

1. Effective (Isotropic) Radiated Power Output Data

1.1 B12_1.4MHz_ERP

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	21.71	1.28	20.84	<=34.77	Pass
			2	22.00	1.28	21.13	<=34.77	Pass
			5	22.00	1.28	21.13	<=34.77	Pass
		3	0	21.69	1.28	20.82	<=34.77	Pass
			2	21.79	1.28	20.92	<=34.77	Pass
			3	21.81	1.28	20.94	<=34.77	Pass
		6	0	20.77	1.28	19.90	<=34.77	Pass
	707.5	1	0	21.94	1.28	21.07	<=34.77	Pass
			2	21.89	1.28	21.02	<=34.77	Pass
			5	21.90	1.28	21.03	<=34.77	Pass
		3	0	21.85	1.28	20.98	<=34.77	Pass
			2	21.92	1.28	21.05	<=34.77	Pass
			3	21.88	1.28	21.01	<=34.77	Pass
		6	0	20.83	1.28	19.96	<=34.77	Pass
	715.3	1	0	21.82	1.28	20.95	<=34.77	Pass
			2	21.76	1.28	20.89	<=34.77	Pass
			5	22.03	1.28	21.16	<=34.77	Pass
		3	0	21.77	1.28	20.90	<=34.77	Pass
			2	21.86	1.28	20.99	<=34.77	Pass
			3	21.86	1.28	20.99	<=34.77	Pass
		6	0	20.72	1.28	19.85	<=34.77	Pass
16QAM	699.7	1	0	20.46	1.28	19.59	<=34.77	Pass
			2	21.34	1.28	20.47	<=34.77	Pass
			5	21.60	1.28	20.73	<=34.77	Pass
		3	0	20.80	1.28	19.93	<=34.77	Pass
			2	20.98	1.28	20.11	<=34.77	Pass
			3	20.99	1.28	20.12	<=34.77	Pass
		6	0	19.97	1.28	19.10	<=34.77	Pass
	707.5	1	0	20.80	1.28	19.93	<=34.77	Pass
			2	20.88	1.28	20.01	<=34.77	Pass
			5	21.00	1.28	20.13	<=34.77	Pass
		3	0	20.96	1.28	20.09	<=34.77	Pass
			2	21.18	1.28	20.31	<=34.77	Pass
			3	21.15	1.28	20.28	<=34.77	Pass
		6	0	19.77	1.28	18.90	<=34.77	Pass
	715.3	1	0	20.60	1.28	19.73	<=34.77	Pass
			2	20.82	1.28	19.95	<=34.77	Pass
			5	20.90	1.28	20.03	<=34.77	Pass
		3	0	20.83	1.28	19.96	<=34.77	Pass
			2	21.16	1.28	20.29	<=34.77	Pass
			3	21.25	1.28	20.38	<=34.77	Pass
		6	0	19.75	1.28	18.88	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B12_3MHz_ERP

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	21.83	1.28	20.96	<=34.77	Pass
			7	22.07	1.28	21.20	<=34.77	Pass
			14	21.76	1.28	20.89	<=34.77	Pass
		8	0	20.78	1.28	19.91	<=34.77	Pass
			4	20.83	1.28	19.96	<=34.77	Pass
			7	20.82	1.28	19.95	<=34.77	Pass
		15	0	20.86	1.28	19.99	<=34.77	Pass
	707.5	1	0	21.85	1.28	20.98	<=34.77	Pass
			7	21.93	1.28	21.06	<=34.77	Pass
			14	21.95	1.28	21.08	<=34.77	Pass
		8	0	20.84	1.28	19.97	<=34.77	Pass
			4	20.89	1.28	20.02	<=34.77	Pass
			7	20.99	1.28	20.12	<=34.77	Pass
		15	0	20.83	1.28	19.96	<=34.77	Pass
	714.5	1	0	21.83	1.28	20.96	<=34.77	Pass
			7	21.80	1.28	20.93	<=34.77	Pass
			14	21.77	1.28	20.90	<=34.77	Pass
		8	0	20.64	1.28	19.77	<=34.77	Pass
			4	20.67	1.28	19.80	<=34.77	Pass
			7	20.67	1.28	19.80	<=34.77	Pass
		15	0	20.75	1.28	19.88	<=34.77	Pass
16QAM	700.5	1	0	20.96	1.28	20.09	<=34.77	Pass
			7	20.86	1.28	19.99	<=34.77	Pass
			14	20.39	1.28	19.52	<=34.77	Pass
		8	0	19.64	1.28	18.77	<=34.77	Pass
			4	19.78	1.28	18.91	<=34.77	Pass
			7	19.85	1.28	18.98	<=34.77	Pass
		15	0	19.72	1.28	18.85	<=34.77	Pass
	707.5	1	0	21.24	1.28	20.37	<=34.77	Pass
			7	21.76	1.28	20.89	<=34.77	Pass
			14	21.11	1.28	20.24	<=34.77	Pass
		8	0	20.00	1.28	19.13	<=34.77	Pass
			4	20.04	1.28	19.17	<=34.77	Pass
			7	20.16	1.28	19.29	<=34.77	Pass
		15	0	20.08	1.28	19.21	<=34.77	Pass
	714.5	1	0	21.02	1.28	20.15	<=34.77	Pass
			7	20.96	1.28	20.09	<=34.77	Pass
			14	21.54	1.28	20.67	<=34.77	Pass
		8	0	19.88	1.28	19.01	<=34.77	Pass
4			20.04	1.28	19.17	<=34.77	Pass	
7			20.10	1.28	19.23	<=34.77	Pass	
15		0	19.91	1.28	19.04	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.3 B12_5MHz_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	21.56	1.28	20.69	<=34.77	Pass

