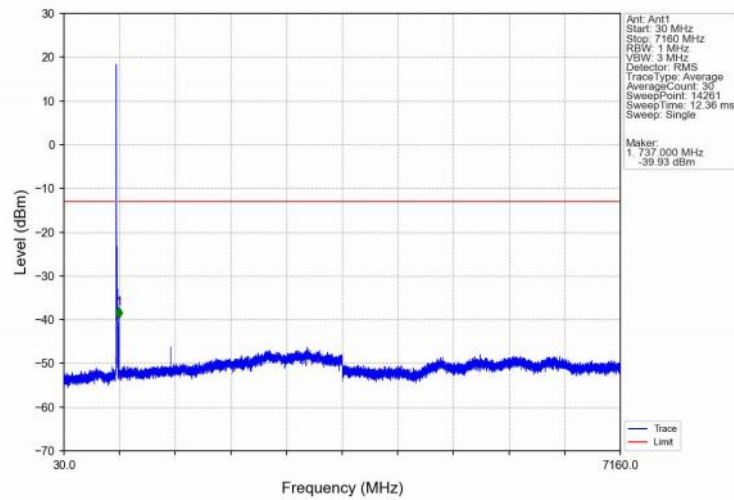
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



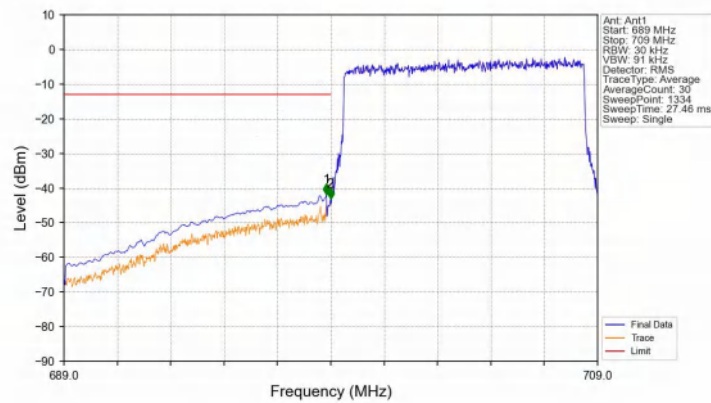
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

