

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	22.66	-1.9	18.61	<=34.77	Pass
			2	22.70	-1.9	18.65	<=34.77	Pass
			5	22.71	-1.9	18.66	<=34.77	Pass
		3	0	22.61	-1.9	18.56	<=34.77	Pass
			2	22.64	-1.9	18.59	<=34.77	Pass
			3	22.61	-1.9	18.56	<=34.77	Pass
		6	0	21.63	-1.9	17.58	<=34.77	Pass
	707.5	1	0	22.75	-1.9	18.70	<=34.77	Pass
			2	22.70	-1.9	18.65	<=34.77	Pass
			5	22.70	-1.9	18.65	<=34.77	Pass
		3	0	22.70	-1.9	18.65	<=34.77	Pass
			2	22.71	-1.9	18.66	<=34.77	Pass
			3	22.70	-1.9	18.65	<=34.77	Pass
		6	0	22.16	-1.9	18.11	<=34.77	Pass
	715.3	1	0	22.71	-1.9	18.66	<=34.77	Pass
			2	22.69	-1.9	18.64	<=34.77	Pass
			5	22.71	-1.9	18.66	<=34.77	Pass
		3	0	22.63	-1.9	18.58	<=34.77	Pass
			2	22.49	-1.9	18.44	<=34.77	Pass
			3	22.46	-1.9	18.41	<=34.77	Pass
		6	0	22.13	-1.9	18.08	<=34.77	Pass
16QAM	699.7	1	0	21.68	-1.9	17.63	<=34.77	Pass
			2	21.75	-1.9	17.70	<=34.77	Pass
			5	21.72	-1.9	17.67	<=34.77	Pass
		3	0	21.44	-1.9	17.39	<=34.77	Pass
			2	21.33	-1.9	17.28	<=34.77	Pass
			3	21.37	-1.9	17.32	<=34.77	Pass
		6	0	20.71	-1.9	16.66	<=34.77	Pass
	707.5	1	0	22.46	-1.9	18.41	<=34.77	Pass
			2	22.79	-1.9	18.74	<=34.77	Pass
			5	22.73	-1.9	18.68	<=34.77	Pass
		3	0	22.04	-1.9	17.99	<=34.77	Pass
			2	22.04	-1.9	17.99	<=34.77	Pass
			3	22.12	-1.9	18.07	<=34.77	Pass
		6	0	21.02	-1.9	16.97	<=34.77	Pass
	715.3	1	0	21.56	-1.9	17.51	<=34.77	Pass
			2	22.03	-1.9	17.98	<=34.77	Pass
			5	22.07	-1.9	18.02	<=34.77	Pass
		3	0	21.30	-1.9	17.25	<=34.77	Pass
			2	21.69	-1.9	17.64	<=34.77	Pass
			3	21.72	-1.9	17.67	<=34.77	Pass
		6	0	21.17	-1.9	17.12	<=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	22.52	-1.9	18.47	<=34.77	Pass
			7	22.62	-1.9	18.57	<=34.77	Pass
			14	22.55	-1.9	18.50	<=34.77	Pass
		8	0	21.46	-1.9	17.41	<=34.77	Pass
			4	21.52	-1.9	17.47	<=34.77	Pass
			7	21.56	-1.9	17.51	<=34.77	Pass
		15	0	21.59	-1.9	17.54	<=34.77	Pass
	707.5	1	0	22.68	-1.9	18.63	<=34.77	Pass
			7	22.67	-1.9	18.62	<=34.77	Pass
			14	22.73	-1.9	18.68	<=34.77	Pass
		8	0	21.72	-1.9	17.67	<=34.77	Pass
			4	22.01	-1.9	17.96	<=34.77	Pass
			7	22.10	-1.9	18.05	<=34.77	Pass
		15	0	22.15	-1.9	18.10	<=34.77	Pass
	714.5	1	0	22.74	-1.9	18.69	<=34.77	Pass
			7	22.66	-1.9	18.61	<=34.77	Pass
			14	22.54	-1.9	18.49	<=34.77	Pass
		8	0	21.74	-1.9	17.69	<=34.77	Pass
			4	21.72	-1.9	17.67	<=34.77	Pass
			7	22.12	-1.9	18.07	<=34.77	Pass
16QAM	700.5	1	0	21.95	-1.9	17.90	<=34.77	Pass
			7	22.00	-1.9	17.95	<=34.77	Pass
			14	21.96	-1.9	17.91	<=34.77	Pass
		8	0	20.69	-1.9	16.64	<=34.77	Pass
			4	20.75	-1.9	16.70	<=34.77	Pass
			7	20.63	-1.9	16.58	<=34.77	Pass
		15	0	20.43	-1.9	16.38	<=34.77	Pass
	707.5	1	0	21.77	-1.9	17.72	<=34.77	Pass
			7	22.09	-1.9	18.04	<=34.77	Pass
			14	22.06	-1.9	18.01	<=34.77	Pass
		8	0	20.83	-1.9	16.78	<=34.77	Pass
			4	21.10	-1.9	17.05	<=34.77	Pass
			7	21.40	-1.9	17.35	<=34.77	Pass
		15	0	20.93	-1.9	16.88	<=34.77	Pass
	714.5	1	0	22.87	-1.9	18.82	<=34.77	Pass
			7	22.72	-1.9	18.67	<=34.77	Pass
			14	22.65	-1.9	18.60	<=34.77	Pass
		8	0	21.22	-1.9	17.17	<=34.77	Pass
			4	21.19	-1.9	17.14	<=34.77	Pass
			7	21.23	-1.9	17.18	<=34.77	Pass
		15	0	21.21	-1.9	17.16	<=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	22.60	-1.9	18.55	<=34.77	Pass
			13	22.56	-1.9	18.51	<=34.77	Pass
			24	22.68	-1.9	18.63	<=34.77	Pass
		12	0	21.66	-1.9	17.61	<=34.77	Pass
			6	21.65	-1.9	17.60	<=34.77	Pass
			13	21.69	-1.9	17.64	<=34.77	Pass
		25	0	21.72	-1.9	17.67	<=34.77	Pass

16QAM	707.5	1	0	22.58	-1.9	18.53	<=34.77	Pass
			13	22.44	-1.9	18.39	<=34.77	Pass
			24	22.52	-1.9	18.47	<=34.77	Pass
		12	0	21.75	-1.9	17.70	<=34.77	Pass
			6	22.03	-1.9	17.98	<=34.77	Pass
			13	22.00	-1.9	17.95	<=34.77	Pass
		25	0	22.11	-1.9	18.06	<=34.77	Pass
	713.5	1	0	22.68	-1.9	18.63	<=34.77	Pass
			13	22.71	-1.9	18.66	<=34.77	Pass
			24	22.67	-1.9	18.62	<=34.77	Pass
		12	0	21.74	-1.9	17.69	<=34.77	Pass
			6	21.93	-1.9	17.88	<=34.77	Pass
			13	21.90	-1.9	17.85	<=34.77	Pass
		25	0	21.99	-1.9	17.94	<=34.77	Pass
16QAM	701.5	1	0	21.64	-1.9	17.59	<=34.77	Pass
			13	21.58	-1.9	17.53	<=34.77	Pass
			24	21.76	-1.9	17.71	<=34.77	Pass
		12	0	20.67	-1.9	16.62	<=34.77	Pass
			6	20.60	-1.9	16.55	<=34.77	Pass
			13	20.57	-1.9	16.52	<=34.77	Pass
		25	0	20.77	-1.9	16.72	<=34.77	Pass
	707.5	1	0	22.33	-1.9	18.28	<=34.77	Pass
			13	22.67	-1.9	18.62	<=34.77	Pass
			24	22.27	-1.9	18.22	<=34.77	Pass
		12	0	20.85	-1.9	16.80	<=34.77	Pass
			6	21.13	-1.9	17.08	<=34.77	Pass
			13	21.09	-1.9	17.04	<=34.77	Pass
		25	0	21.16	-1.9	17.11	<=34.77	Pass
	713.5	1	0	22.17	-1.9	18.12	<=34.77	Pass
			13	22.28	-1.9	18.23	<=34.77	Pass
			24	22.61	-1.9	18.56	<=34.77	Pass
		12	0	21.01	-1.9	16.96	<=34.77	Pass
			6	21.06	-1.9	17.01	<=34.77	Pass
			13	21.07	-1.9	17.02	<=34.77	Pass
		25	0	21.14	-1.9	17.09	<=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	22.63	-1.9	18.58	<=34.77	Pass
			25	22.77	-1.9	18.72	<=34.77	Pass
			49	22.81	-1.9	18.76	<=34.77	Pass
		25	0	21.72	-1.9	17.67	<=34.77	Pass
			13	21.91	-1.9	17.86	<=34.77	Pass
			25	21.73	-1.9	17.68	<=34.77	Pass
	707.5	50	0	21.68	-1.9	17.63	<=34.77	Pass
		1	0	22.69	-1.9	18.64	<=34.77	Pass
			25	22.81	-1.9	18.76	<=34.77	Pass
			49	22.94	-1.9	18.89	<=34.77	Pass
		25	0	21.73	-1.9	17.68	<=34.77	Pass
			13	22.12	-1.9	18.07	<=34.77	Pass
			25	21.68	-1.9	17.63	<=34.77	Pass
		50	0	22.02	-1.9	17.97	<=34.77	Pass
	711	1	0	22.90	-1.9	18.85	<=34.77	Pass
			25	22.75	-1.9	18.70	<=34.77	Pass

16QAM	704	25	49	22.81	-1.9	18.76	<=34.77	Pass
			0	22.10	-1.9	18.05	<=34.77	Pass
			13	21.58	-1.9	17.53	<=34.77	Pass
			25	22.00	-1.9	17.95	<=34.77	Pass
		50	0	21.59	-1.9	17.54	<=34.77	Pass
	707.5	1	0	21.78	-1.9	17.73	<=34.77	Pass
			25	21.97	-1.9	17.92	<=34.77	Pass
			49	22.24	-1.9	18.19	<=34.77	Pass
		25	0	20.58	-1.9	16.53	<=34.77	Pass
			13	20.56	-1.9	16.51	<=34.77	Pass
			25	20.82	-1.9	16.77	<=34.77	Pass
		50	0	20.55	-1.9	16.50	<=34.77	Pass
	711	1	0	21.52	-1.9	17.47	<=34.77	Pass
			25	21.91	-1.9	17.86	<=34.77	Pass
			49	21.77	-1.9	17.72	<=34.77	Pass
		25	0	20.88	-1.9	16.83	<=34.77	Pass
			13	21.04	-1.9	16.99	<=34.77	Pass
			25	20.74	-1.9	16.69	<=34.77	Pass
		50	0	21.01	-1.9	16.96	<=34.77	Pass
	711	1	0	22.30	-1.9	18.25	<=34.77	Pass
			25	22.20	-1.9	18.15	<=34.77	Pass
			49	22.64	-1.9	18.59	<=34.77	Pass
		25	0	21.16	-1.9	17.11	<=34.77	Pass
			13	20.75	-1.9	16.70	<=34.77	Pass
			25	21.20	-1.9	17.15	<=34.77	Pass
		50	0	20.64	-1.9	16.59	<=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	22.731	0.0325	-2.5 to 2.5	Pass
					3.85	43.087	0.0616	-2.5 to 2.5	Pass
					4.43	30.355	0.0434	-2.5 to 2.5	Pass
				-30	3.85	14.462	0.0207	-2.5 to 2.5	Pass
				-20	3.85	33.445	0.0478	-2.5 to 2.5	Pass
				-10	3.85	2.360	0.0034	-2.5 to 2.5	Pass
				0	3.85	17.052	0.0244	-2.5 to 2.5	Pass
				10	3.85	29.941	0.0428	-2.5 to 2.5	Pass
				30	3.85	41.943	0.0599	-2.5 to 2.5	Pass
				40	3.85	9.656	0.0138	-2.5 to 2.5	Pass
				50	3.85	18.182	0.0260	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-40.698	-0.0575	-2.5 to 2.5	Pass
					3.85	10.242	0.0145	-2.5 to 2.5	Pass
					4.43	37.351	0.0528	-2.5 to 2.5	Pass
				-30	3.85	7.439	0.0105	-2.5 to 2.5	Pass
				-20	3.85	22.702	0.0321	-2.5 to 2.5	Pass
				-10	3.85	36.850	0.0521	-2.5 to 2.5	Pass
				0	3.85	37.150	0.0525	-2.5 to 2.5	Pass
				10	3.85	20.170	0.0285	-2.5 to 2.5	Pass

	715.3	6	0	30	3.85	26.565	0.0375	-2.5 to 2.5	Pass
				40	3.85	39.010	0.0551	-2.5 to 2.5	Pass
				50	3.85	50.383	0.0712	-2.5 to 2.5	Pass
				20	3.27	-3.104	-0.0043	-2.5 to 2.5	Pass
					3.85	-29.168	-0.0408	-2.5 to 2.5	Pass
					4.43	5.336	0.0075	-2.5 to 2.5	Pass
				-30	3.85	43.974	0.0615	-2.5 to 2.5	Pass
				-20	3.85	24.819	0.0347	-2.5 to 2.5	Pass
				-10	3.85	11.787	0.0165	-2.5 to 2.5	Pass
				0	3.85	44.031	0.0616	-2.5 to 2.5	Pass
				10	3.85	25.849	0.0361	-2.5 to 2.5	Pass
				30	3.85	-2.646	-0.0037	-2.5 to 2.5	Pass
				40	3.85	29.526	0.0413	-2.5 to 2.5	Pass
				50	3.85	12.116	0.0169	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	29.812	0.0426	-2.5 to 2.5	Pass
					3.85	35.405	0.0506	-2.5 to 2.5	Pass
					4.43	36.592	0.0523	-2.5 to 2.5	Pass
				-30	3.85	41.571	0.0594	-2.5 to 2.5	Pass
				-20	3.85	44.160	0.0631	-2.5 to 2.5	Pass
				-10	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass
				0	3.85	2.918	0.0042	-2.5 to 2.5	Pass
				10	3.85	3.047	0.0044	-2.5 to 2.5	Pass
				30	3.85	3.262	0.0047	-2.5 to 2.5	Pass
				40	3.85	4.063	0.0058	-2.5 to 2.5	Pass
				50	3.85	8.125	0.0116	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	8.626	0.0122	-2.5 to 2.5	Pass
					3.85	15.292	0.0216	-2.5 to 2.5	Pass
					4.43	15.321	0.0217	-2.5 to 2.5	Pass
				-30	3.85	10.328	0.0146	-2.5 to 2.5	Pass
				-20	3.85	12.574	0.0178	-2.5 to 2.5	Pass
				-10	3.85	10.872	0.0154	-2.5 to 2.5	Pass
				0	3.85	11.272	0.0159	-2.5 to 2.5	Pass
				10	3.85	11.415	0.0161	-2.5 to 2.5	Pass
				30	3.85	14.033	0.0198	-2.5 to 2.5	Pass
				40	3.85	19.283	0.0273	-2.5 to 2.5	Pass
				50	3.85	21.758	0.0308	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	7.024	0.0098	-2.5 to 2.5	Pass
					3.85	38.109	0.0533	-2.5 to 2.5	Pass
					4.43	8.855	0.0124	-2.5 to 2.5	Pass
				-30	3.85	25.377	0.0355	-2.5 to 2.5	Pass
				-20	3.85	46.778	0.0654	-2.5 to 2.5	Pass
				-10	3.85	20.084	0.0281	-2.5 to 2.5	Pass
				0	3.85	42.143	0.0589	-2.5 to 2.5	Pass
				10	3.85	12.503	0.0175	-2.5 to 2.5	Pass
				30	3.85	34.132	0.0477	-2.5 to 2.5	Pass
				40	3.85	6.738	0.0094	-2.5 to 2.5	Pass
				50	3.85	27.051	0.0378	-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	-19.169	-0.0274	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
					4.43	36.564	0.0522	-2.5 to 2.5	Pass
				-30	3.85	8.469	0.0121	-2.5 to 2.5	Pass
				-20	3.85	22.244	0.0318	-2.5 to 2.5	Pass

				-10	3.85	34.733	0.0496	-2.5 to 2.5	Pass	
				0	3.85	37.909	0.0541	-2.5 to 2.5	Pass	
				10	3.85	41.871	0.0598	-2.5 to 2.5	Pass	
				30	3.85	10.643	0.0152	-2.5 to 2.5	Pass	
				40	3.85	17.066	0.0244	-2.5 to 2.5	Pass	
				50	3.85	16.322	0.0233	-2.5 to 2.5	Pass	
	707.5	15	0	20	3.27	-23.832	-0.0337	-2.5 to 2.5	Pass	
					3.85	-13.118	-0.0185	-2.5 to 2.5	Pass	
					4.43	19.441	0.0275	-2.5 to 2.5	Pass	
				-30	3.85	42.429	0.0600	-2.5 to 2.5	Pass	
				-20	3.85	11.086	0.0157	-2.5 to 2.5	Pass	
				-10	3.85	21.558	0.0305	-2.5 to 2.5	Pass	
				0	3.85	33.603	0.0475	-2.5 to 2.5	Pass	
				10	3.85	47.565	0.0672	-2.5 to 2.5	Pass	
				30	3.85	19.684	0.0278	-2.5 to 2.5	Pass	
				40	3.85	28.095	0.0397	-2.5 to 2.5	Pass	
				50	3.85	39.725	0.0561	-2.5 to 2.5	Pass	
				714.5	15	0	20	3.27	-14.248	-0.0199
	3.85	-7.381	-0.0103					-2.5 to 2.5	Pass	
	4.43	37.966	0.0531					-2.5 to 2.5	Pass	
	-30	3.85	18.668				0.0261	-2.5 to 2.5	Pass	
	-20	3.85	10.085				0.0141	-2.5 to 2.5	Pass	
	-10	3.85	26.522				0.0371	-2.5 to 2.5	Pass	
	0	3.85	47.894				0.0670	-2.5 to 2.5	Pass	
	10	3.85	18.897				0.0264	-2.5 to 2.5	Pass	
	30	3.85	31.757				0.0444	-2.5 to 2.5	Pass	
	40	3.85	8.640				0.0121	-2.5 to 2.5	Pass	
	50	3.85	27.037				0.0378	-2.5 to 2.5	Pass	
	16QAM	700.5	15				0	20	3.27	20.971
				3.85	26.393	0.0377			-2.5 to 2.5	Pass
4.43				18.654	0.0266	-2.5 to 2.5			Pass	
-30				3.85	19.526	0.0279		-2.5 to 2.5	Pass	
-20				3.85	15.321	0.0219		-2.5 to 2.5	Pass	
-10				3.85	17.438	0.0249		-2.5 to 2.5	Pass	
0				3.85	17.910	0.0256		-2.5 to 2.5	Pass	
10				3.85	16.193	0.0231		-2.5 to 2.5	Pass	
30				3.85	19.069	0.0272		-2.5 to 2.5	Pass	
40				3.85	18.497	0.0264		-2.5 to 2.5	Pass	
50				3.85	16.379	0.0234		-2.5 to 2.5	Pass	
707.5				15	0	20		3.27	31.786	0.0449
		3.85	-1.330				-0.0019	-2.5 to 2.5	Pass	
		4.43	-2.217				-0.0031	-2.5 to 2.5	Pass	
		-30	3.85			-6.094	-0.0086	-2.5 to 2.5	Pass	
		-20	3.85			-9.985	-0.0141	-2.5 to 2.5	Pass	
		-10	3.85			-11.544	-0.0163	-2.5 to 2.5	Pass	
		0	3.85			-11.802	-0.0167	-2.5 to 2.5	Pass	
		10	3.85			-7.968	-0.0113	-2.5 to 2.5	Pass	
		30	3.85			-5.794	-0.0082	-2.5 to 2.5	Pass	
		40	3.85			-2.990	-0.0042	-2.5 to 2.5	Pass	
		50	3.85			0.057	0.0001	-2.5 to 2.5	Pass	
		714.5	15			0	20	3.27	48.380	0.0677
3.85				7.153	0.0100			-2.5 to 2.5	Pass	
4.43				9.027	0.0126			-2.5 to 2.5	Pass	
-30				3.85	12.188		0.0171	-2.5 to 2.5	Pass	
-20				3.85	18.725		0.0262	-2.5 to 2.5	Pass	
-10				3.85	24.447		0.0342	-2.5 to 2.5	Pass	
0				3.85	33.975		0.0476	-2.5 to 2.5	Pass	
10				3.85	38.939		0.0545	-2.5 to 2.5	Pass	
30	3.85	43.287	0.0606	-2.5 to 2.5	Pass					

				40	3.85	0.529	0.0007	-2.5 to 2.5	Pass
				50	3.85	8.540	0.0120	-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	-11.287	-0.0161	-2.5 to 2.5	Pass
					3.85	13.361	0.0190	-2.5 to 2.5	Pass
					4.43	15.321	0.0218	-2.5 to 2.5	Pass
				-30	3.85	10.901	0.0155	-2.5 to 2.5	Pass
				-20	3.85	19.755	0.0282	-2.5 to 2.5	Pass
				-10	3.85	21.529	0.0307	-2.5 to 2.5	Pass
				0	3.85	24.762	0.0353	-2.5 to 2.5	Pass
				10	3.85	24.476	0.0349	-2.5 to 2.5	Pass
				30	3.85	26.007	0.0371	-2.5 to 2.5	Pass
				40	3.85	29.082	0.0415	-2.5 to 2.5	Pass
				50	3.85	31.085	0.0443	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-17.395	-0.0246	-2.5 to 2.5	Pass
					3.85	-16.766	-0.0237	-2.5 to 2.5	Pass
					4.43	13.661	0.0193	-2.5 to 2.5	Pass
				-30	3.85	38.209	0.0540	-2.5 to 2.5	Pass
				-20	3.85	7.782	0.0110	-2.5 to 2.5	Pass
				-10	3.85	16.994	0.0240	-2.5 to 2.5	Pass
				0	3.85	34.418	0.0486	-2.5 to 2.5	Pass
				10	3.85	-5.293	-0.0075	-2.5 to 2.5	Pass
				30	3.85	5.937	0.0084	-2.5 to 2.5	Pass
				40	3.85	11.930	0.0169	-2.5 to 2.5	Pass
				50	3.85	20.771	0.0294	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-21.386	-0.0300	-2.5 to 2.5	Pass
					3.85	-19.655	-0.0275	-2.5 to 2.5	Pass
					4.43	16.079	0.0225	-2.5 to 2.5	Pass
				-30	3.85	37.766	0.0529	-2.5 to 2.5	Pass
				-20	3.85	10.085	0.0141	-2.5 to 2.5	Pass
				-10	3.85	29.554	0.0414	-2.5 to 2.5	Pass
				0	3.85	43.159	0.0605	-2.5 to 2.5	Pass
				10	3.85	12.388	0.0174	-2.5 to 2.5	Pass
				30	3.85	22.559	0.0316	-2.5 to 2.5	Pass
				40	3.85	29.325	0.0411	-2.5 to 2.5	Pass
				50	3.85	37.923	0.0532	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	31.013	0.0442	-2.5 to 2.5	Pass
					3.85	27.466	0.0392	-2.5 to 2.5	Pass
					4.43	13.533	0.0193	-2.5 to 2.5	Pass
				-30	3.85	9.828	0.0140	-2.5 to 2.5	Pass
				-20	3.85	2.947	0.0042	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-9.098	-0.0130	-2.5 to 2.5	Pass
				10	3.85	-13.576	-0.0194	-2.5 to 2.5	Pass
				30	3.85	-17.910	-0.0255	-2.5 to 2.5	Pass
				40	3.85	-20.614	-0.0294	-2.5 to 2.5	Pass
				50	3.85	-22.430	-0.0320	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	32.759	0.0463	-2.5 to 2.5	Pass
					3.85	33.402	0.0472	-2.5 to 2.5	Pass
					4.43	27.051	0.0382	-2.5 to 2.5	Pass
				-30	3.85	26.264	0.0371	-2.5 to 2.5	Pass
				-20	3.85	23.232	0.0328	-2.5 to 2.5	Pass
				-10	3.85	20.099	0.0284	-2.5 to 2.5	Pass