		12	13	21.87	1.28	21.00	<=34.77	Pass
			24	21.70	1.28	20.83	<=34.77	Pass
			0	20.70	1.28	19.83	<=34.77	Pass
			6	20.68	1.28	19.81	<=34.77	Pass
			13	20.64	1.28	19.77	<=34.77	Pass
			25	0	20.80	1.28	19.93	<=34.77
	707.5	1	0	21.68	1.28	20.81	<=34.77	Pass
			13	21.90	1.28	21.03	<=34.77	Pass
			24	21.87	1.28	21.00	<=34.77	Pass
		12	0	20.80	1.28	19.93	<=34.77	Pass
			6	20.88	1.28	20.01	<=34.77	Pass
			13	20.99	1.28	20.12	<=34.77	Pass
	25	0	20.84	1.28	19.97	<=34.77	Pass	
	713.5	1	0	21.67	1.28	20.80	<=34.77	Pass
			13	21.58	1.28	20.71	<=34.77	Pass
			24	21.60	1.28	20.73	<=34.77	Pass
		12	0	20.78	1.28	19.91	<=34.77	Pass
			6	20.72	1.28	19.85	<=34.77	Pass
			13	20.67	1.28	19.80	<=34.77	Pass
	25	0	20.72	1.28	19.85	<=34.77	Pass	
16QAM	701.5	1	0	20.82	1.28	19.95	<=34.77	Pass
			13	20.72	1.28	19.85	<=34.77	Pass
			24	20.57	1.28	19.70	<=34.77	Pass
		12	0	19.86	1.28	18.99	<=34.77	Pass
			6	19.82	1.28	18.95	<=34.77	Pass
			13	19.78	1.28	18.91	<=34.77	Pass
	25	0	19.72	1.28	18.85	<=34.77	Pass	
	707.5	1	0	20.81	1.28	19.94	<=34.77	Pass
			13	21.33	1.28	20.46	<=34.77	Pass
			24	21.37	1.28	20.50	<=34.77	Pass
		12	0	19.73	1.28	18.86	<=34.77	Pass
			6	19.95	1.28	19.08	<=34.77	Pass
			13	20.04	1.28	19.17	<=34.77	Pass
	25	0	19.85	1.28	18.98	<=34.77	Pass	
	713.5	1	0	20.13	1.28	19.26	<=34.77	Pass
			13	20.03	1.28	19.16	<=34.77	Pass
			24	20.49	1.28	19.62	<=34.77	Pass
		12	0	19.72	1.28	18.85	<=34.77	Pass
6			19.79	1.28	18.92	<=34.77	Pass	
13			19.60	1.28	18.73	<=34.77	Pass	
25	0	19.86	1.28	18.99	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.4 B12_10MHz_ERP

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	21.74	1.28	20.87	<=34.77	Pass
			25	22.16	1.28	21.29	<=34.77	Pass
			49	21.90	1.28	21.03	<=34.77	Pass
		25	0	21.01	1.28	20.14	<=34.77	Pass
			13	20.97	1.28	20.10	<=34.77	Pass
			25	21.13	1.28	20.26	<=34.77	Pass
		50	0	21.11	1.28	20.24	<=34.77	Pass
	707.5	1	0	22.10	1.28	21.23	<=34.77	Pass
			25	22.11	1.28	21.24	<=34.77	Pass
			49	21.89	1.28	21.02	<=34.77	Pass