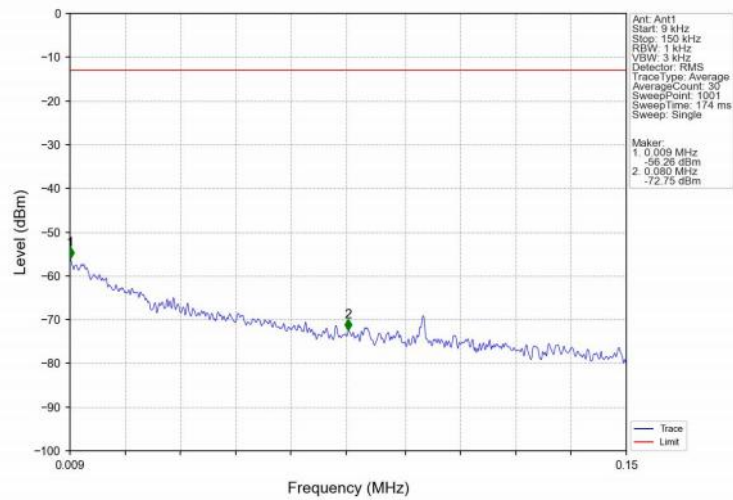


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

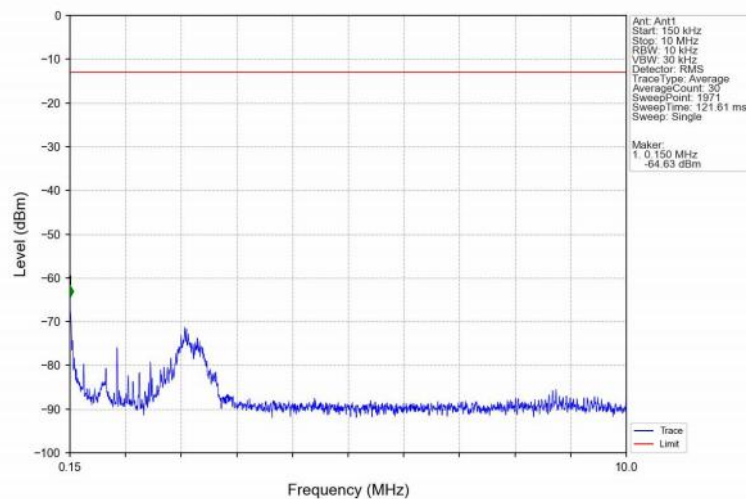


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-41.91	-13	Pass
698.9	699	0.03	/	2	698.992	-43.05	-13	Pass
699	709	0.03	/	/	/	/	/	/

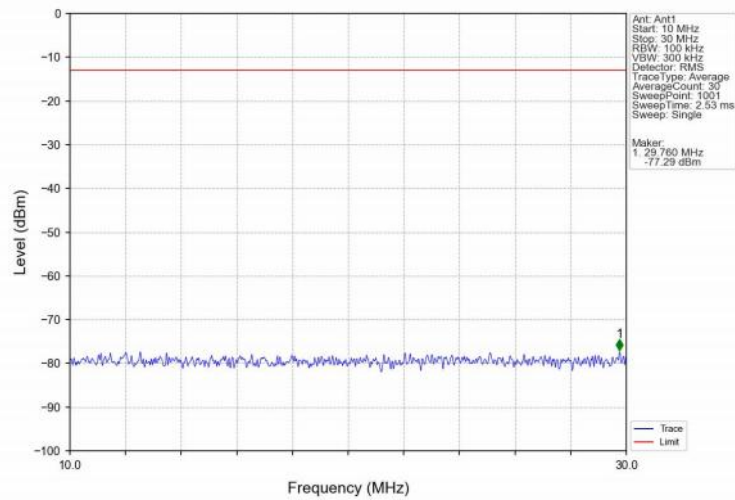
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



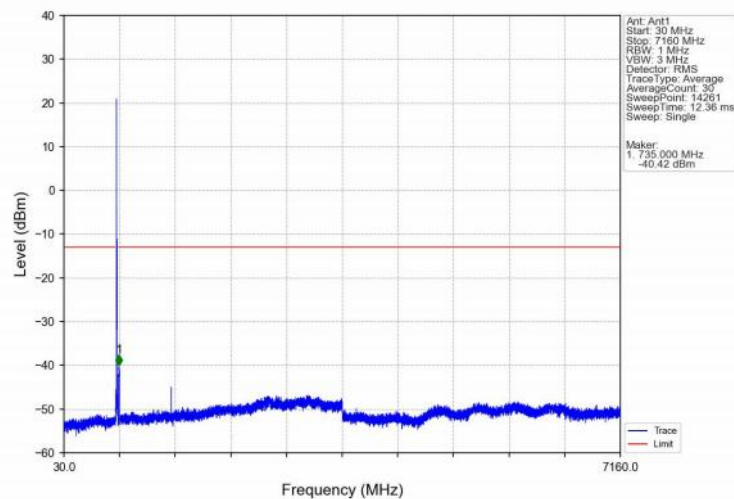
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



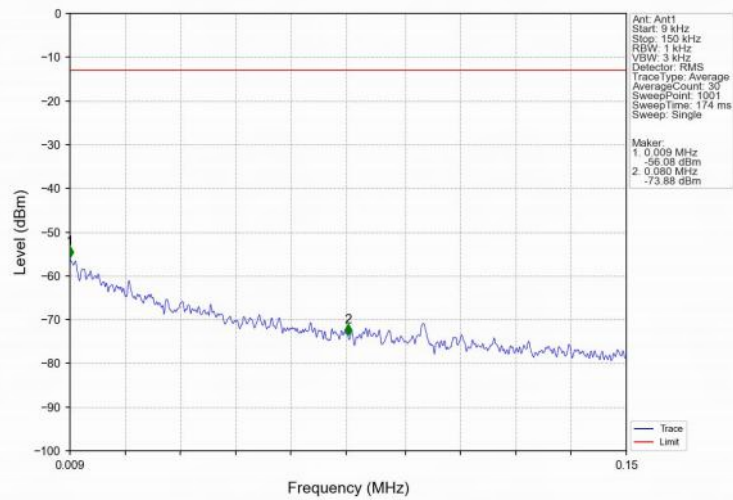
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