				0	3.85	16.766	0.0237	-2.5 to 2.5	Pass
				10	3.85	12.674	0.0179	-2.5 to 2.5	Pass
				30	3.85	12.331	0.0174	-2.5 to 2.5	Pass
				40	3.85	15.793	0.0223	-2.5 to 2.5	Pass
				50	3.85	16.265	0.0230	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	35.706	0.0500	-2.5 to 2.5	Pass
					3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
					4.43	-5.050	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-5.279	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-3.891	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-8.240	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-7.982	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-10.486	-0.0147	-2.5 to 2.5	Pass
				30	3.85	-9.885	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-14.305	-0.0200	-2.5 to 2.5	Pass
				50	3.85	-10.715	-0.0150	-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	-8.054	-0.0114	-2.5 to 2.5	Pass
					3.85	21.358	0.0303	-2.5 to 2.5	Pass
					4.43	31.142	0.0442	-2.5 to 2.5	Pass
				-30	3.85	13.990	0.0199	-2.5 to 2.5	Pass
				-20	3.85	29.554	0.0420	-2.5 to 2.5	Pass
				-10	3.85	42.815	0.0608	-2.5 to 2.5	Pass
				0	3.85	4.606	0.0065	-2.5 to 2.5	Pass
				10	3.85	16.651	0.0237	-2.5 to 2.5	Pass
				30	3.85	25.692	0.0365	-2.5 to 2.5	Pass
				40	3.85	33.045	0.0469	-2.5 to 2.5	Pass
				50	3.85	37.236	0.0529	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-25.234	-0.0357	-2.5 to 2.5	Pass
					3.85	2.933	0.0041	-2.5 to 2.5	Pass
					4.43	28.367	0.0401	-2.5 to 2.5	Pass
				-30	3.85	16.994	0.0240	-2.5 to 2.5	Pass
				-20	3.85	7.081	0.0100	-2.5 to 2.5	Pass
				-10	3.85	21.272	0.0301	-2.5 to 2.5	Pass
				0	3.85	34.747	0.0491	-2.5 to 2.5	Pass
				10	3.85	40.240	0.0569	-2.5 to 2.5	Pass
				30	3.85	16.923	0.0239	-2.5 to 2.5	Pass
				40	3.85	30.069	0.0425	-2.5 to 2.5	Pass
				50	3.85	35.834	0.0506	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-32.930	-0.0463	-2.5 to 2.5	Pass
					3.85	-18.425	-0.0259	-2.5 to 2.5	Pass
					4.43	11.430	0.0161	-2.5 to 2.5	Pass
				-30	3.85	28.453	0.0400	-2.5 to 2.5	Pass
				-20	3.85	6.194	0.0087	-2.5 to 2.5	Pass
				-10	3.85	18.711	0.0263	-2.5 to 2.5	Pass
				0	3.85	30.041	0.0423	-2.5 to 2.5	Pass
				10	3.85	40.784	0.0574	-2.5 to 2.5	Pass
				30	3.85	44.160	0.0621	-2.5 to 2.5	Pass
				40	3.85	2.160	0.0030	-2.5 to 2.5	Pass
				50	3.85	6.437	0.0091	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	45.333	0.0644	-2.5 to 2.5	Pass
					3.85	-11.930	-0.0169	-2.5 to 2.5	Pass
					4.43	-17.538	-0.0249	-2.5 to 2.5	Pass

				-30	3.85	-30.799	-0.0437	-2.5 to 2.5	Pass
				-20	3.85	-40.798	-0.0580	-2.5 to 2.5	Pass
				-10	3.85	-18.940	-0.0269	-2.5 to 2.5	Pass
				0	3.85	-8.583	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-10.757	-0.0153	-2.5 to 2.5	Pass
				30	3.85	-11.888	-0.0169	-2.5 to 2.5	Pass
				40	3.85	-15.192	-0.0216	-2.5 to 2.5	Pass
				50	3.85	-13.962	-0.0198	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	43.859	0.0620	-2.5 to 2.5	Pass
					3.85	37.136	0.0525	-2.5 to 2.5	Pass
					4.43	24.319	0.0344	-2.5 to 2.5	Pass
				-30	3.85	14.420	0.0204	-2.5 to 2.5	Pass
				-20	3.85	7.453	0.0105	-2.5 to 2.5	Pass
				-10	3.85	3.333	0.0047	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0020	-2.5 to 2.5	Pass
				10	3.85	3.991	0.0056	-2.5 to 2.5	Pass
				30	3.85	5.221	0.0074	-2.5 to 2.5	Pass
				40	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
	711	50	0	20	3.27	12.431	0.0175	-2.5 to 2.5	Pass
					3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
					4.43	-11.673	-0.0164	-2.5 to 2.5	Pass
				-30	3.85	-16.909	-0.0238	-2.5 to 2.5	Pass
				-20	3.85	-11.029	-0.0155	-2.5 to 2.5	Pass
				-10	3.85	-15.078	-0.0212	-2.5 to 2.5	Pass
				0	3.85	-18.353	-0.0258	-2.5 to 2.5	Pass
				10	3.85	-26.779	-0.0377	-2.5 to 2.5	Pass
				30	3.85	-29.182	-0.0410	-2.5 to 2.5	Pass
				40	3.85	-29.082	-0.0409	-2.5 to 2.5	Pass
				50	3.85	-30.413	-0.0428	-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	Pass
16QAM	707.5	6	0	Refer To Test Graph	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	Pass
16QAM	707.5	15	0	Refer To Test Graph	Pass

3.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTN					
----------------------------------	--	--	--	--	--

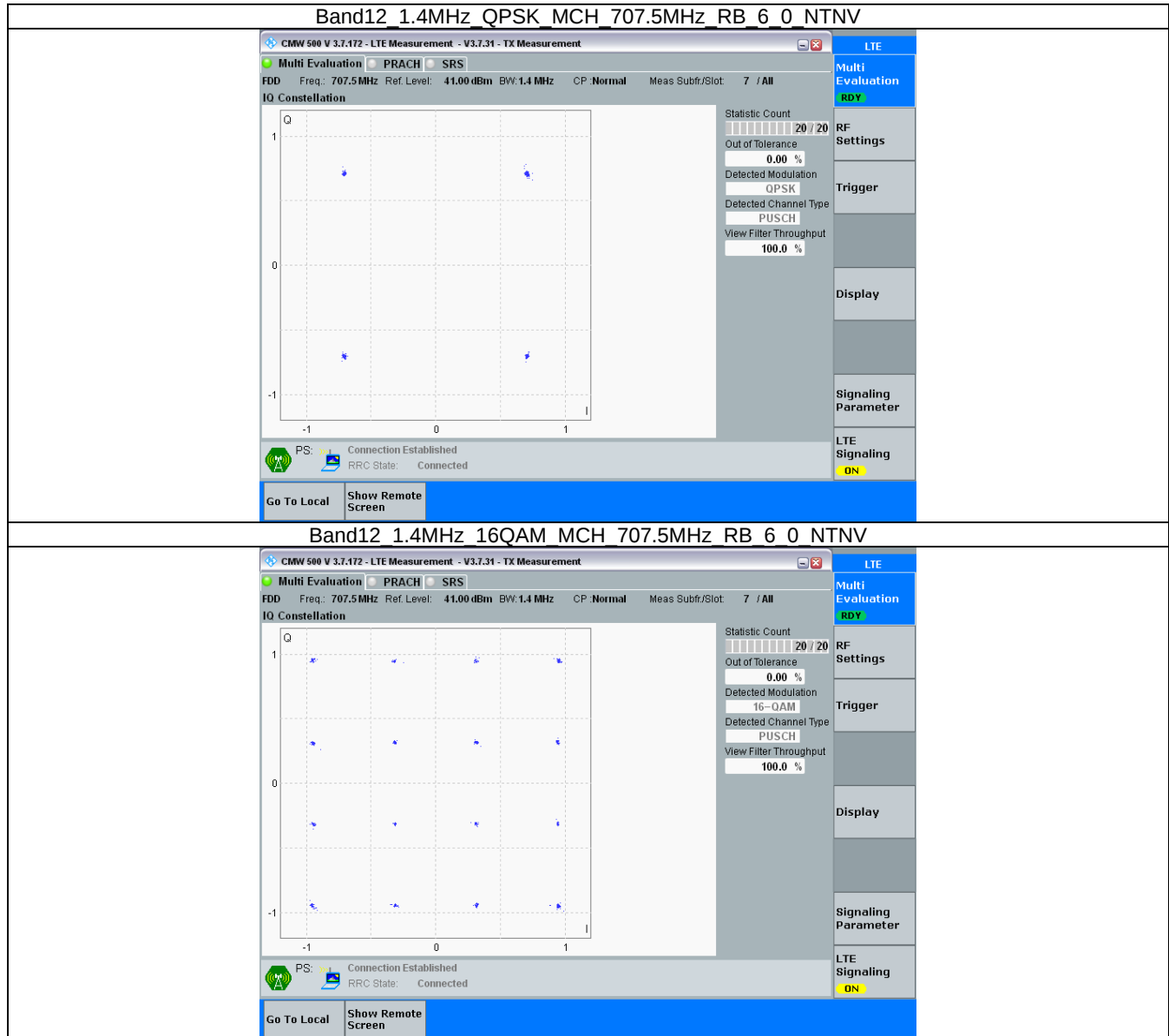
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

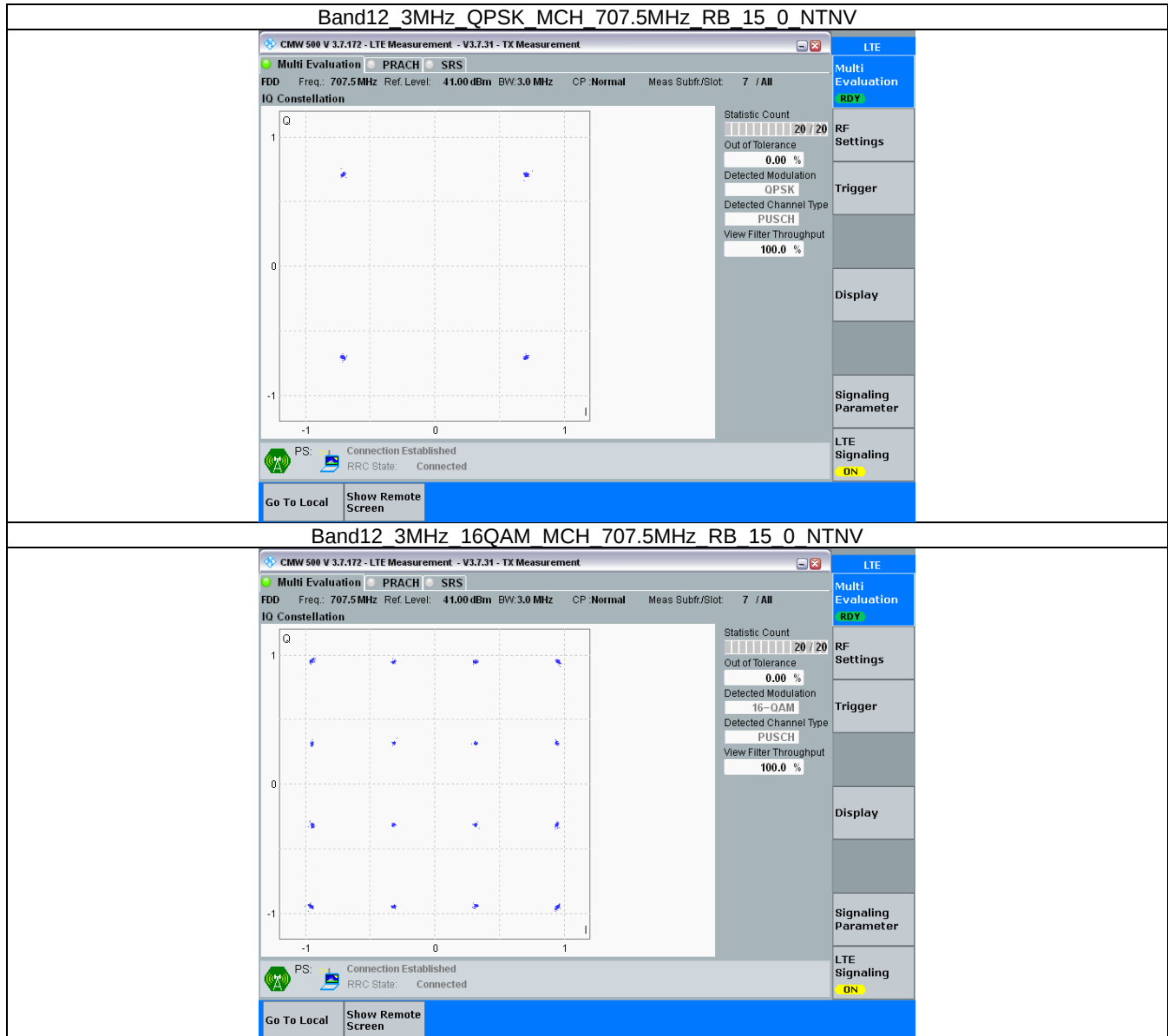
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

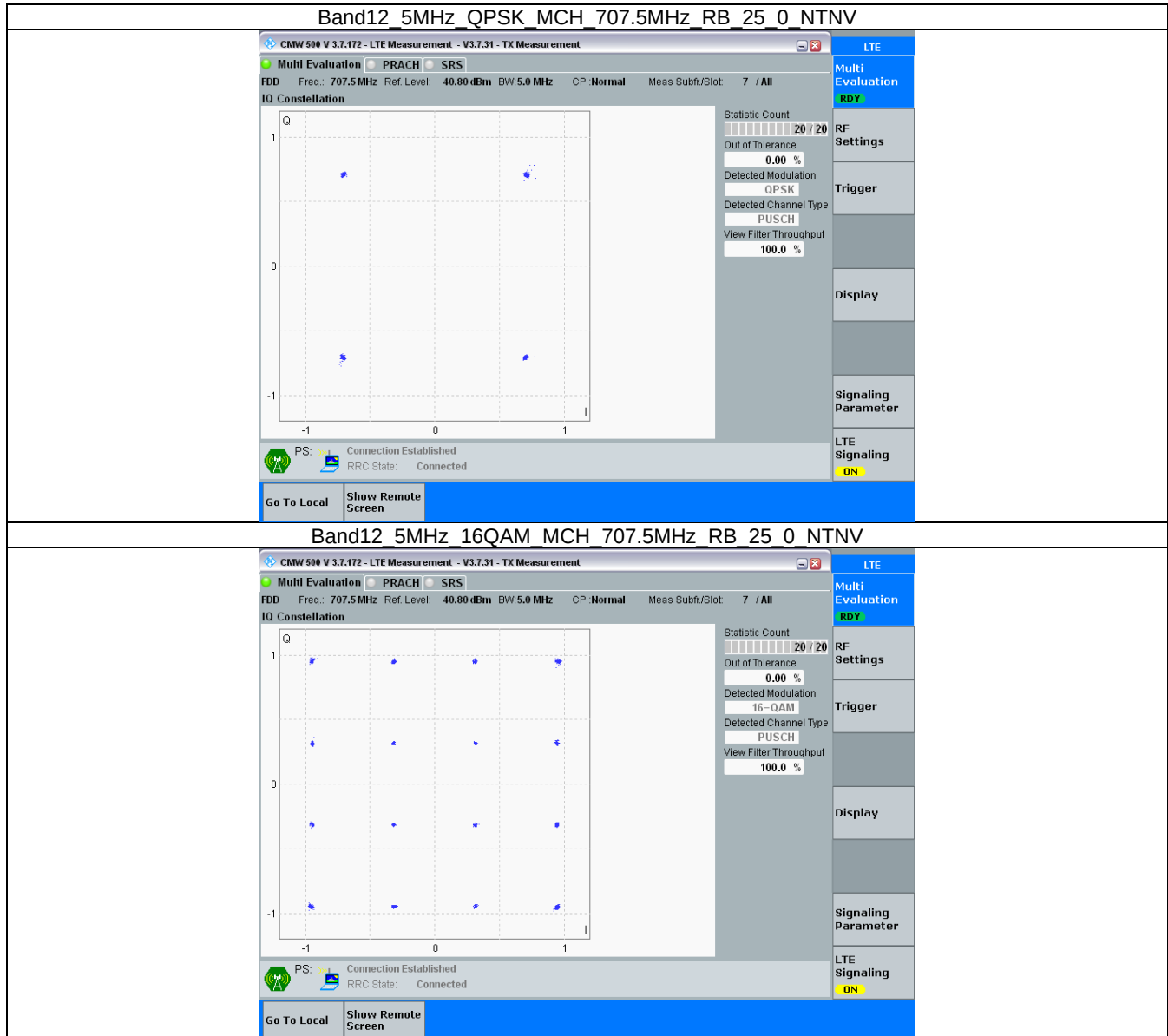
3.2.1 B12_1.4MHz



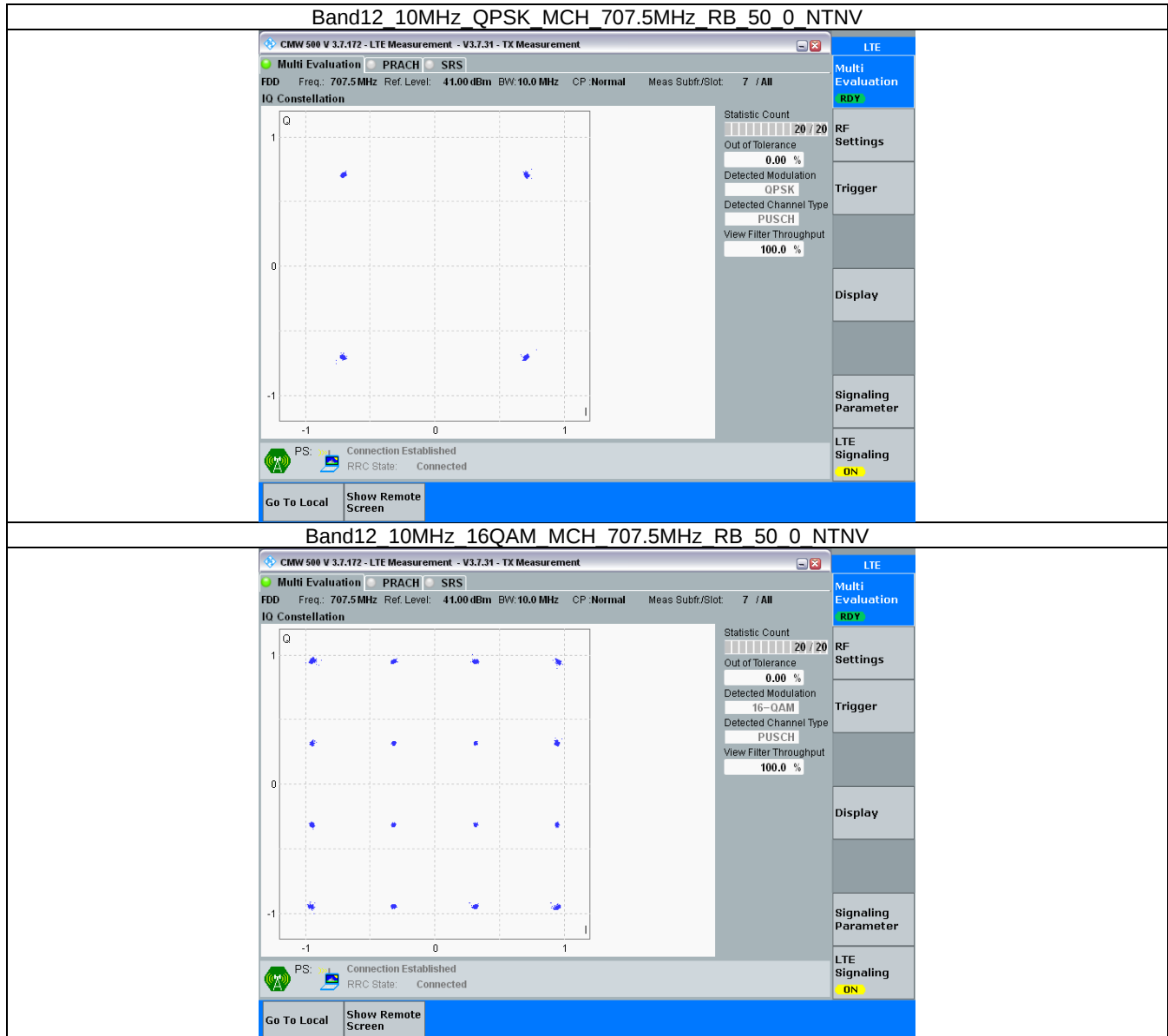
3.2.2 B12_3MHz



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	1.111	/	Pass
		707.5	6	0	1.111	/	Pass
		715.3	6	0	1.111	/	Pass
	16QAM	699.7	6	0	1.105	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.120	/	Pass
3	QPSK	700.5	15	0	2.755	/	Pass
		707.5	15	0	2.755	/	Pass
		714.5	15	0	2.765	/	Pass
	16QAM	700.5	15	0	2.769	/	Pass
		707.5	15	0	2.765	/	Pass
		714.5	15	0	2.745	/	Pass
5	QPSK	701.5	25	0	4.544	/	Pass
		707.5	25	0	4.549	/	Pass
		713.5	25	0	4.535	/	Pass
	16QAM	701.5	25	0	4.546	/	Pass
		707.5	25	0	4.559	/	Pass
		713.5	25	0	4.544	/	Pass
10	QPSK	704	50	0	9.062	/	Pass
		707.5	50	0	9.098	/	Pass
		711	50	0	9.017	/	Pass
	16QAM	704	50	0	9.075	/	Pass
		707.5	50	0	9.059	/	Pass
		711	50	0	9.019	/	Pass

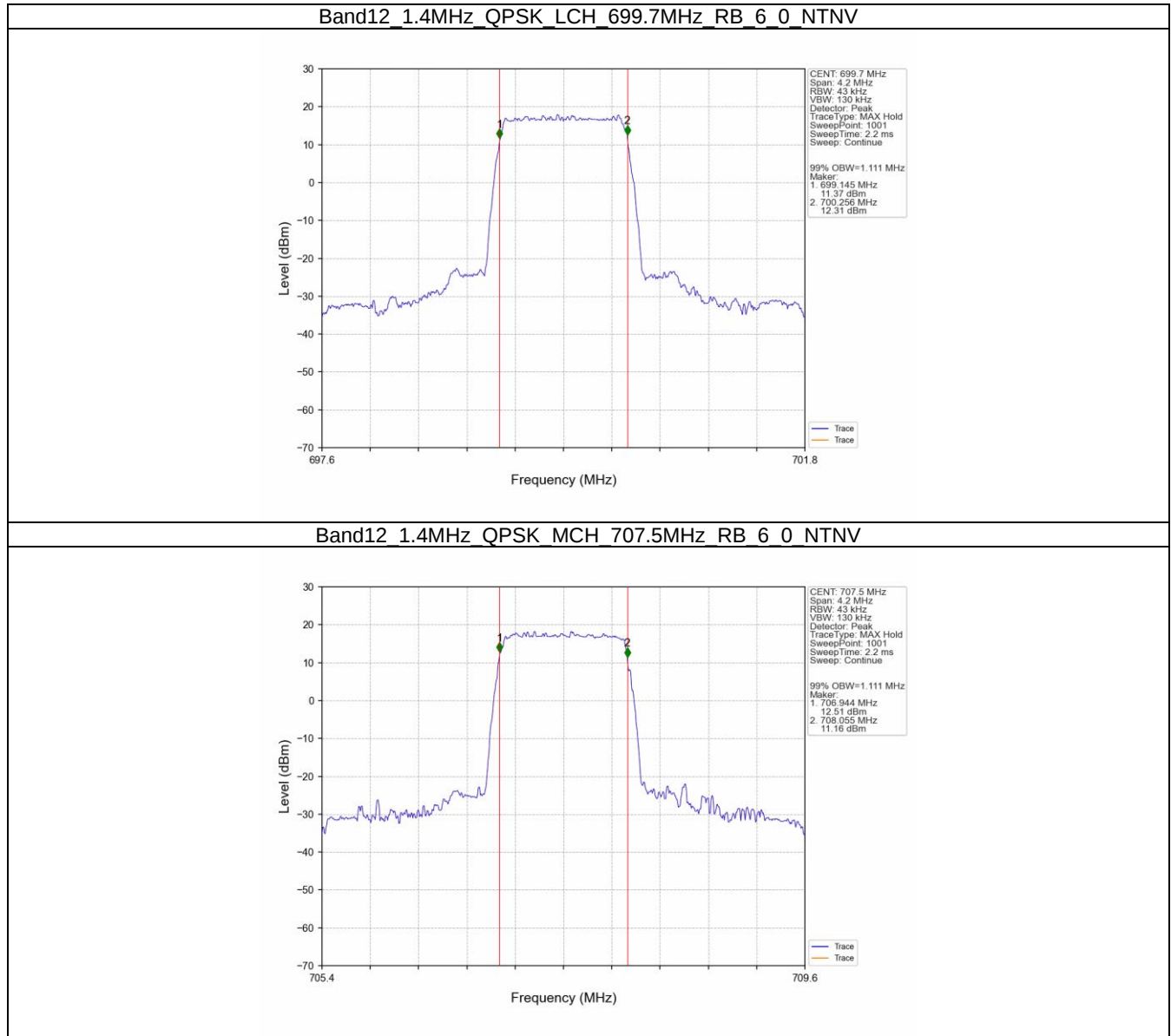
4.1.2 Band12_XDB

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	1.270	/	Pass
		707.5	6	0	1.276	/	Pass
		715.3	6	0	1.265	/	Pass
	16QAM	699.7	6	0	1.274	/	Pass
		707.5	6	0	1.267	/	Pass
		715.3	6	0	1.265	/	Pass
3	QPSK	700.5	15	0	3.112	/	Pass
		707.5	15	0	3.090	/	Pass
		714.5	15	0	3.096	/	Pass
	16QAM	700.5	15	0	3.098	/	Pass
		707.5	15	0	3.114	/	Pass
		714.5	15	0	3.092	/	Pass
5	QPSK	701.5	25	0	4.954	/	Pass
		707.5	25	0	5.066	/	Pass
		713.5	25	0	5.057	/	Pass

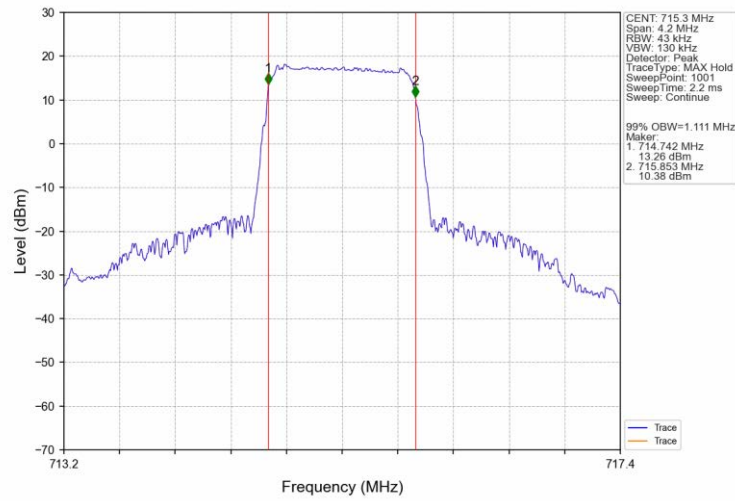
10	16QAM	701.5	25	0	5.055	/	Pass
		707.5	25	0	5.068	/	Pass
		713.5	25	0	5.067	/	Pass
	QPSK	704	50	0	10.046	/	Pass
		707.5	50	0	10.104	/	Pass
		711	50	0	9.967	/	Pass
	16QAM	704	50	0	10.094	/	Pass
		707.5	50	0	10.142	/	Pass
		711	50	0	10.059	/	Pass

4.2 Test Graph

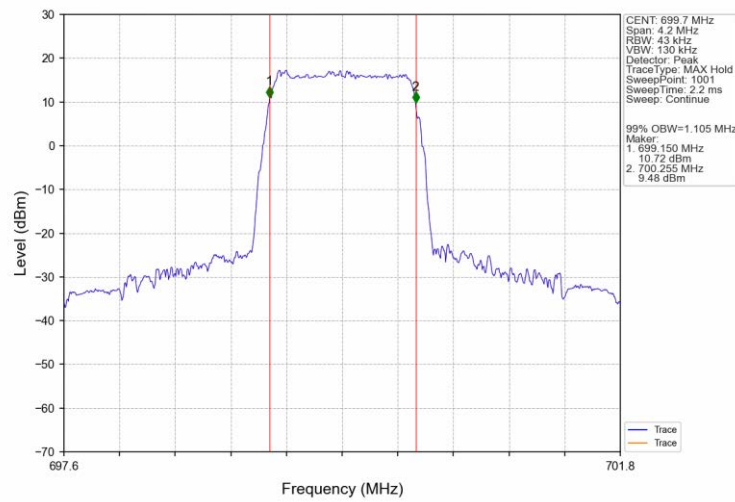
4.2.1 Band12_OBW



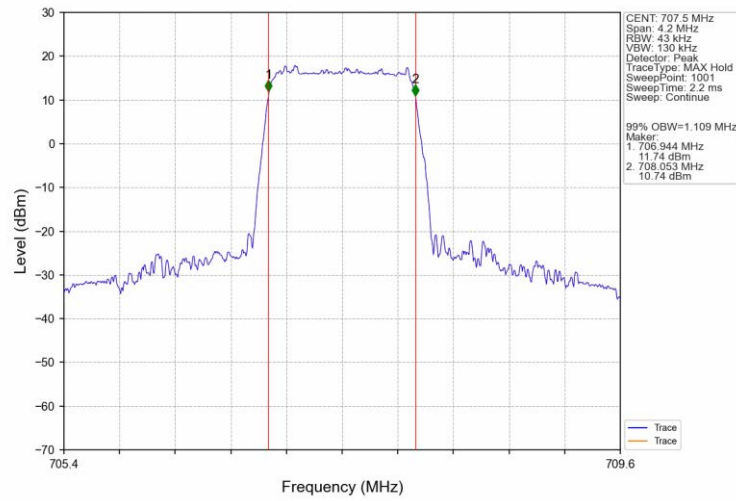
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



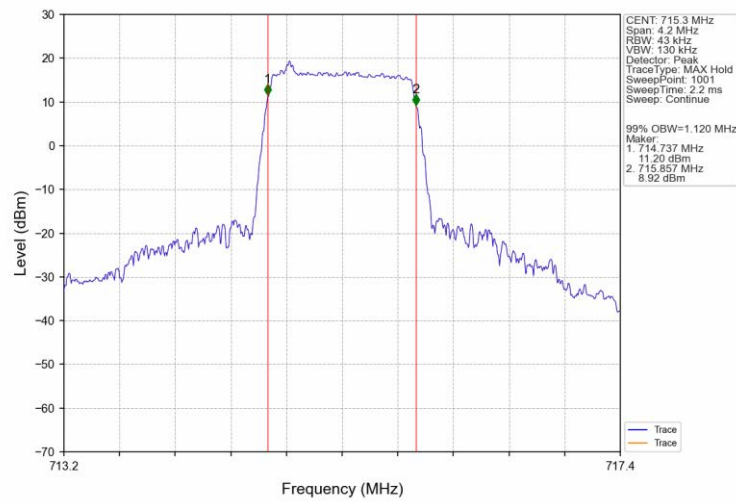
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



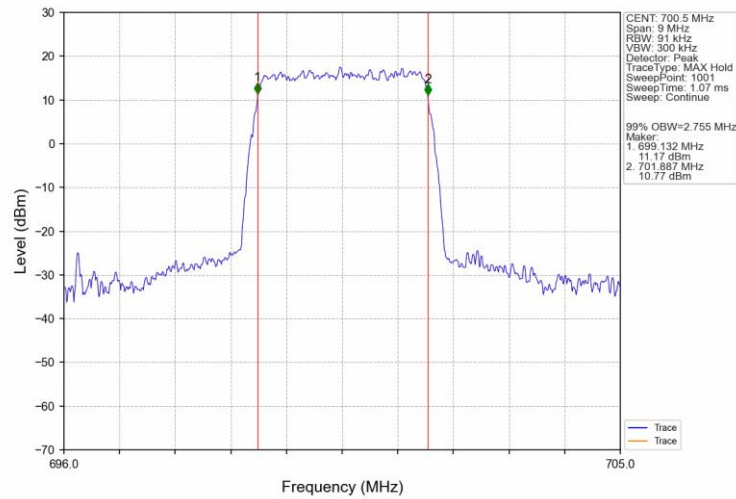
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



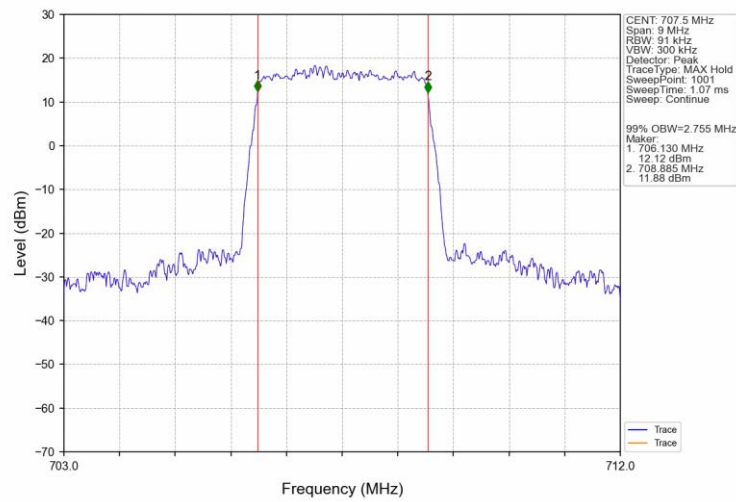
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



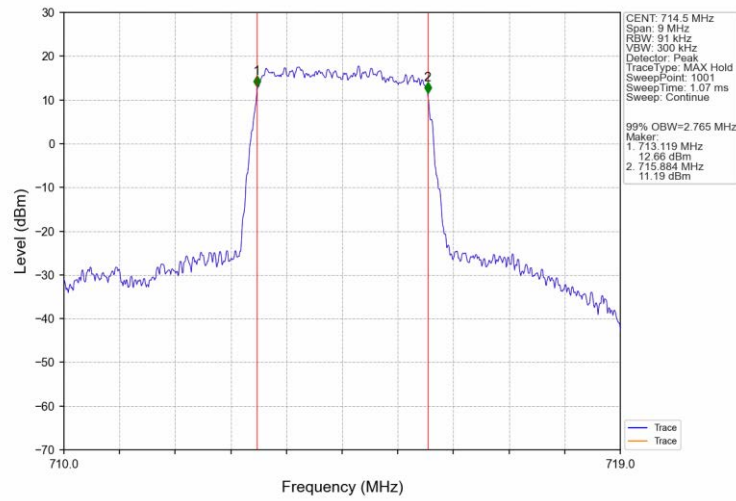
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



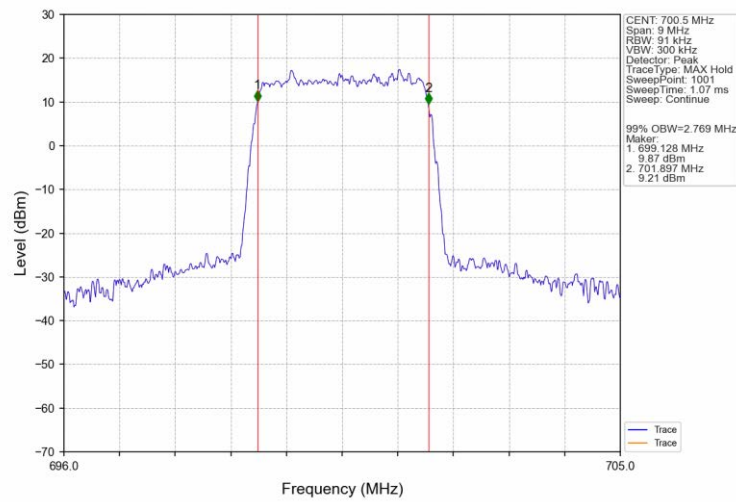
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



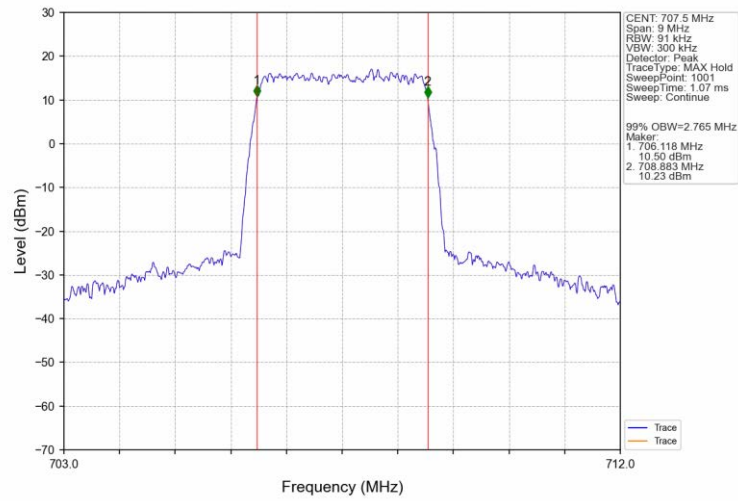
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



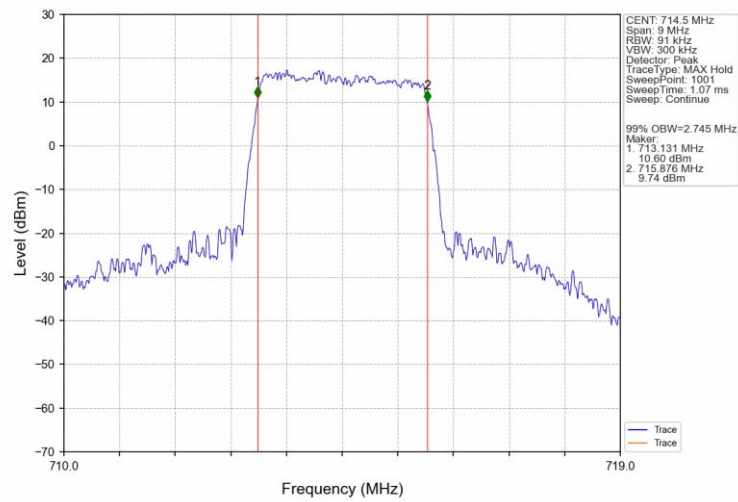
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



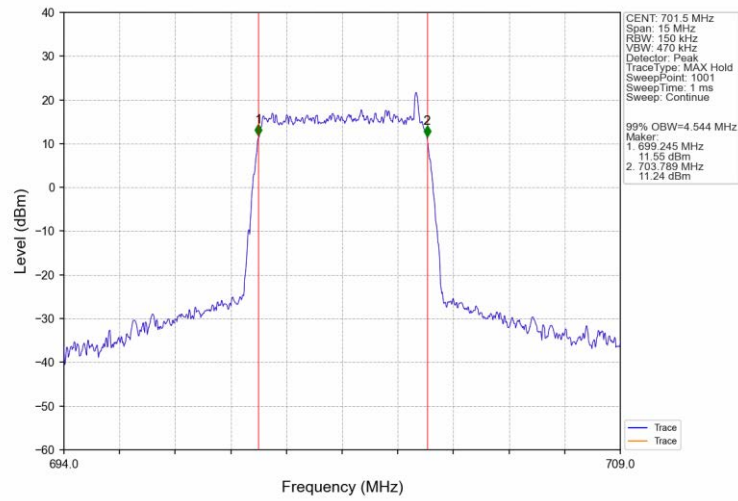
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



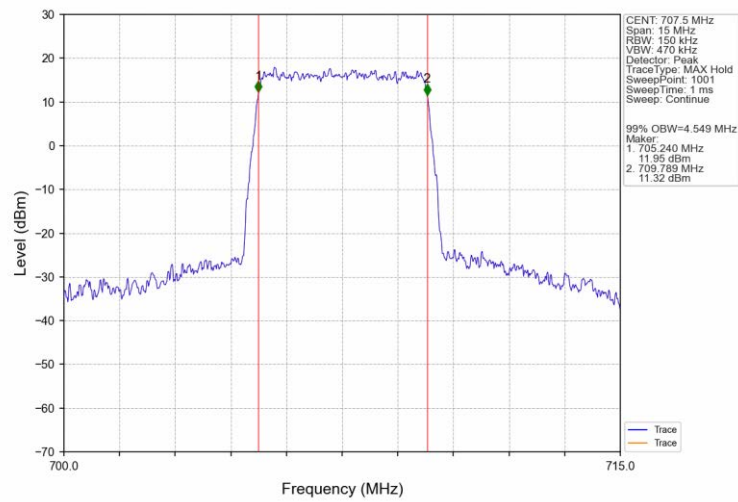
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



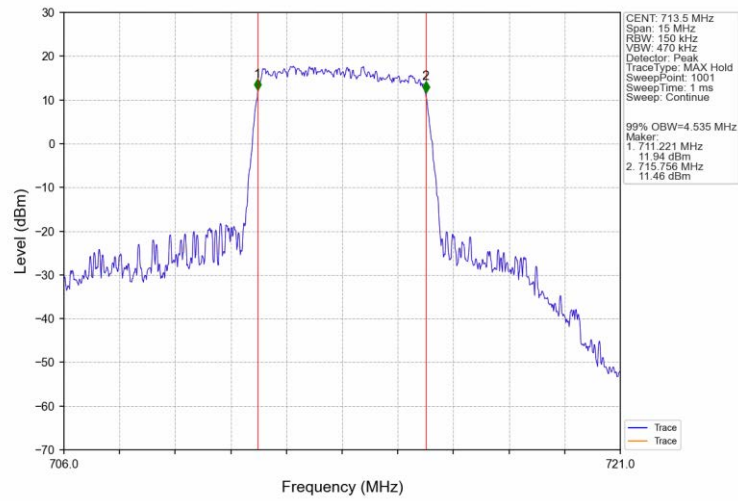
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



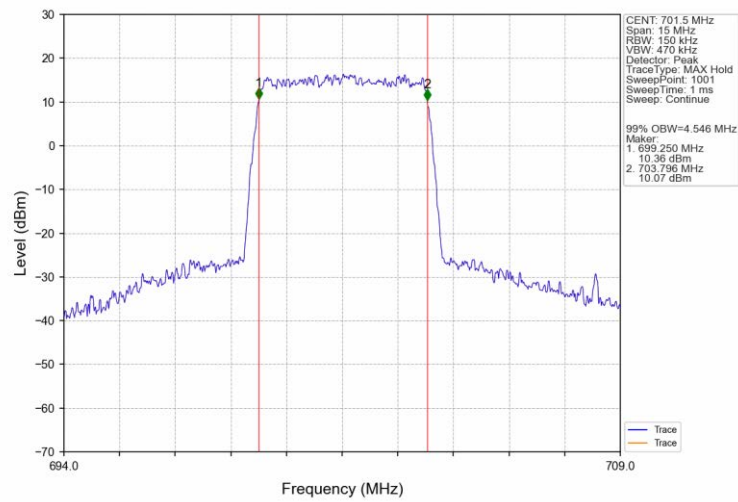
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



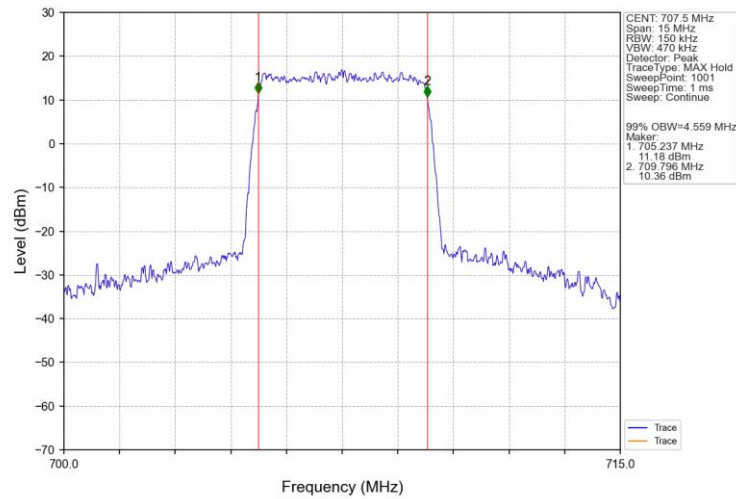
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



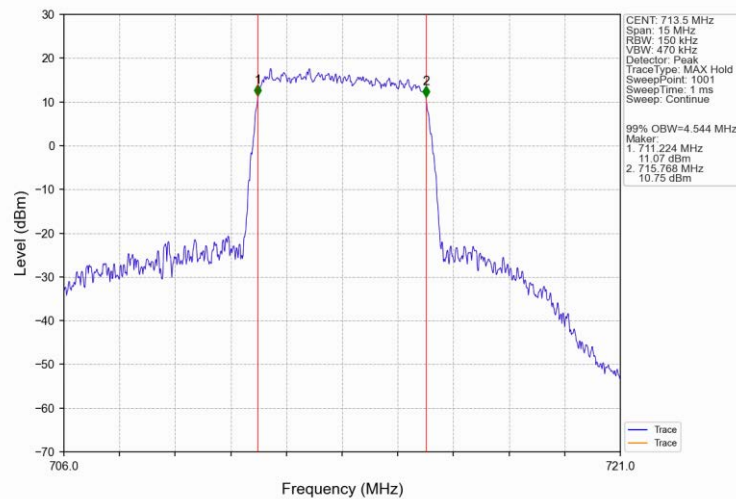
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



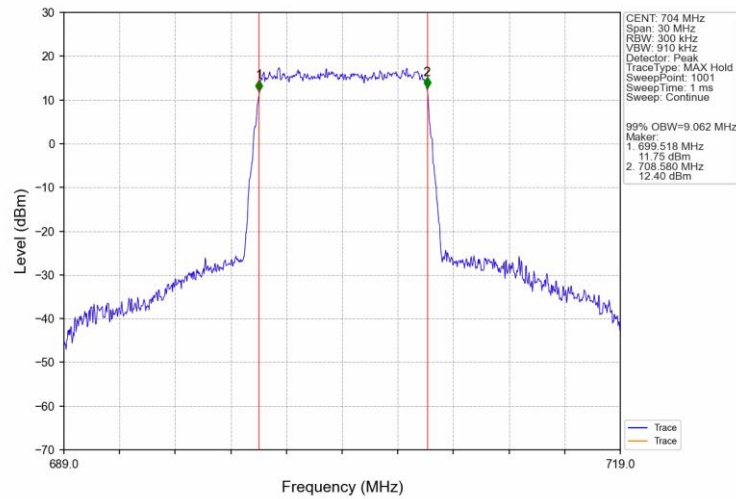
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