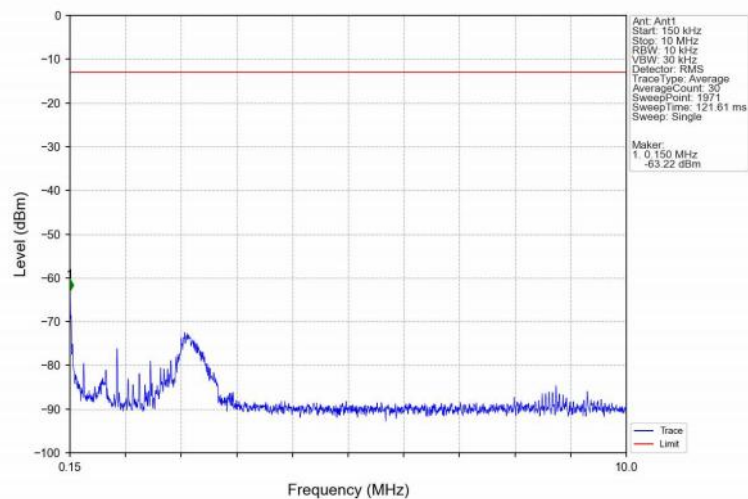
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



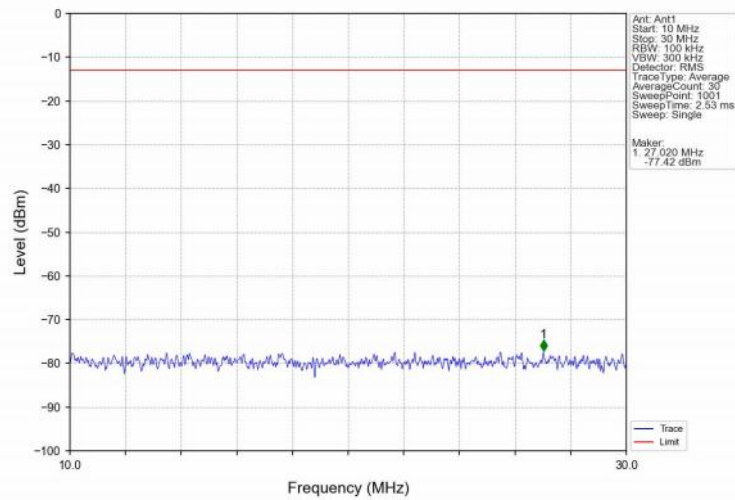
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



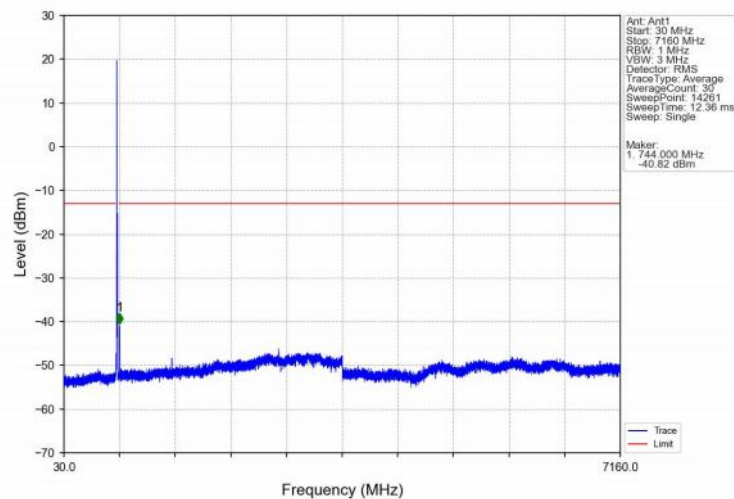
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