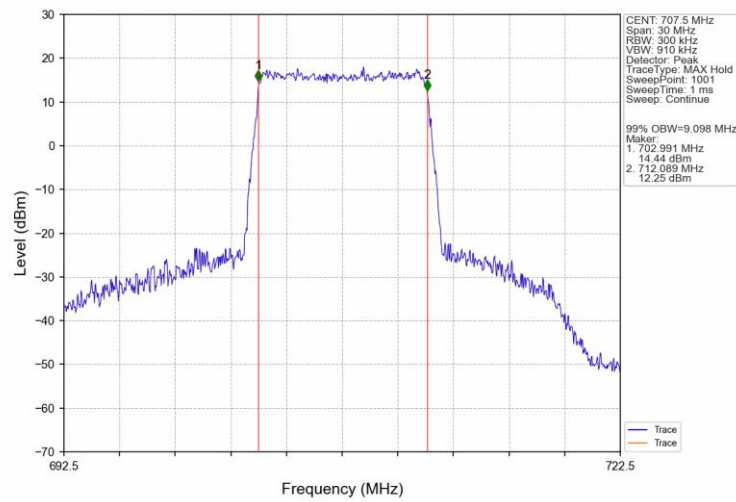
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



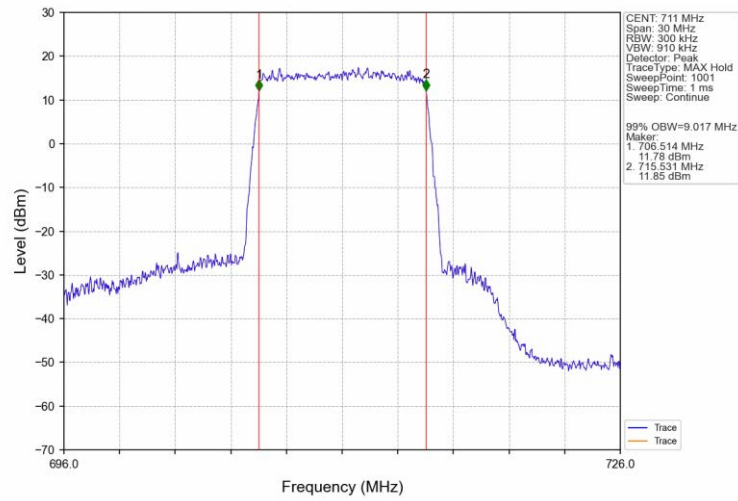
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



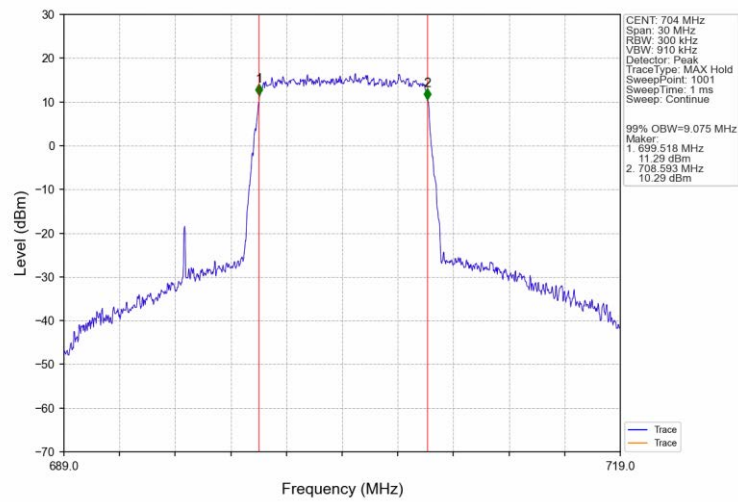
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



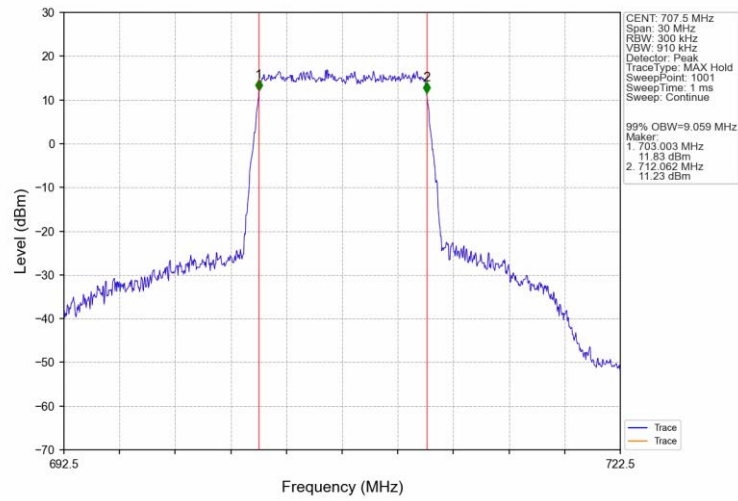
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



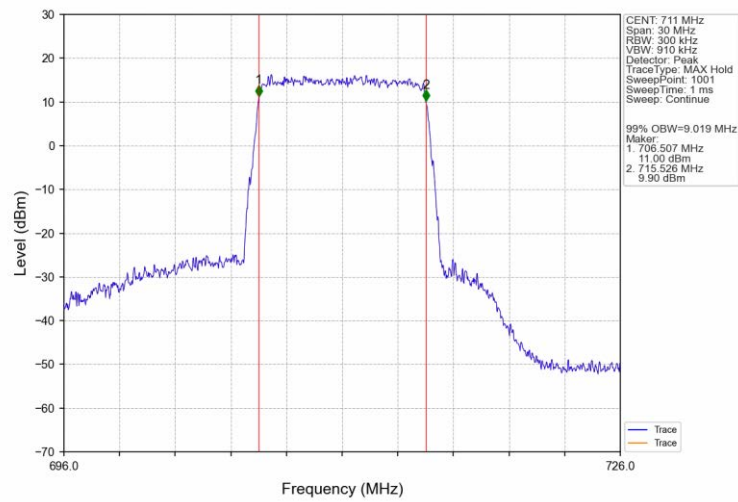
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

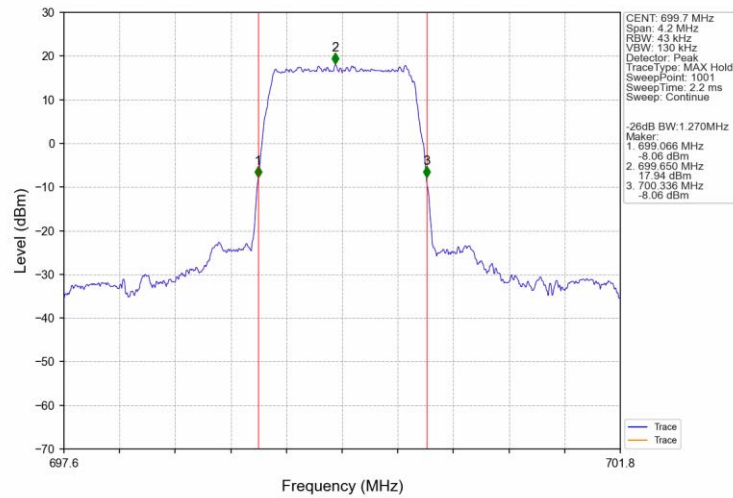


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

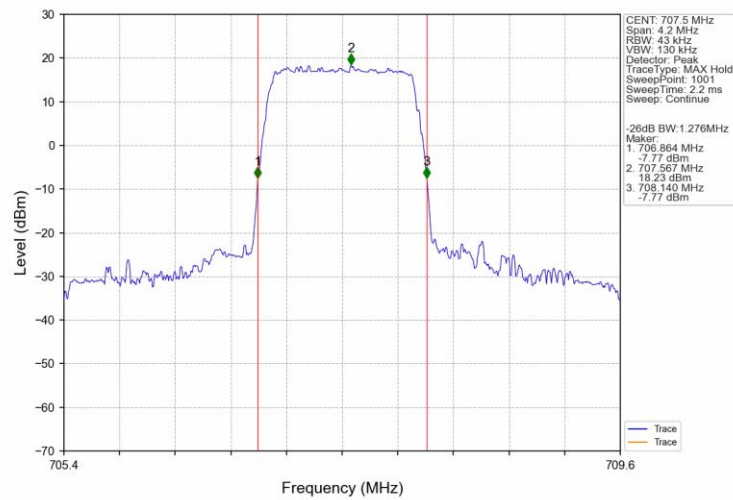


4.2.2 Band12_XDB

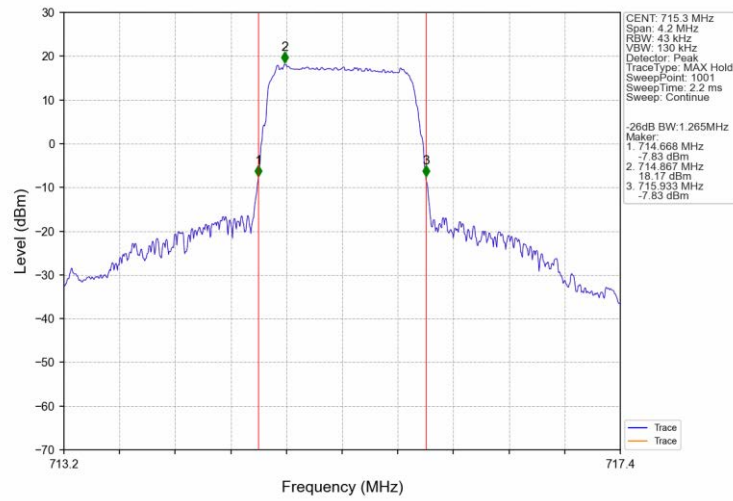
Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV



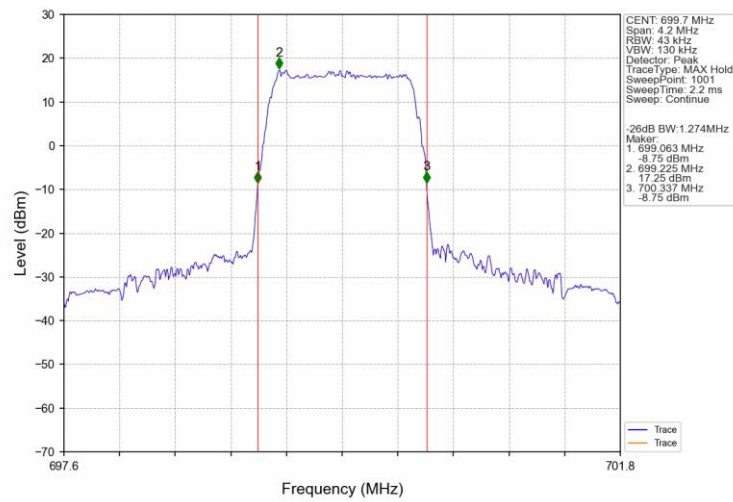
Band12 1.4MHz QPSK MCH 707.5MHz RB 6 0 NTNV



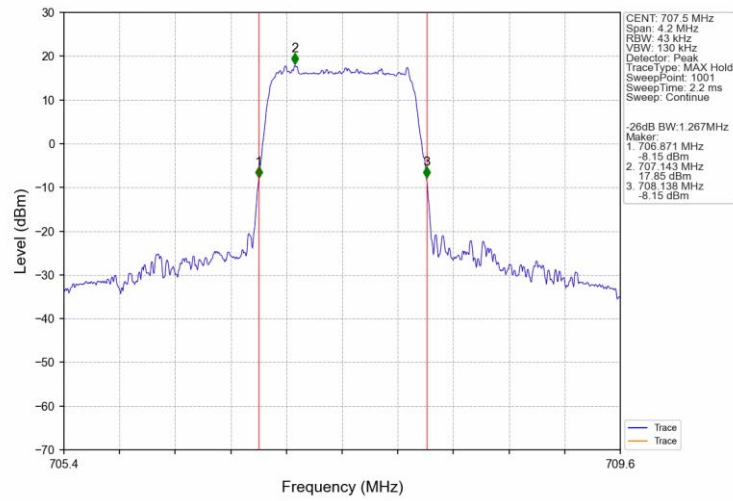
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



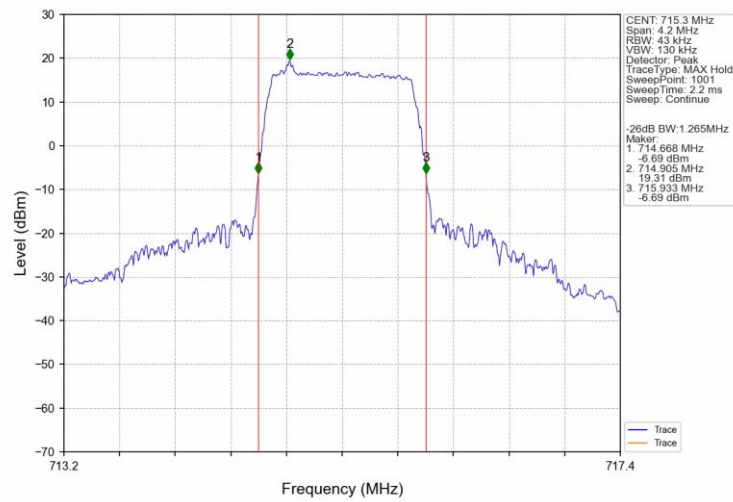
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



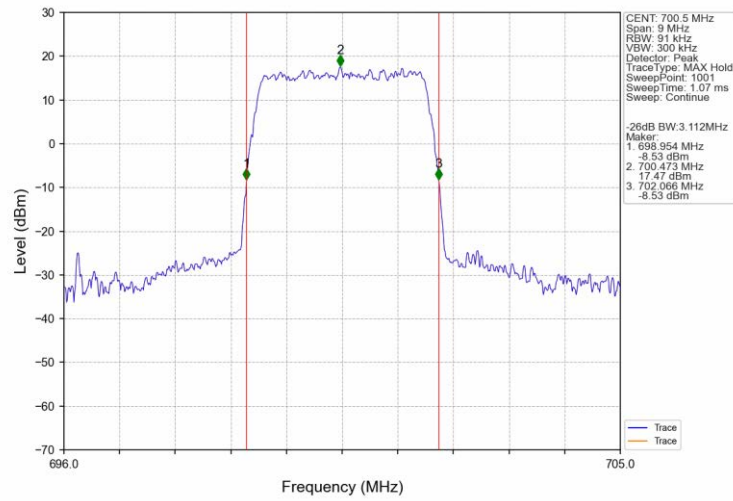
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



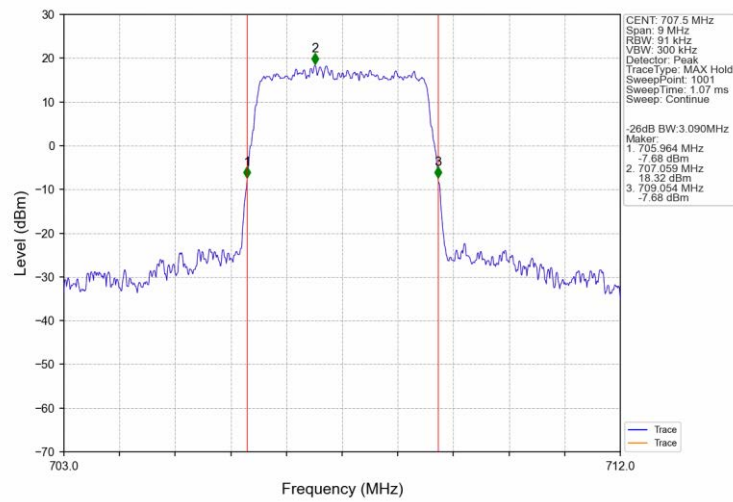
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



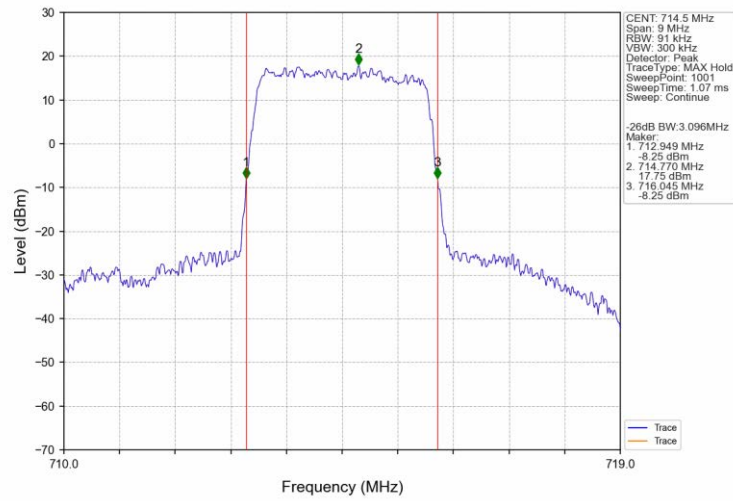
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



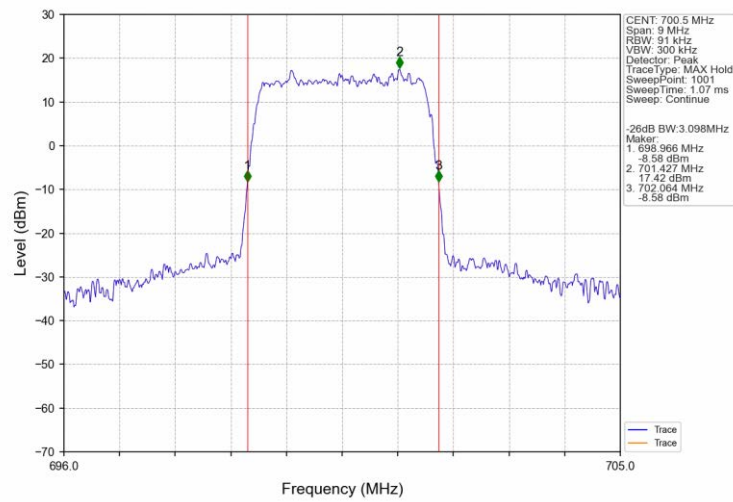
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



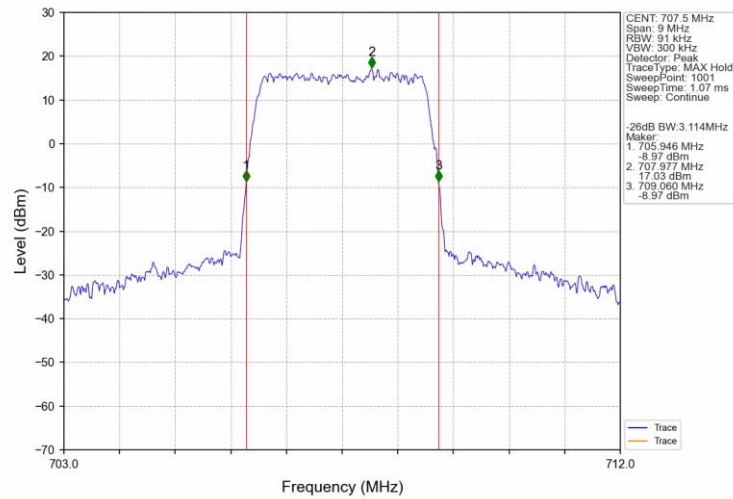
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



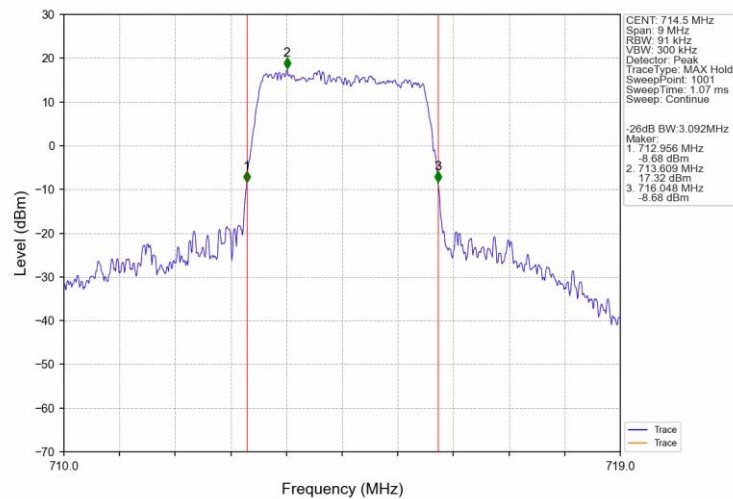
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



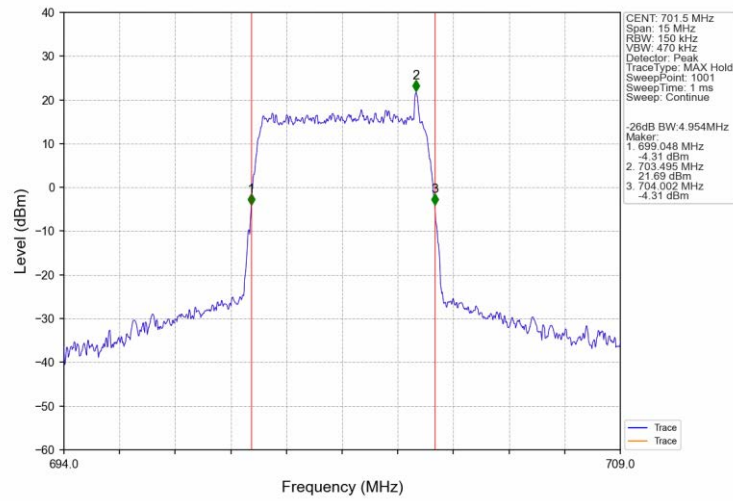
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



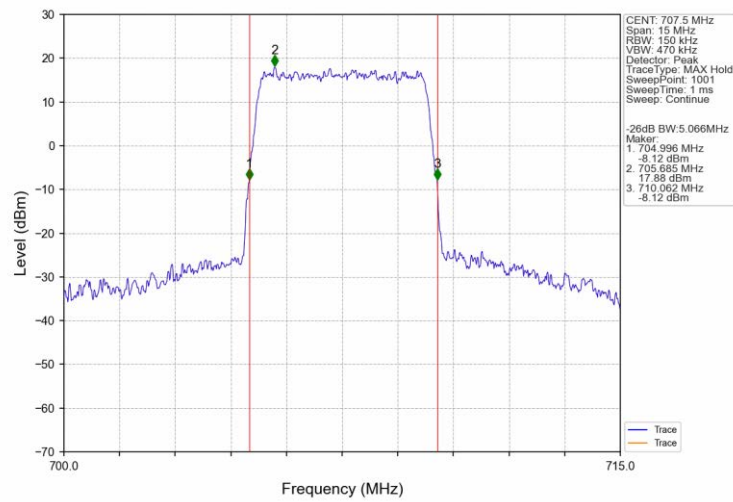
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



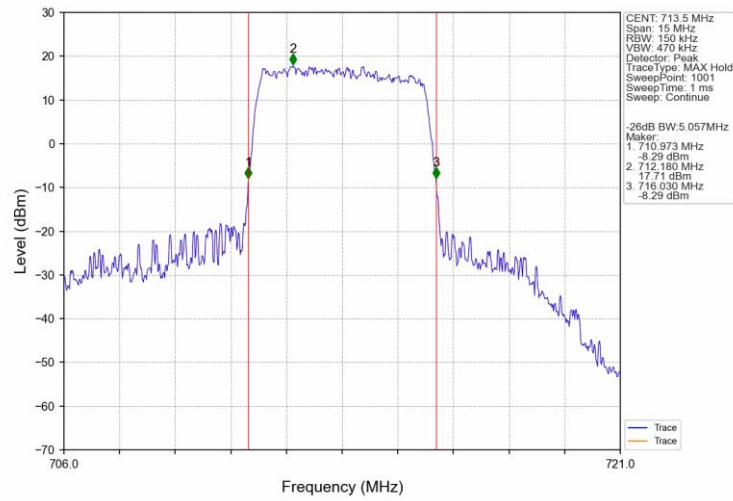
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



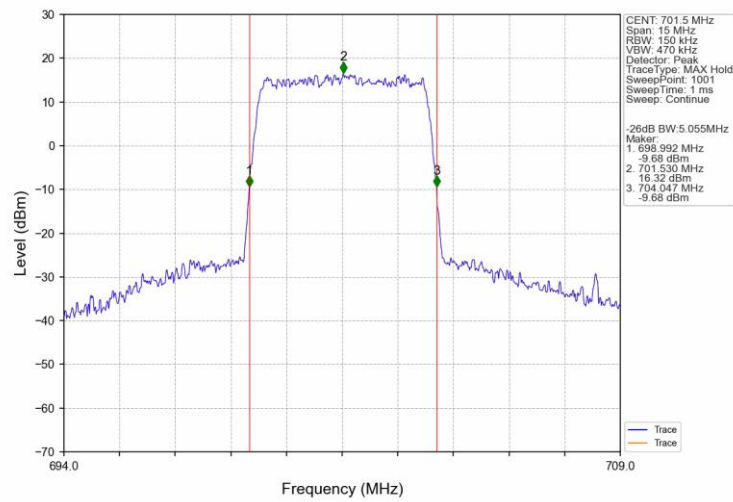
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



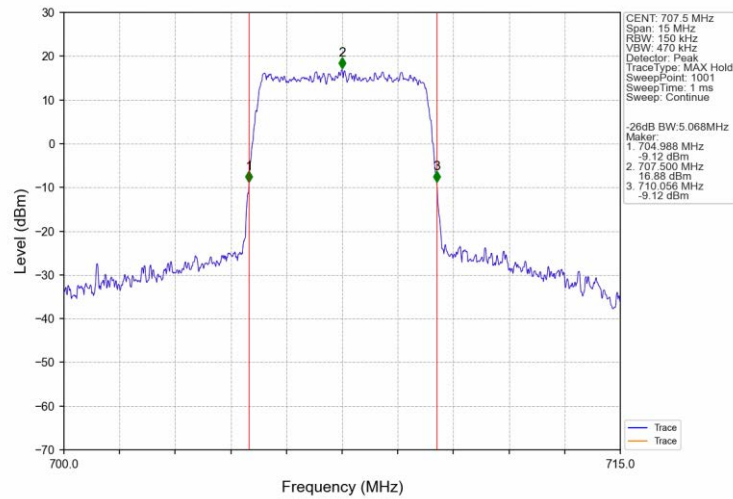
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



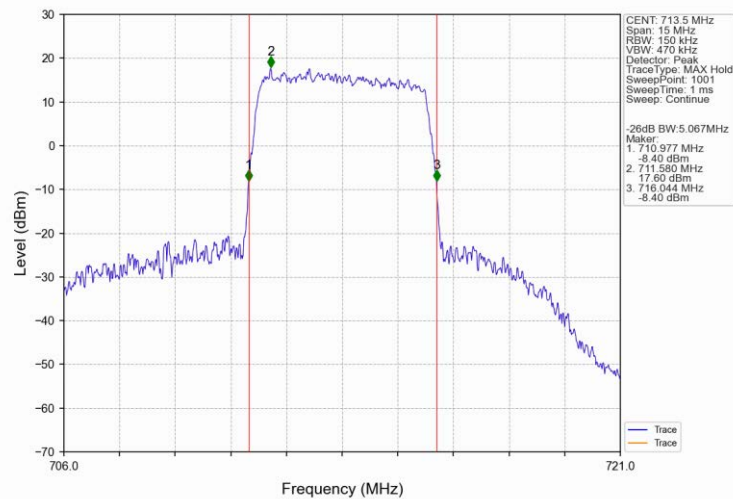
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



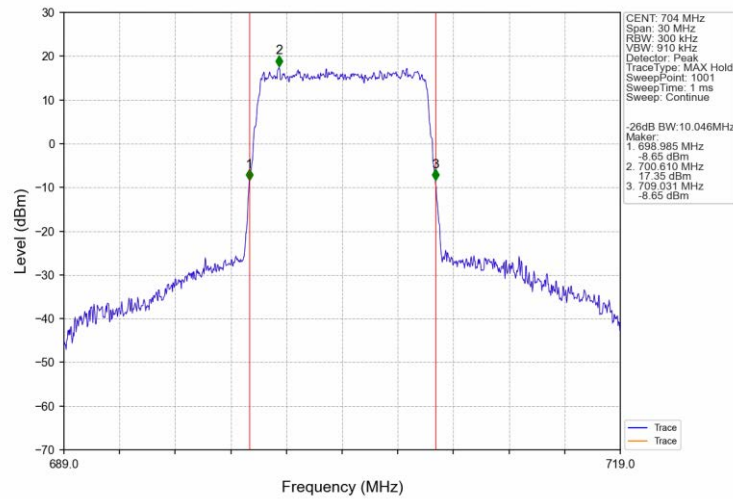
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



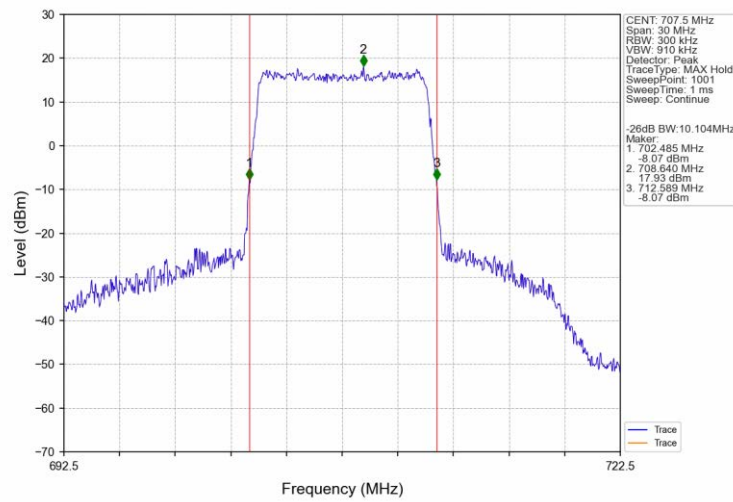
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



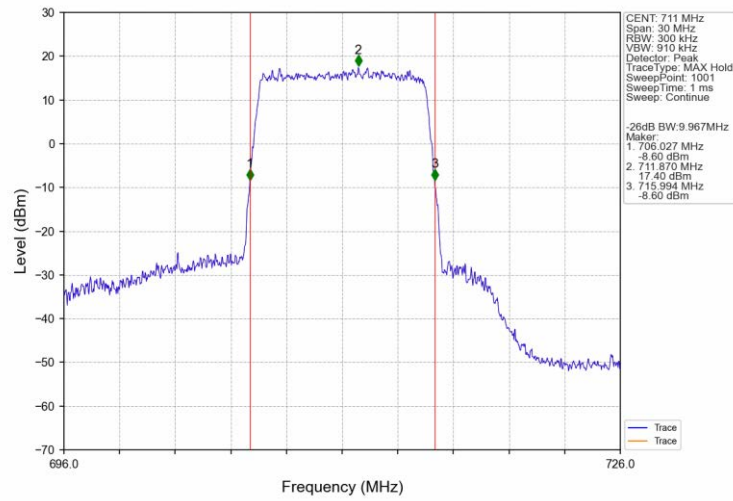
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



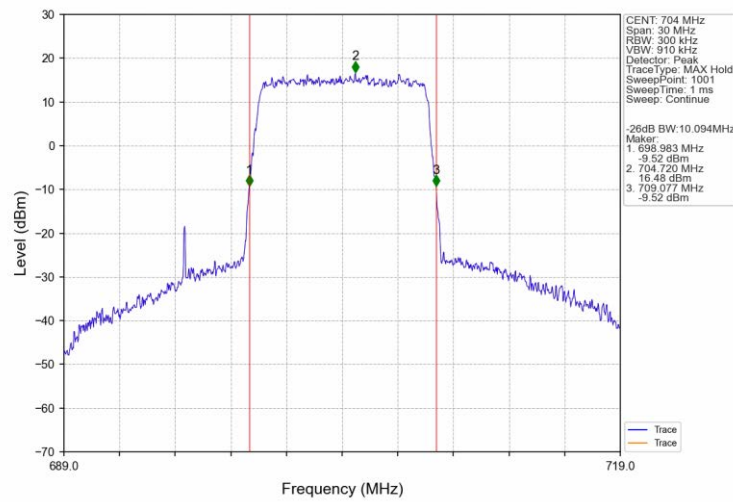
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



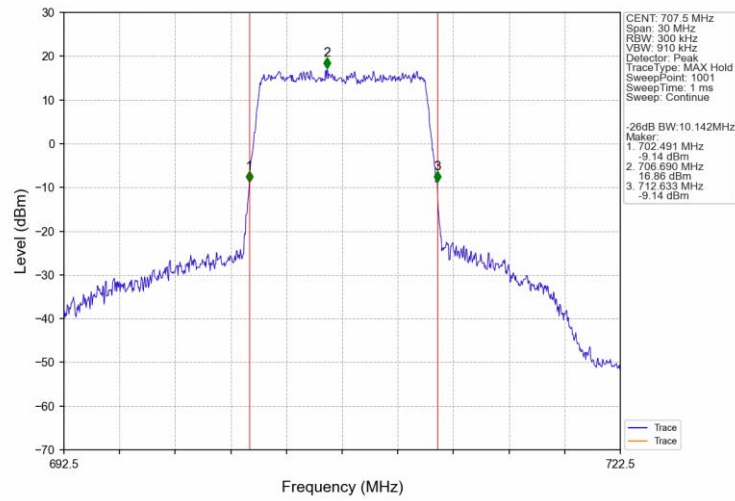
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



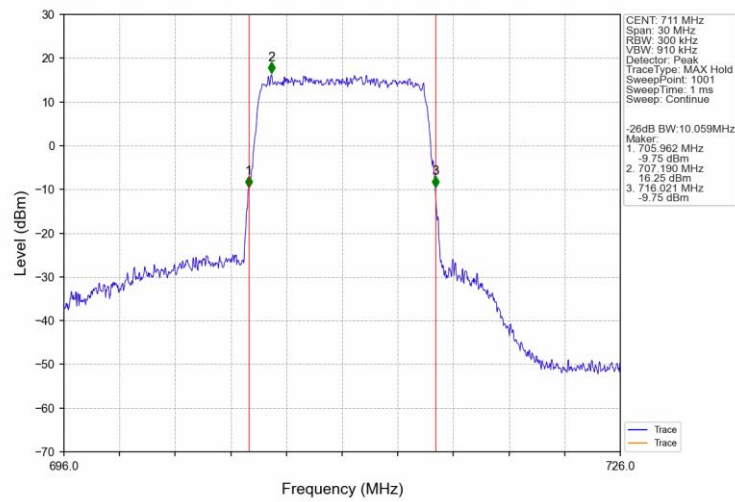
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	5.73	<=13	Pass
	707.5	6	0	5.52	<=13	Pass
	715.3	6	0	4.88	<=13	Pass
16QAM	699.7	6	0	6.44	<=13	Pass
	707.5	6	0	6.38	<=13	Pass
	715.3	6	0	5.74	<=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	5.79	<=13	Pass
	707.5	15	0	5.63	<=13	Pass
	714.5	15	0	5.40	<=13	Pass
16QAM	700.5	15	0	6.59	<=13	Pass
	707.5	15	0	6.41	<=13	Pass
	714.5	15	0	6.15	<=13	Pass

5.1.3 B12_5MHz

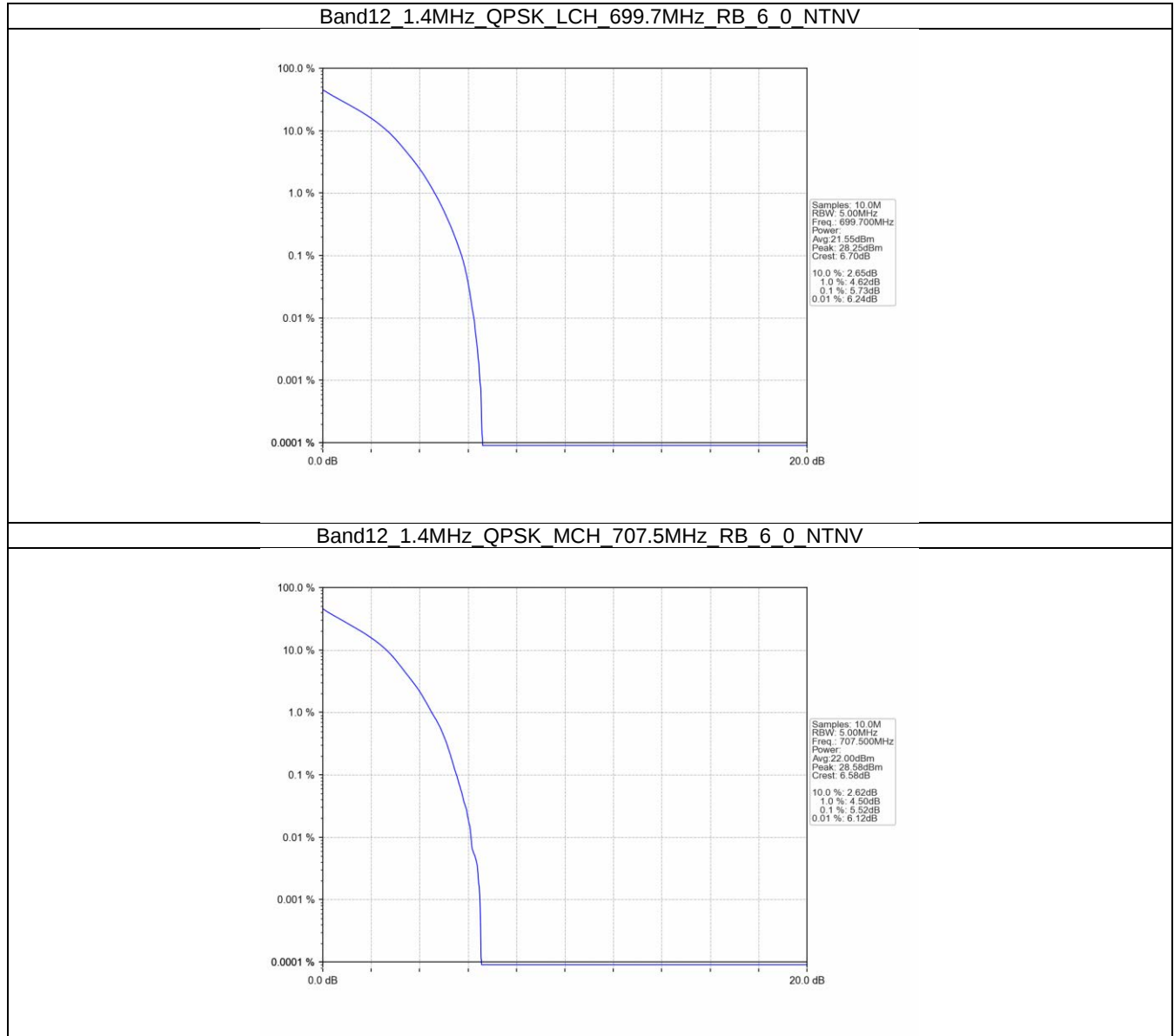
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.81	<=13	Pass
	707.5	25	0	5.65	<=13	Pass
	713.5	25	0	5.47	<=13	Pass
16QAM	701.5	25	0	6.48	<=13	Pass
	707.5	25	0	6.44	<=13	Pass
	713.5	25	0	6.21	<=13	Pass

5.1.4 B12_10MHz

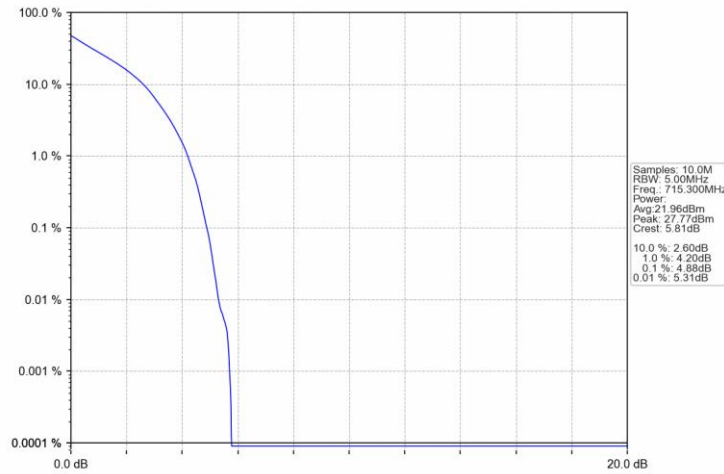
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.75	<=13	Pass
	707.5	50	0	5.70	<=13	Pass
	711	50	0	5.62	<=13	Pass
16QAM	704	50	0	6.47	<=13	Pass
	707.5	50	0	6.43	<=13	Pass
	711	50	0	6.43	<=13	Pass

5.2 Test Graph

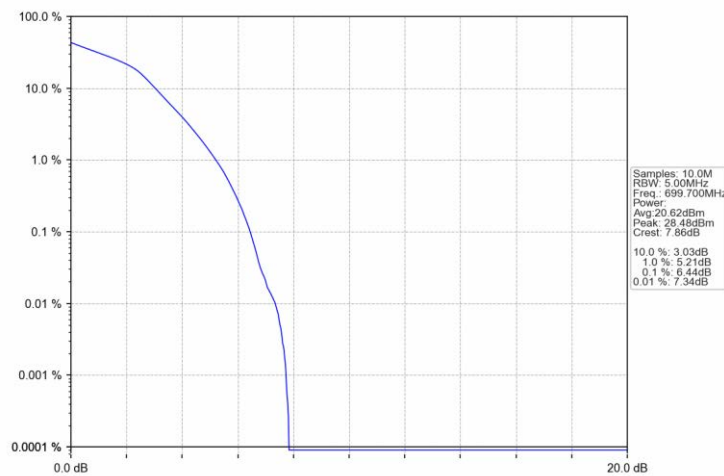
5.2.1 B12_1.4MHz



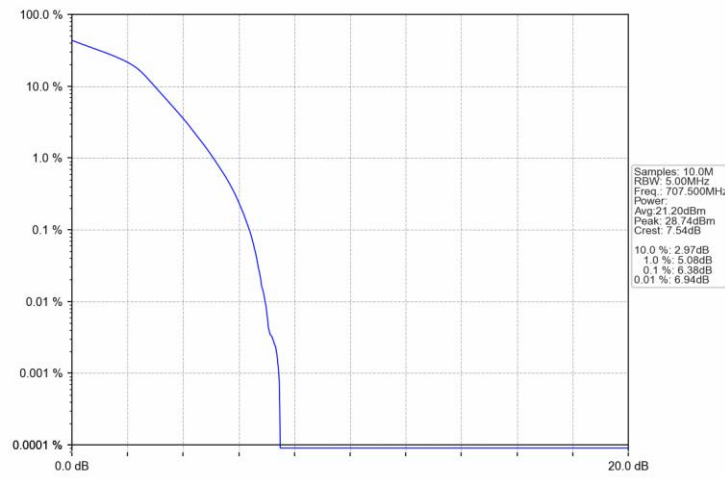
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



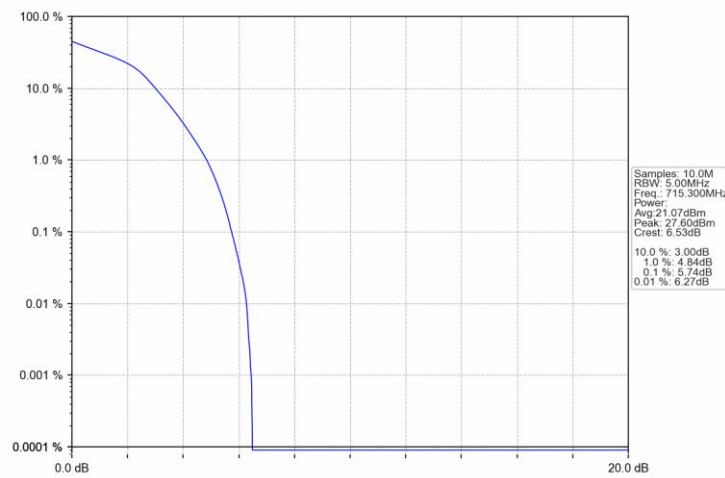
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

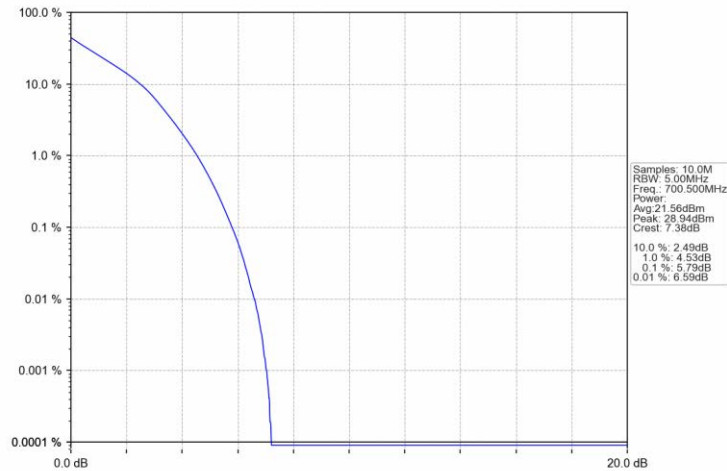


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

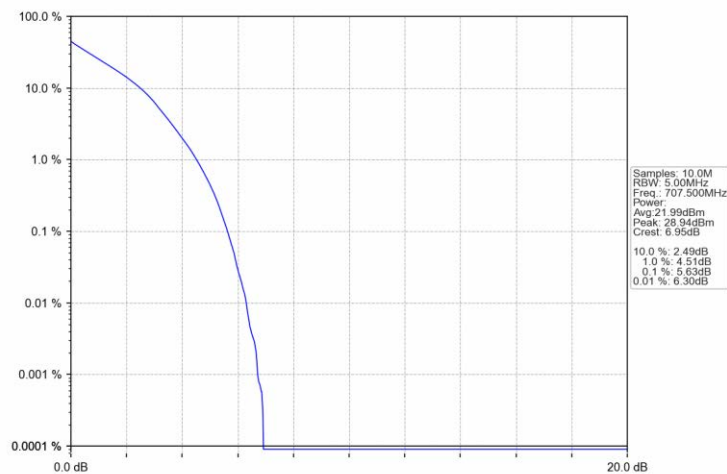


5.2.2 B12_3MHz

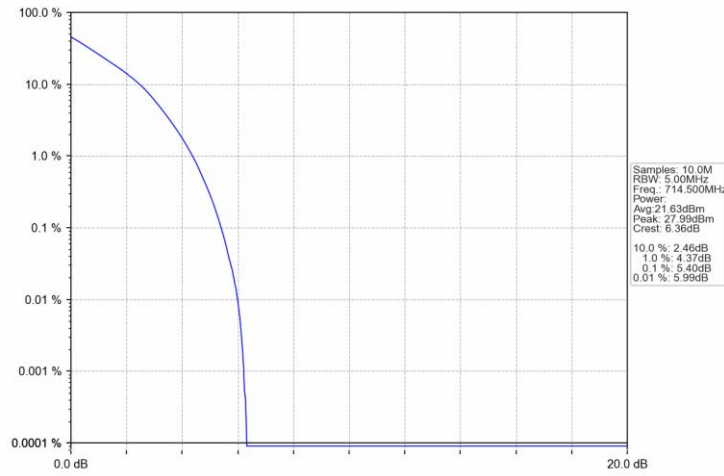
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