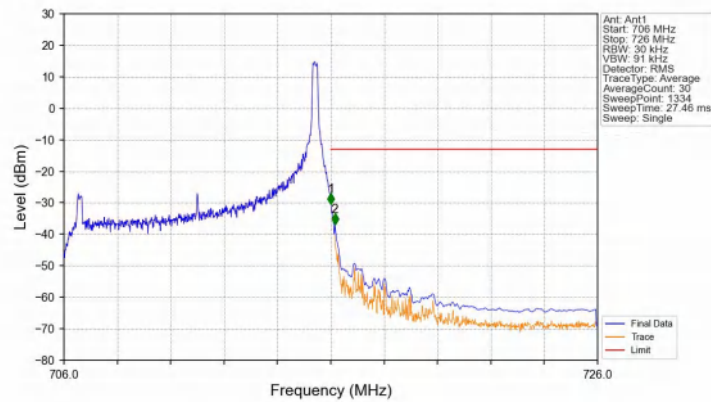
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

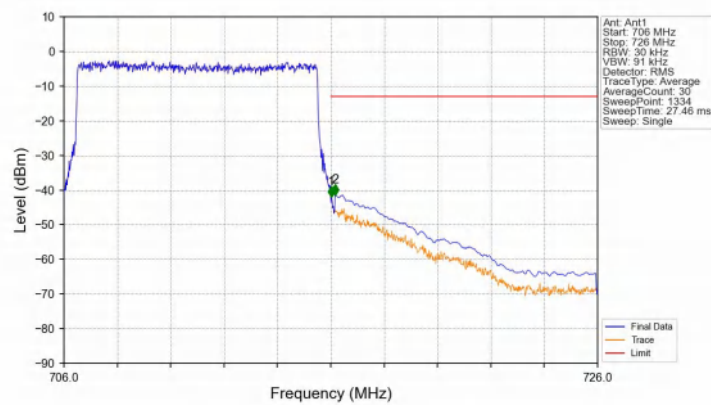


Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



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	-30.42	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.89	-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	716.023	-41.95	-13	Pass
716.1	726	0.1	CHP	2	716.173	-41.40	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.2023	0.0534	ppm	1M11G7D	27H	23.06
12	1.4	699.7	715.3	0.1866	0.0438	ppm	1M11W7D	27H	22.71
12	3	700.5	714.5	0.2018	0.0654	ppm	2M76G7D	27H	23.05
12	3	700.5	714.5	0.1905	0.0247	ppm	2M77W7D	27H	22.80
12	5	701.5	713.5	0.1982	0.0581	ppm	4M56G7D	27H	22.97
12	5	701.5	713.5	0.1742	0.0573	ppm	4M57W7D	27H	22.41
12	10	704	711	0.1995	0.0581	ppm	9M09G7D	27H	23.00
12	10	704	711	0.2183	0.0425	ppm	9M09W7D	27H	23.39

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1130	0.0534	ppm	1M11G7D	27H	20.53
12	1.4	699.7	715.3	0.1042	0.0438	ppm	1M11W7D	27H	20.18
12	3	700.5	714.5	0.1127	0.0654	ppm	2M76G7D	27H	20.52
12	3	700.5	714.5	0.1064	0.0247	ppm	2M77W7D	27H	20.27
12	5	701.5	713.5	0.1107	0.0581	ppm	4M56G7D	27H	20.44
12	5	701.5	713.5	0.0973	0.0573	ppm	4M57W7D	27H	19.88
12	10	704	711	0.1114	0.0581	ppm	9M09G7D	27H	20.47
12	10	704	711	0.1219	0.0425	ppm	9M09W7D	27H	20.86