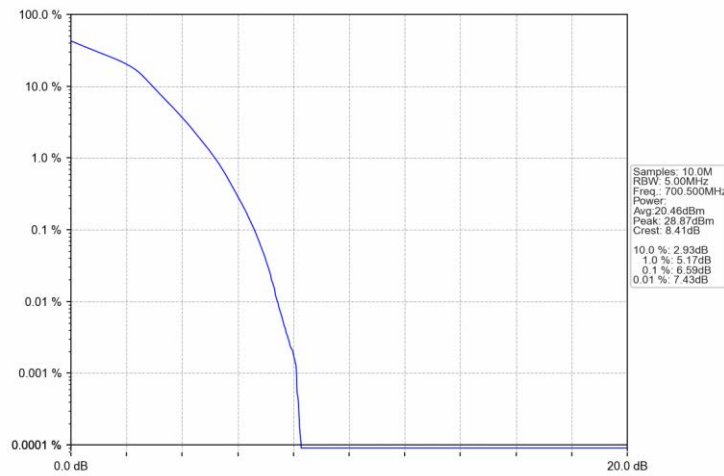
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



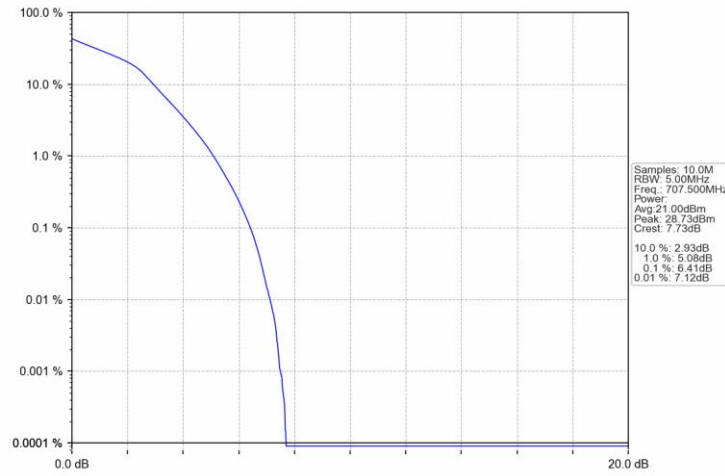
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



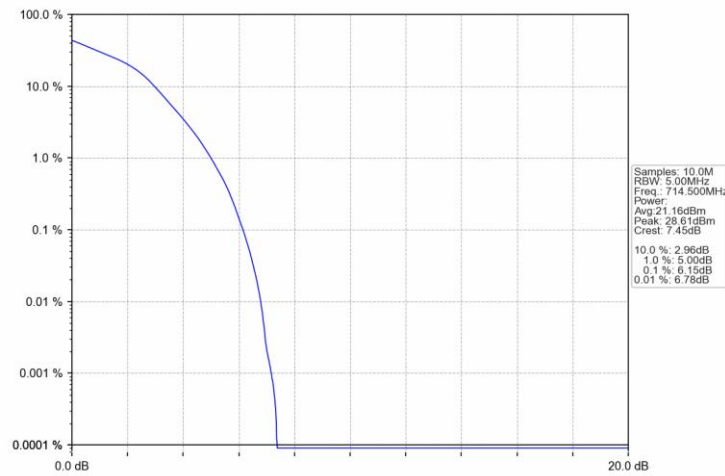
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

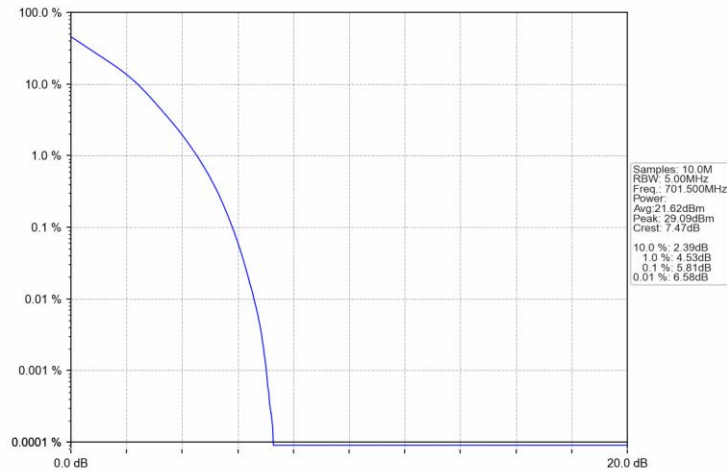


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

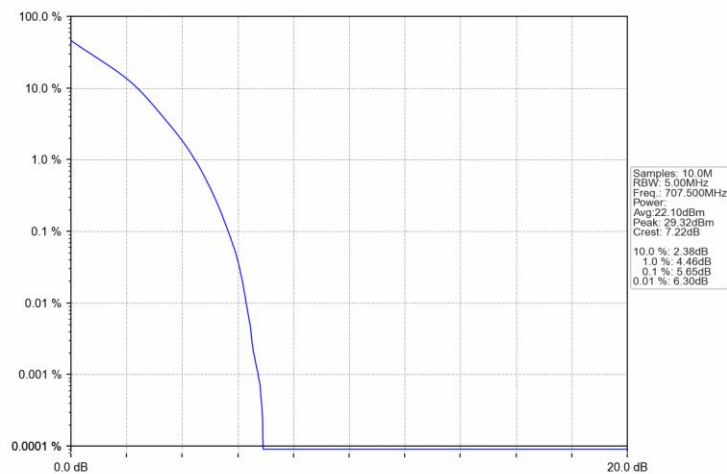


5.2.3 B12_5MHz

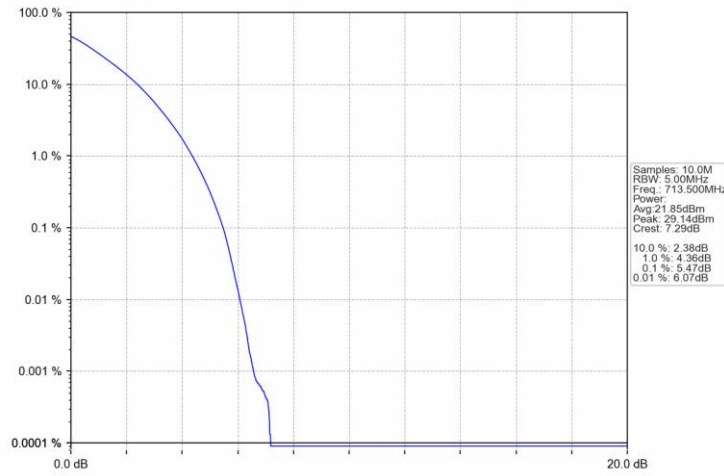
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



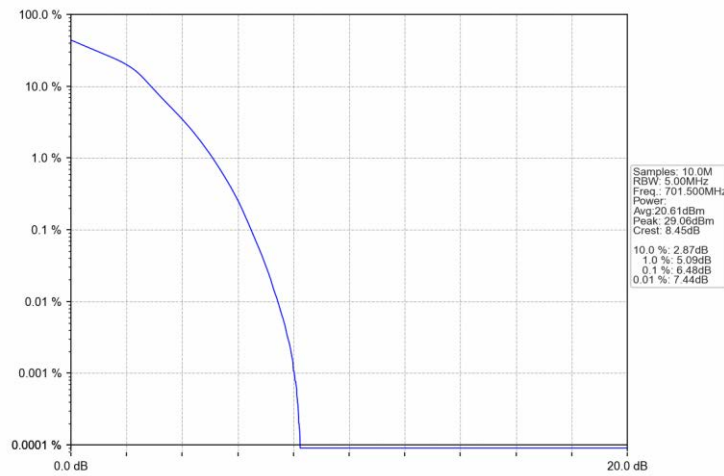
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



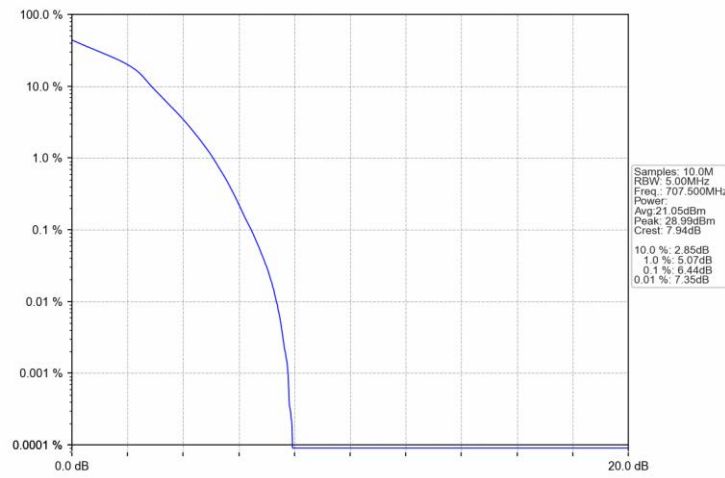
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



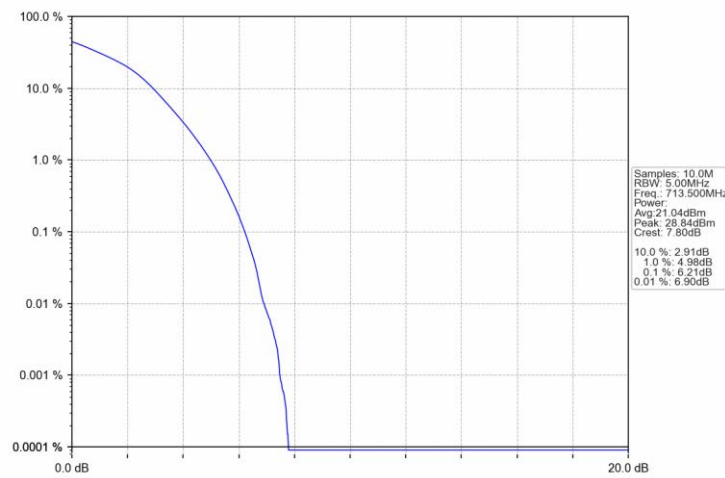
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

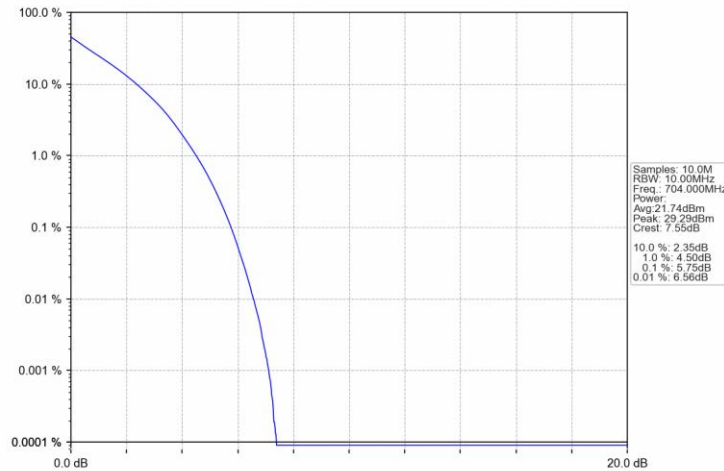


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

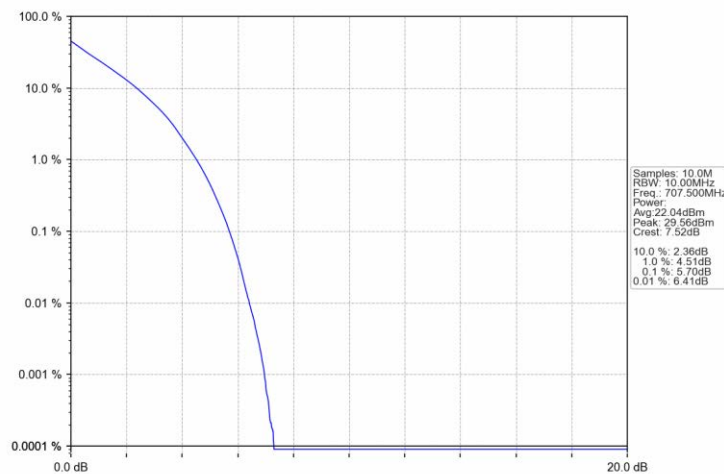


5.2.4 B12_10MHz

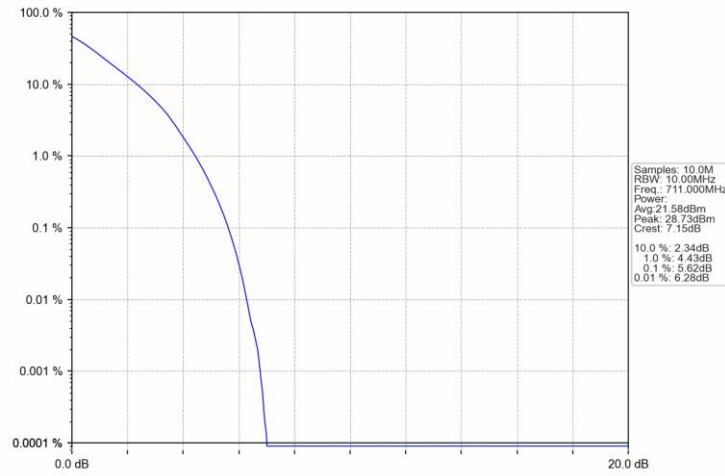
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



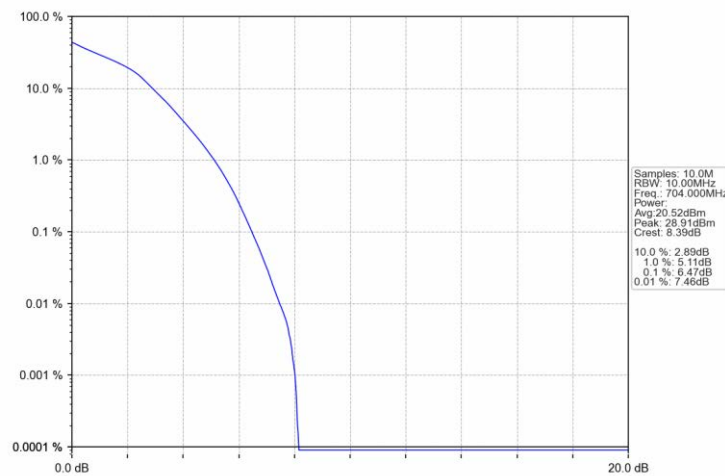
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



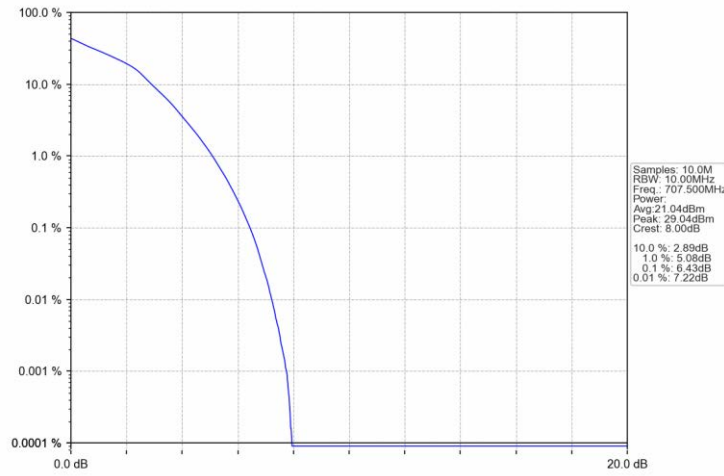
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



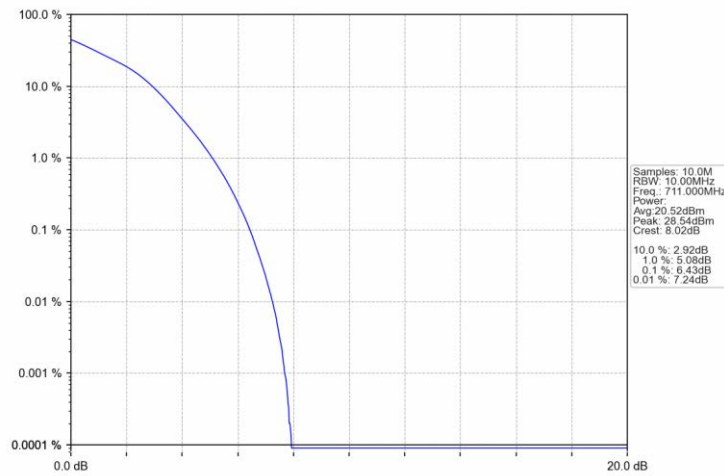
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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 / NTNV					
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
	707.5	1	0	Refer To Test Graph	Pass
		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
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass

6.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV					
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
	707.5	1	0	Refer To Test Graph	Pass
		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
		1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass

6.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV					
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
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	701.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

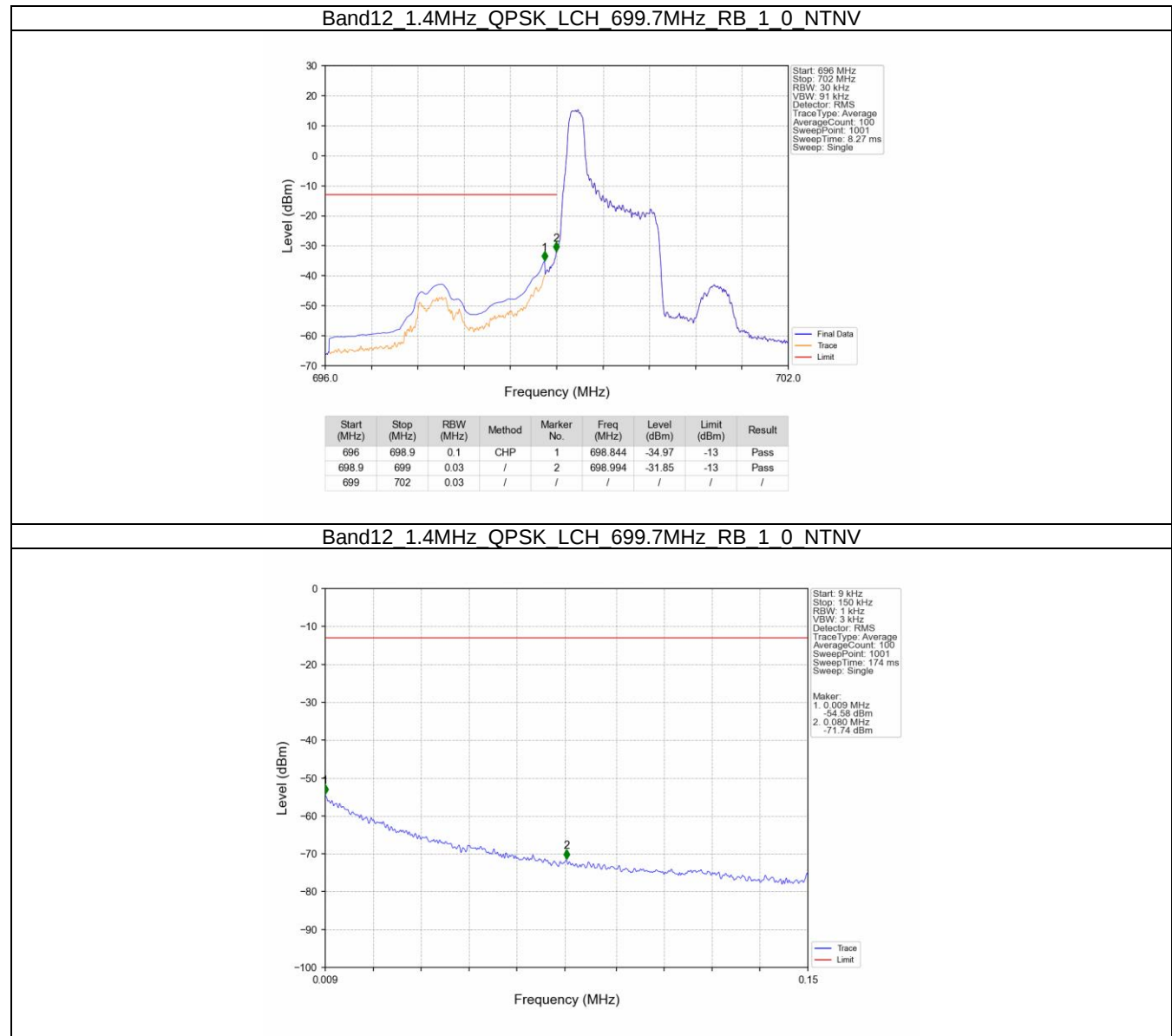
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

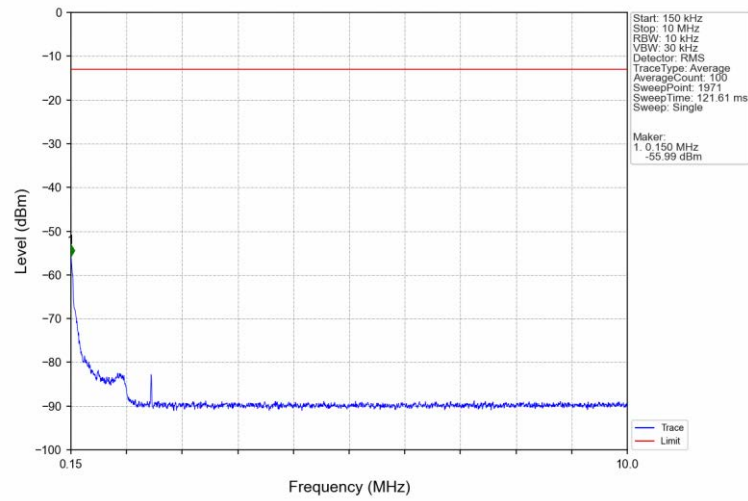
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

6.2 Test Graph

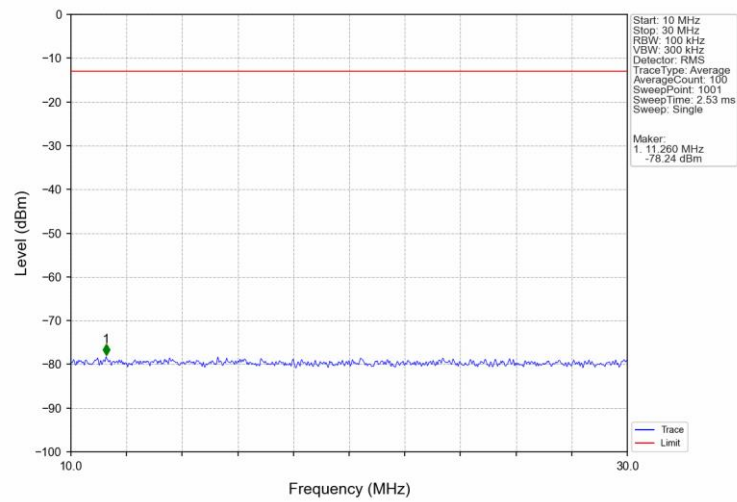
6.2.1 B12_1.4MHz



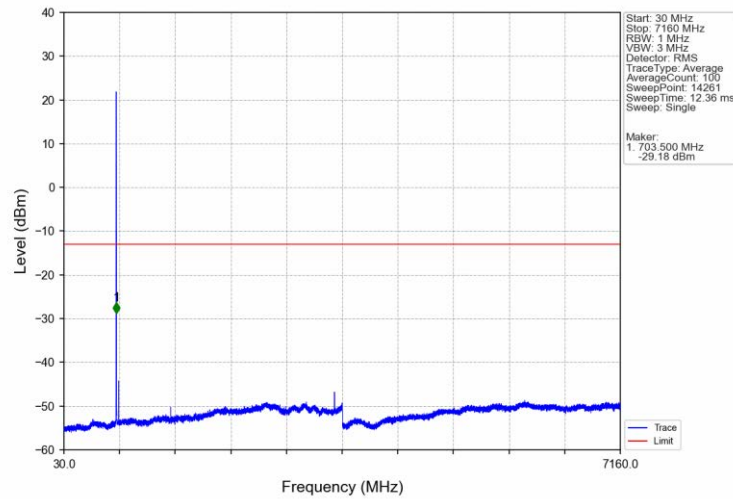
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



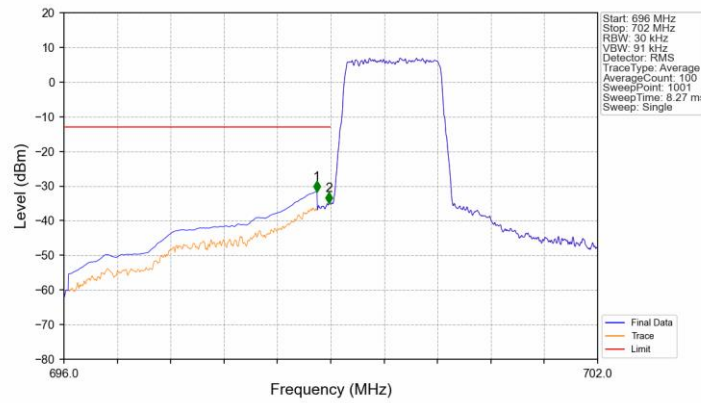
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

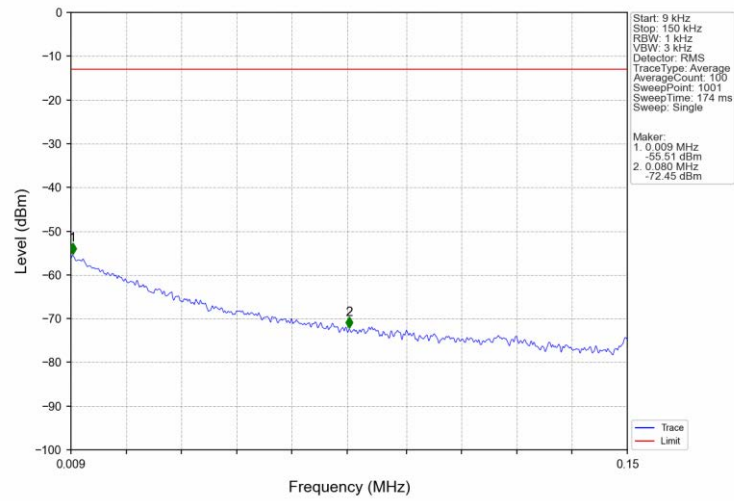


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

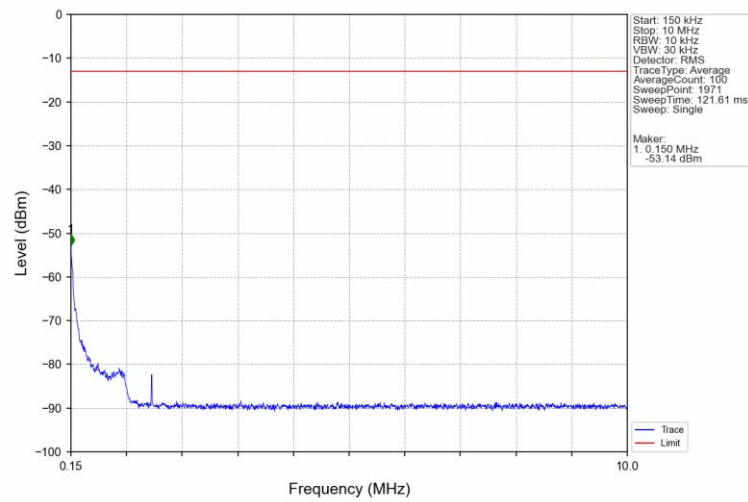


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.69	-13	Pass
698.9	699	0.03	/	2	698.982	-34.98	-13	Pass
699	702	0.03	/	/	/	/	/	/

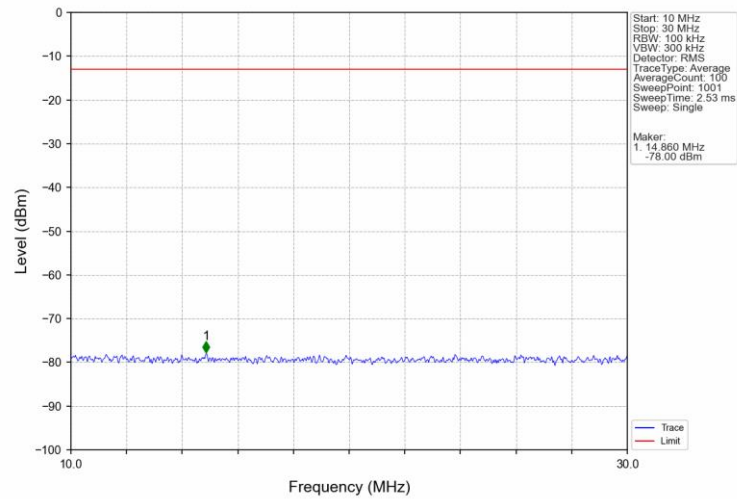
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



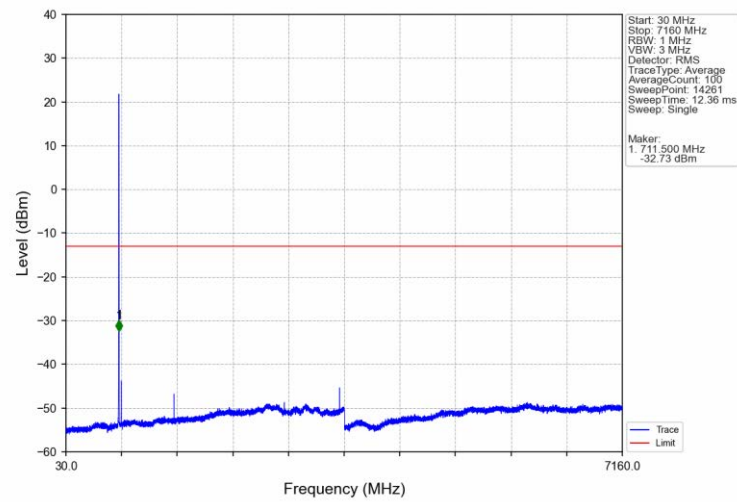
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



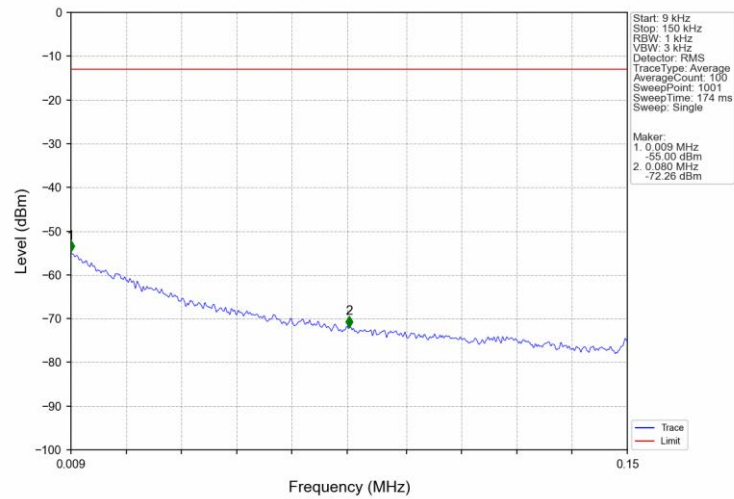
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



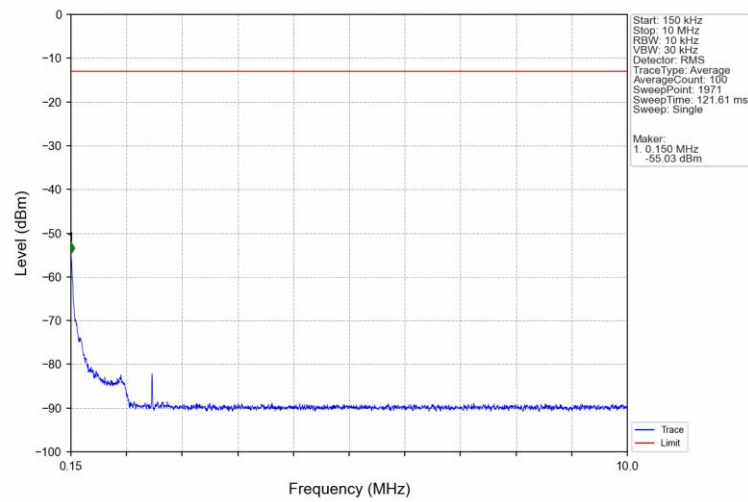
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



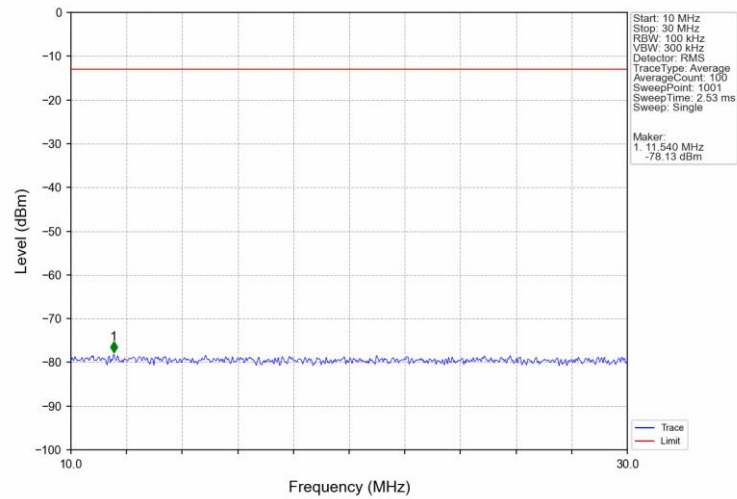
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



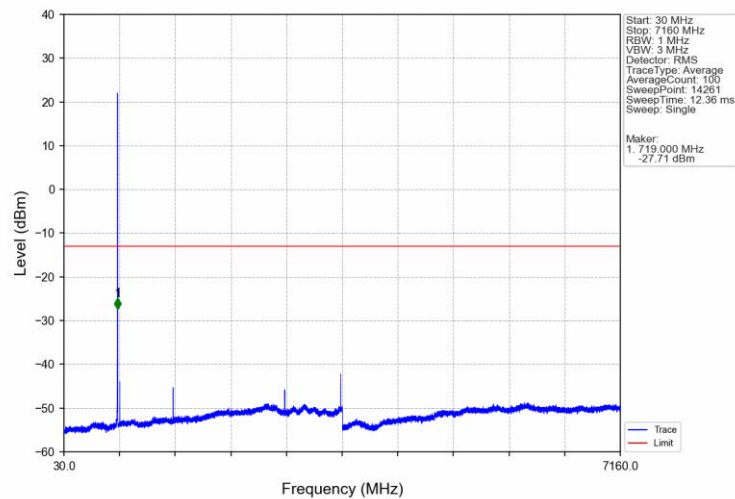
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



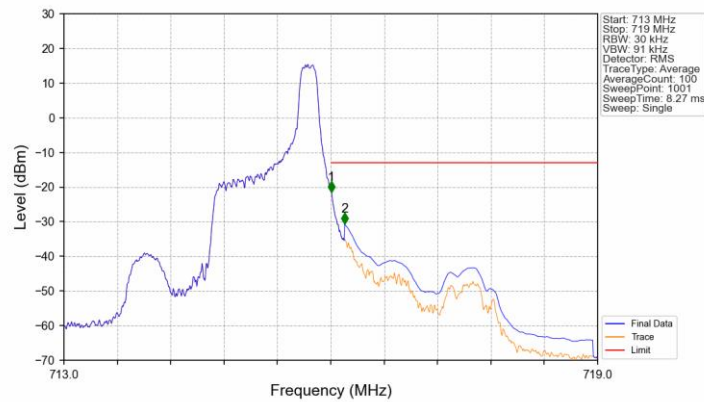
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

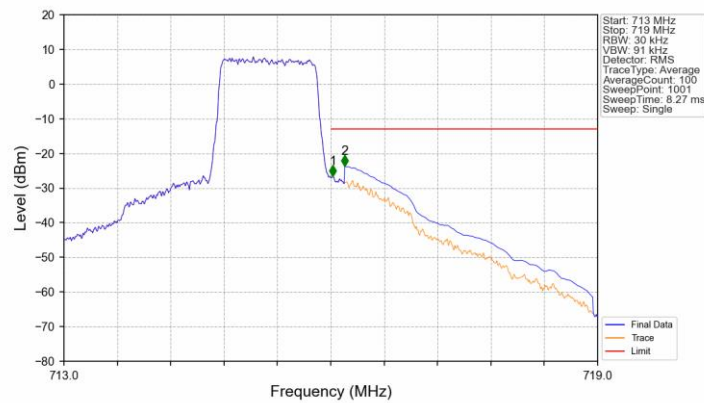


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



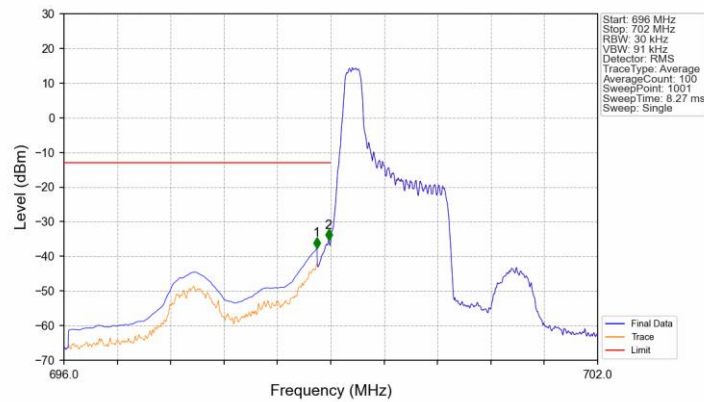
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-21.47	-13	Pass
716.1	719	0.1	CHP	2	716.156	-30.68	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



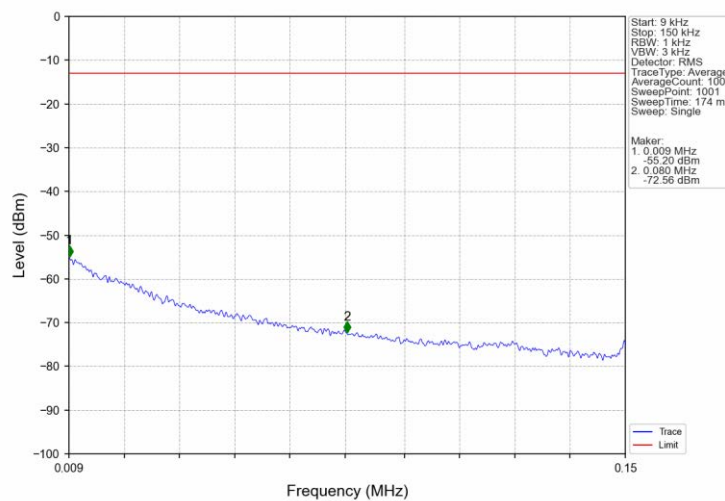
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.024	-26.63	-13	Pass
716.1	719	0.1	CHP	2	716.156	-23.70	-13	Pass

Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV

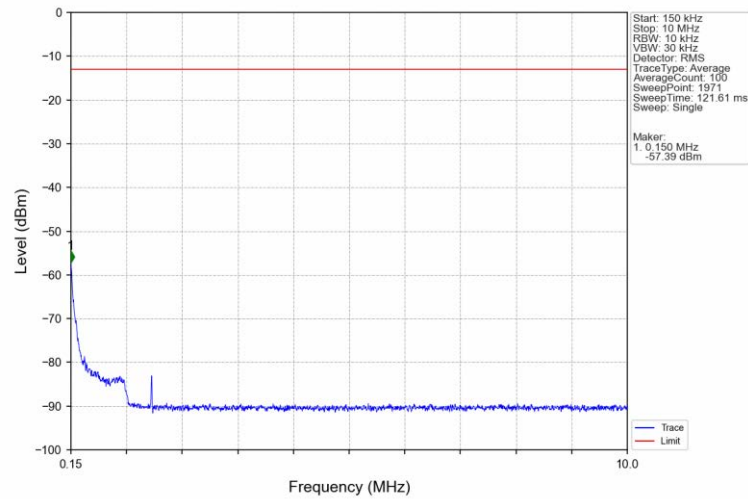


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-37.61	-13	Pass
698.9	699	0.03	/	2	698.976	-35.31	-13	Pass
699	702	0.03	/	/	/	/	/	/

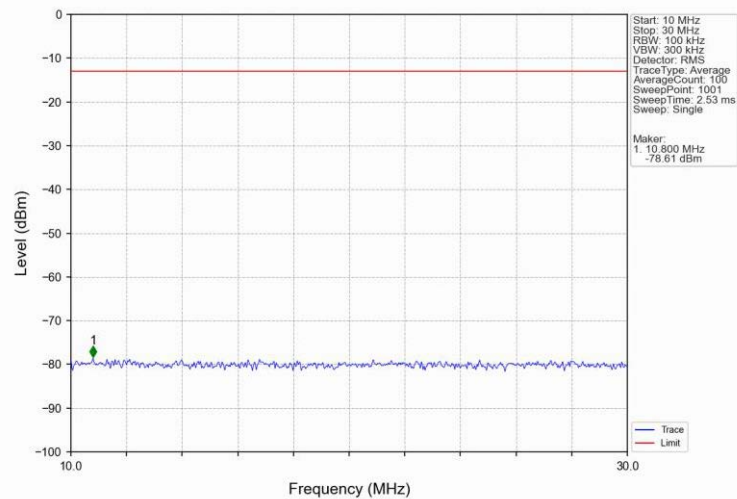
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



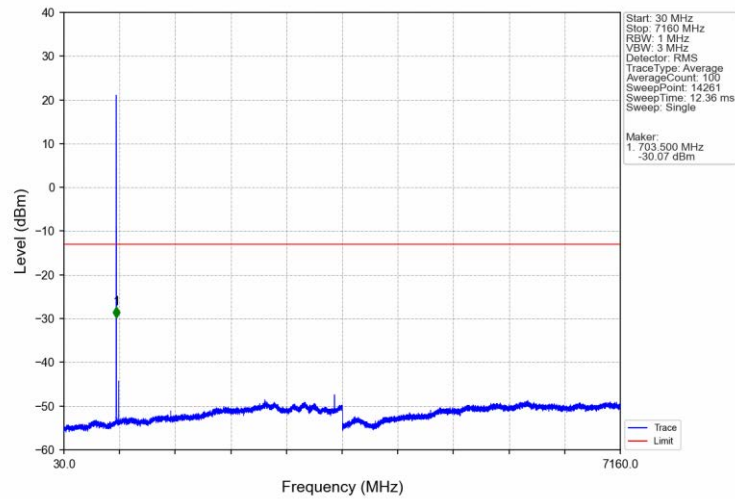
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



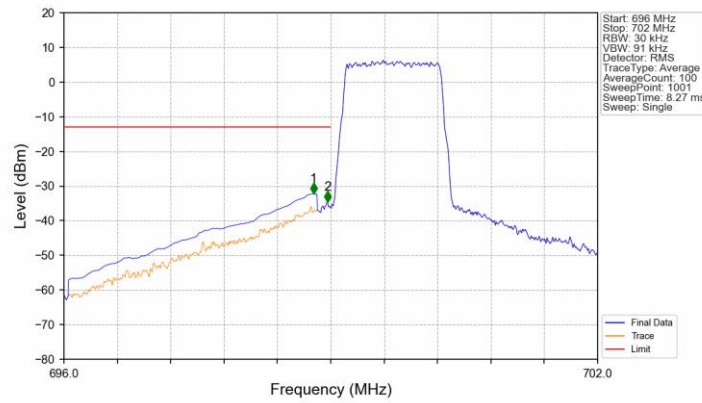
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV

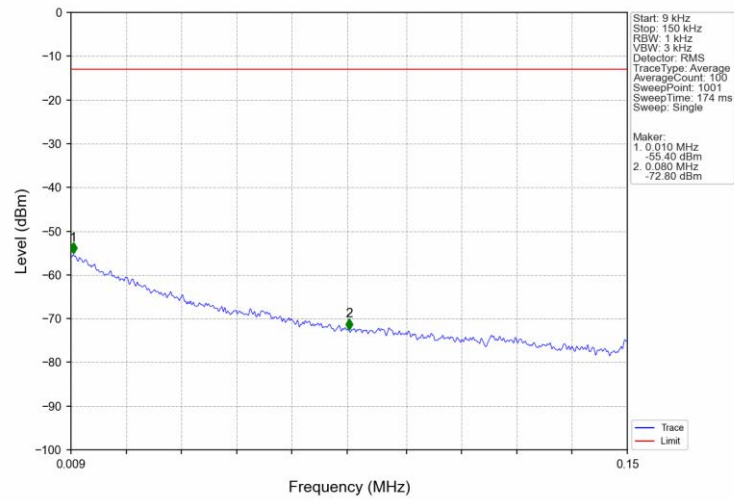


Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV

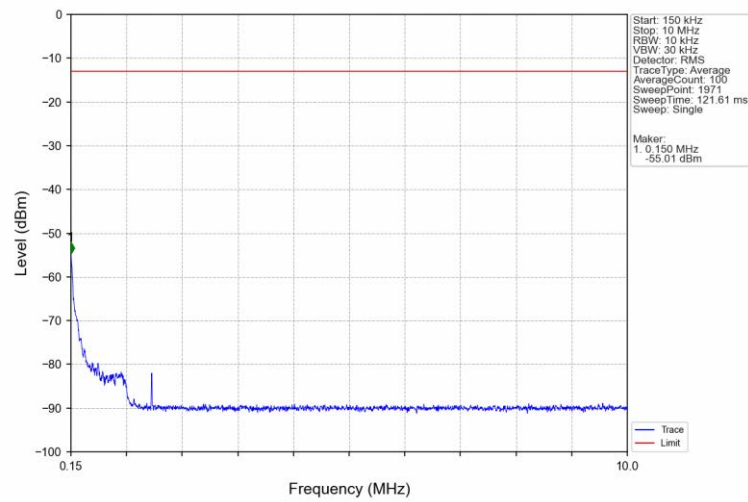


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.808	-32.20	-13	Pass
698.9	699	0.03	/	2	698.964	-34.62	-13	Pass
699	702	0.03	/	/	/	/	/	/

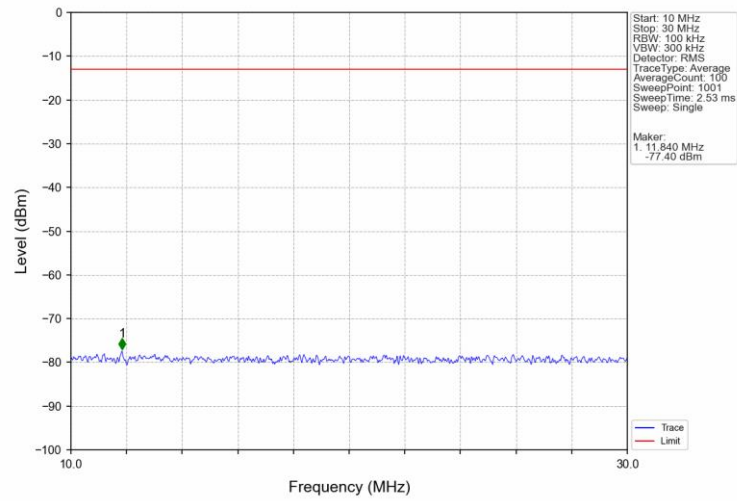
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



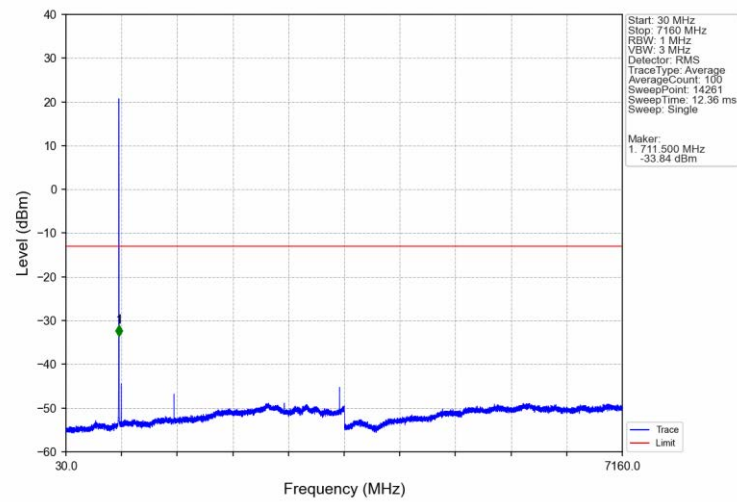
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



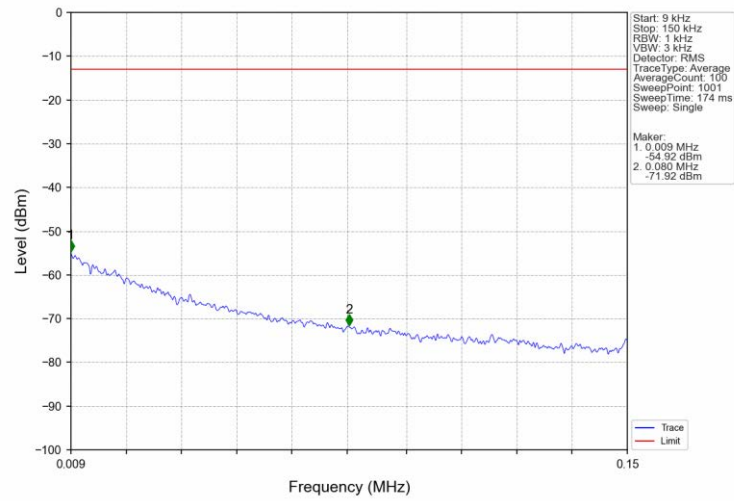
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



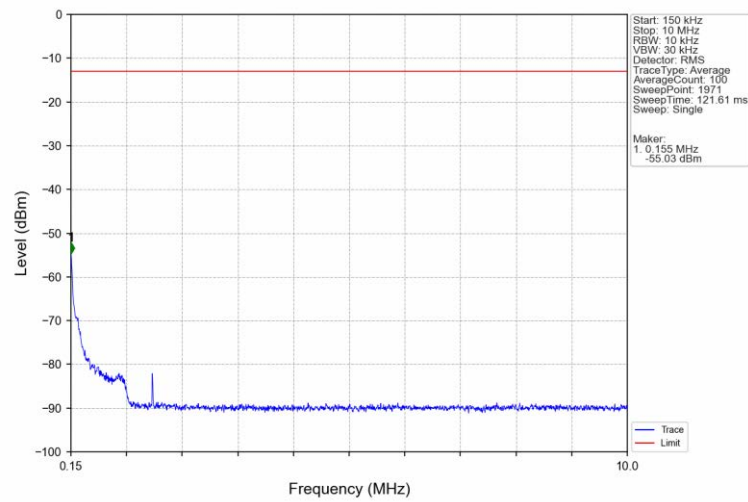
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



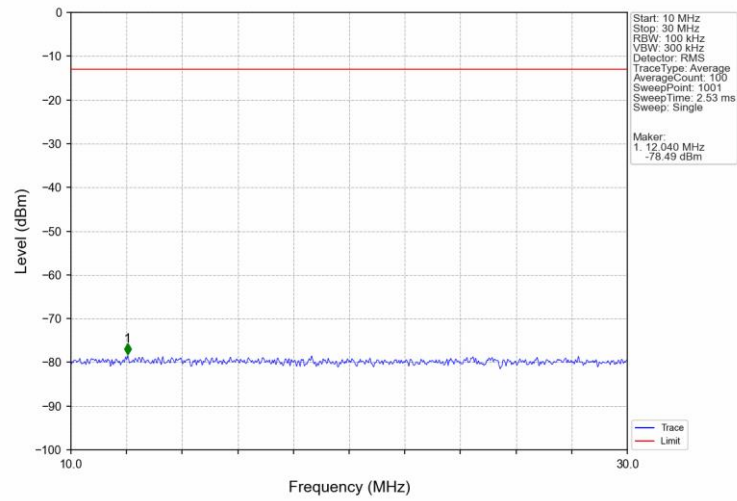
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



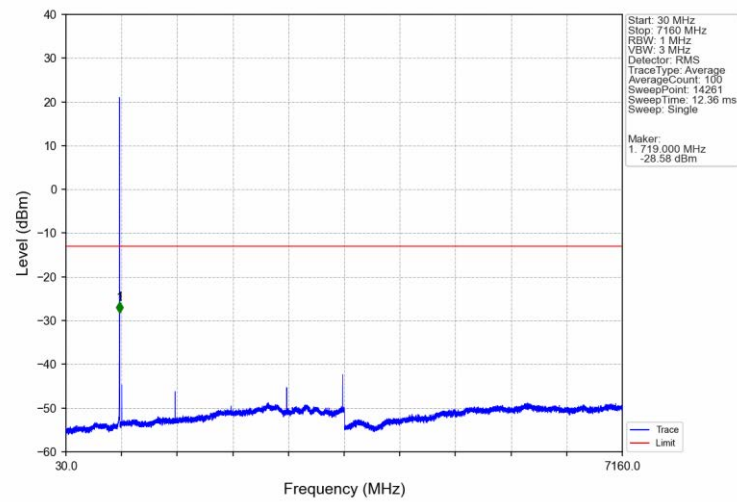
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



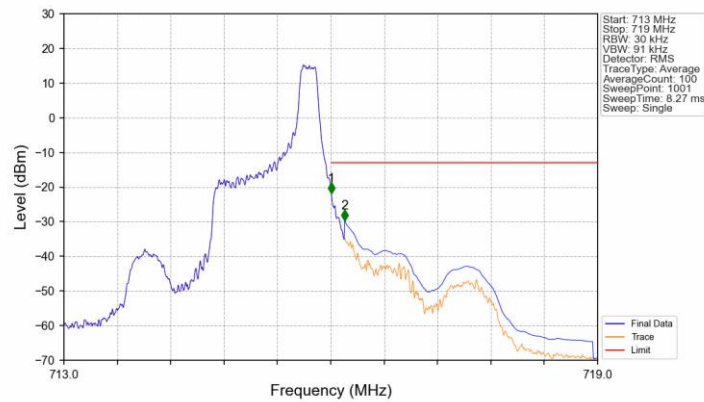
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

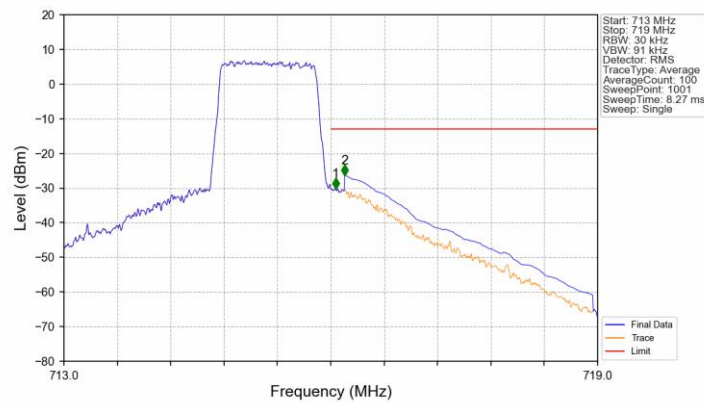


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



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	-21.80	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.71	-13	Pass

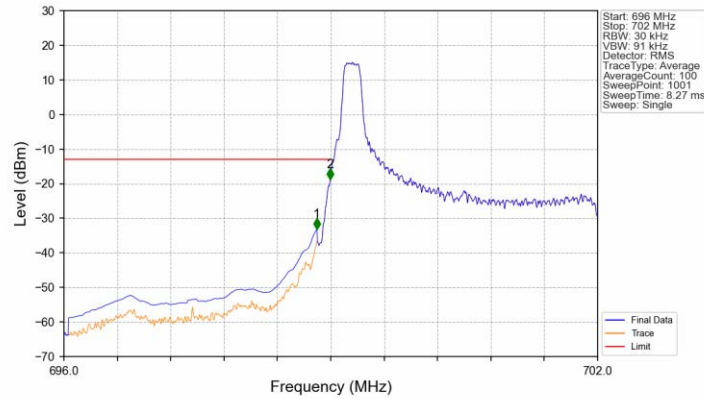
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



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	716.054	-30.15	-13	Pass
716.1	719	0.1	CHP	2	716.156	-26.34	-13	Pass

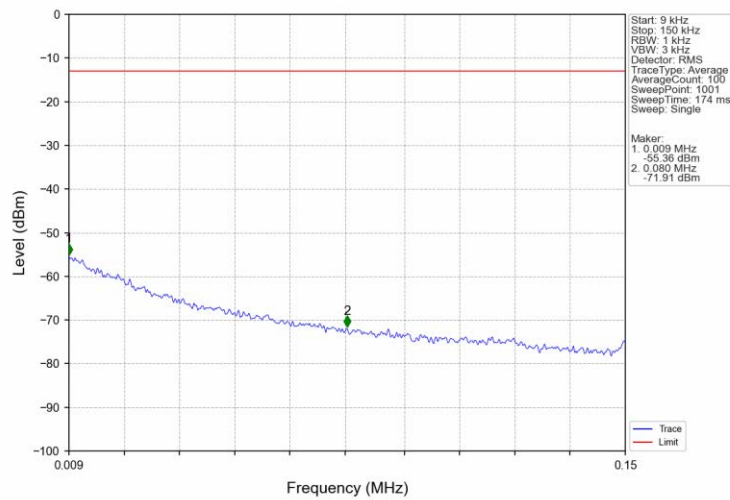
6.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

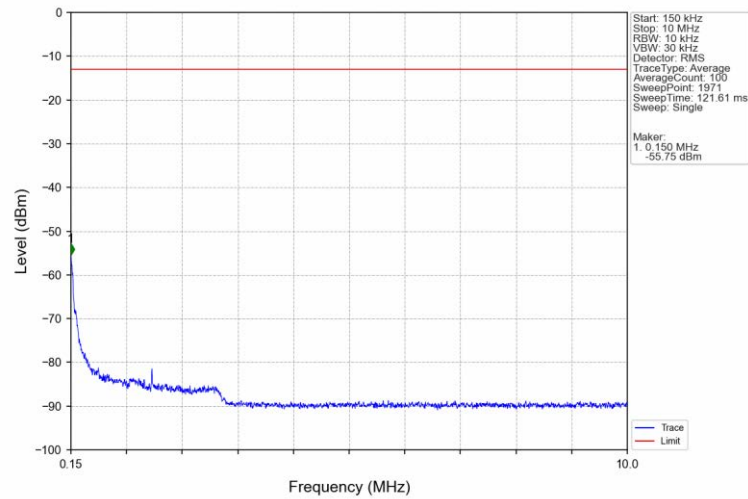


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-33.15	-13	Pass
698.9	699	0.03	/	2	698.994	-18.81	-13	Pass
699	702	0.03	/	/	/	/	/	/

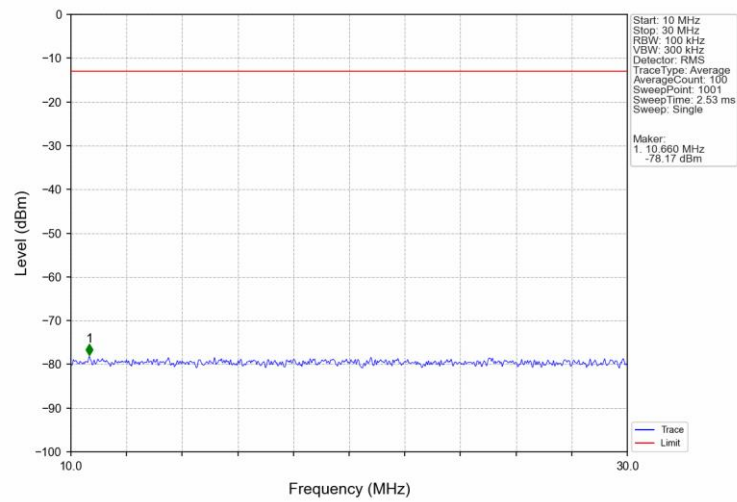
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



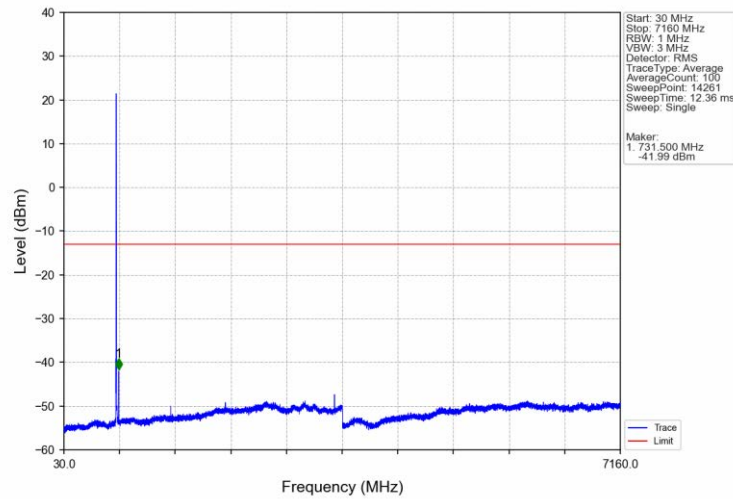
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



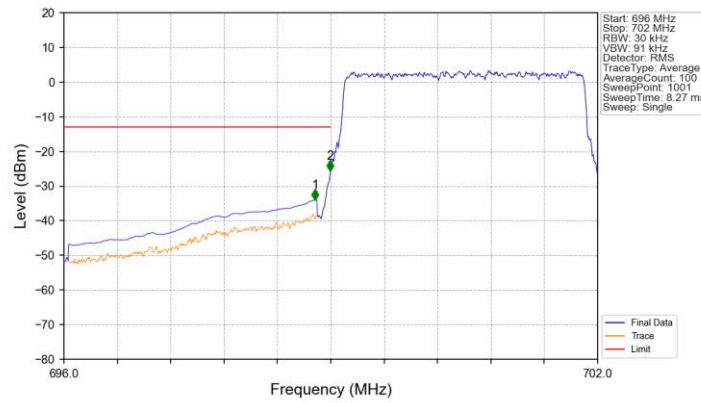
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

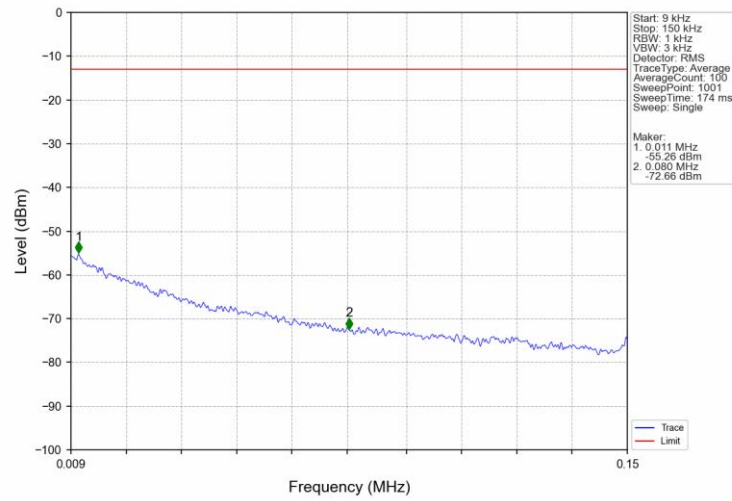


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

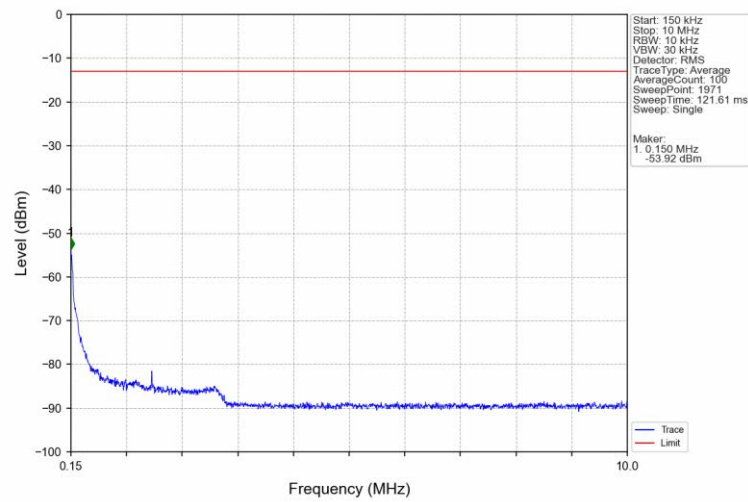


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.826	-33.98	-13	Pass
698.9	699	0.03	/	2	698.994	-25.71	-13	Pass
699	702	0.03	/	/	/	/	/	/

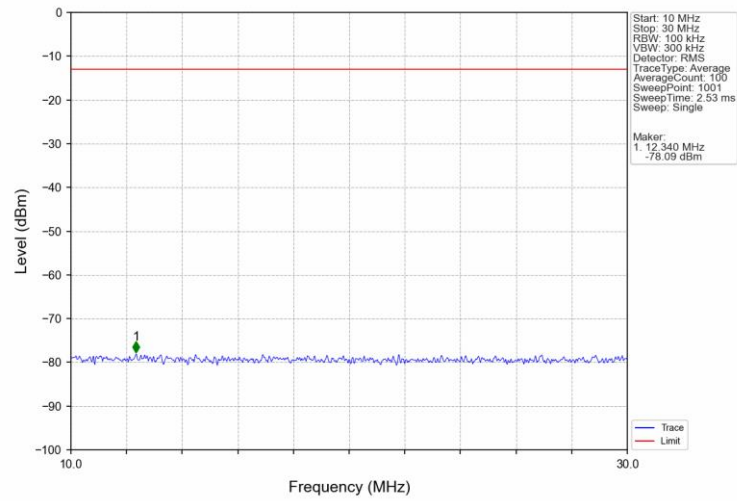
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



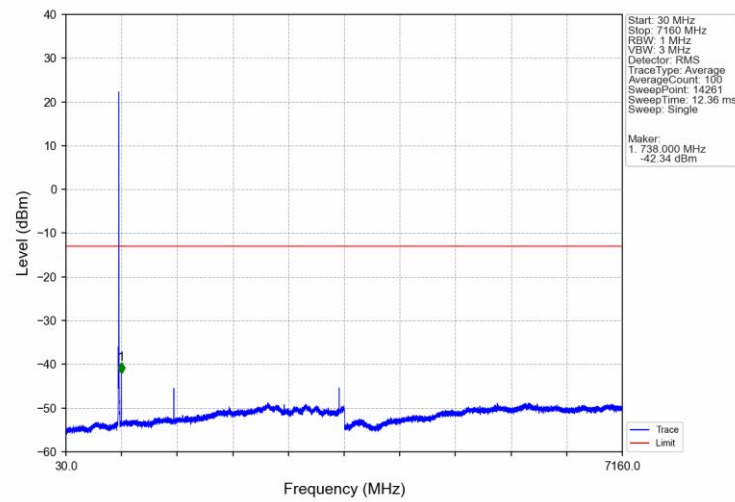
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



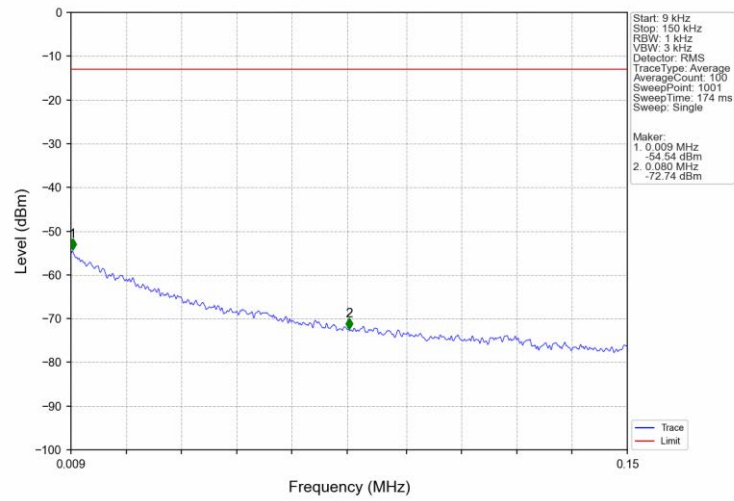
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



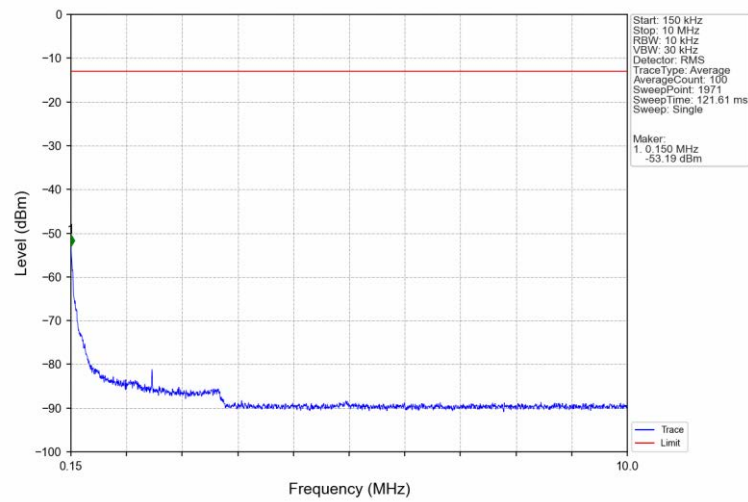
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



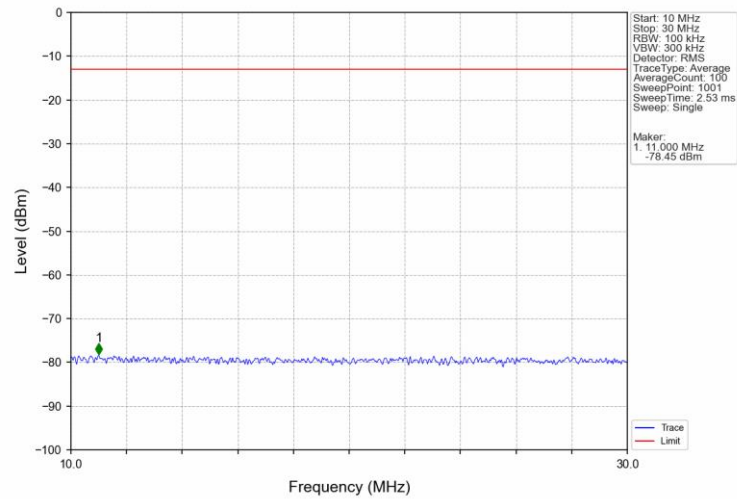
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



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