		25	0	20.97	1.28	20.10	<=34.77	Pass
			13	21.09	1.28	20.22	<=34.77	Pass
			25	21.10	1.28	20.23	<=34.77	Pass
		50	0	20.96	1.28	20.09	<=34.77	Pass
	711	1	0	21.94	1.28	21.07	<=34.77	Pass
			25	22.35	1.28	21.48	<=34.77	Pass
			49	21.44	1.28	20.57	<=34.77	Pass
		25	0	20.97	1.28	20.10	<=34.77	Pass
			13	21.21	1.28	20.34	<=34.77	Pass
			25	20.95	1.28	20.08	<=34.77	Pass
		50	0	20.94	1.28	20.07	<=34.77	Pass
16QAM	704	1	0	20.51	1.28	19.64	<=34.77	Pass
			25	21.86	1.28	20.99	<=34.77	Pass
			49	21.62	1.28	20.75	<=34.77	Pass
		25	0	20.08	1.28	19.21	<=34.77	Pass
			13	20.10	1.28	19.23	<=34.77	Pass
			25	19.92	1.28	19.05	<=34.77	Pass
		50	0	20.04	1.28	19.17	<=34.77	Pass
	707.5	1	0	21.18	1.28	20.31	<=34.77	Pass
			25	21.61	1.28	20.74	<=34.77	Pass
			49	21.21	1.28	20.34	<=34.77	Pass
		25	0	20.11	1.28	19.24	<=34.77	Pass
			13	20.09	1.28	19.22	<=34.77	Pass
			25	20.18	1.28	19.31	<=34.77	Pass
		50	0	19.91	1.28	19.04	<=34.77	Pass
	711	1	0	20.94	1.28	20.07	<=34.77	Pass
			25	21.62	1.28	20.75	<=34.77	Pass
			49	20.39	1.28	19.52	<=34.77	Pass
		25	0	20.11	1.28	19.24	<=34.77	Pass
			13	20.33	1.28	19.46	<=34.77	Pass
			25	20.21	1.28	19.34	<=34.77	Pass
		50	0	19.91	1.28	19.04	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B12_1.4MHz

2.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	10.2	-1.931	-0.0028	-2.5 to 2.5	Pass
					12	-1.531	-0.0022	-2.5 to 2.5	Pass
					13.8	-1.659	-0.0024	-2.5 to 2.5	Pass
				-30	12	-1.659	-0.0024	-2.5 to 2.5	Pass
				-20	12	-0.429	-0.0006	-2.5 to 2.5	Pass
				-10	12	-1.173	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.330	-0.0019	-2.5 to 2.5	Pass
				10	12	-1.745	-0.0025	-2.5 to 2.5	Pass
				30	12	-1.831	-0.0026	-2.5 to 2.5	Pass
				40	12	-1.659	-0.0024	-2.5 to 2.5	Pass
				50	12	-2.074	-0.0030	-2.5 to 2.5	Pass
	707.5	6	0	20	10.2	-0.801	-0.0011	-2.5 to 2.5	Pass
					12	-0.715	-0.0010	-2.5 to 2.5	Pass
					13.8	0.000	0.0000	-2.5 to 2.5	Pass
				-30	12	0.243	0.0003	-2.5 to 2.5	Pass
				-20	12	0.057	0.0001	-2.5 to 2.5	Pass

	715.3	6	0	-10	12	-0.286	-0.0004	-2.5 to 2.5	Pass
				0	12	0.072	0.0001	-2.5 to 2.5	Pass
				10	12	-1.044	-0.0015	-2.5 to 2.5	Pass
				30	12	-0.701	-0.0010	-2.5 to 2.5	Pass
				40	12	-0.687	-0.0010	-2.5 to 2.5	Pass
				50	12	-0.014	0.0000	-2.5 to 2.5	Pass
				20	10.2	-0.830	-0.0012	-2.5 to 2.5	Pass
					12	-1.445	-0.0020	-2.5 to 2.5	Pass
					13.8	-0.815	-0.0011	-2.5 to 2.5	Pass
				-30	12	-0.372	-0.0005	-2.5 to 2.5	Pass
	699.7	6	0	-20	12	-1.659	-0.0023	-2.5 to 2.5	Pass
				-10	12	-1.159	-0.0016	-2.5 to 2.5	Pass
				0	12	-1.044	-0.0015	-2.5 to 2.5	Pass
				10	12	-1.030	-0.0014	-2.5 to 2.5	Pass
				30	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				40	12	-1.059	-0.0015	-2.5 to 2.5	Pass
				50	12	-1.245	-0.0017	-2.5 to 2.5	Pass
				20	10.2	-0.658	-0.0009	-2.5 to 2.5	Pass
					12	-0.172	-0.0002	-2.5 to 2.5	Pass
					13.8	-0.572	-0.0008	-2.5 to 2.5	Pass
16QAM	707.5	6	0	-30	12	-1.116	-0.0016	-2.5 to 2.5	Pass
				-20	12	-0.529	-0.0008	-2.5 to 2.5	Pass
				-10	12	-1.330	-0.0019	-2.5 to 2.5	Pass
				0	12	-0.930	-0.0013	-2.5 to 2.5	Pass
				10	12	-0.257	-0.0004	-2.5 to 2.5	Pass
				30	12	-0.086	-0.0001	-2.5 to 2.5	Pass
				40	12	-0.744	-0.0011	-2.5 to 2.5	Pass
				50	12	-0.901	-0.0013	-2.5 to 2.5	Pass
				20	10.2	-0.629	-0.0009	-2.5 to 2.5	Pass
					12	-0.286	-0.0004	-2.5 to 2.5	Pass
					13.8	-0.601	-0.0008	-2.5 to 2.5	Pass
	715.3	6	0	-30	12	-0.343	-0.0005	-2.5 to 2.5	Pass
				-20	12	0.114	0.0002	-2.5 to 2.5	Pass
				-10	12	-0.401	-0.0006	-2.5 to 2.5	Pass
				0	12	-0.200	-0.0003	-2.5 to 2.5	Pass
				10	12	0.014	0.0000	-2.5 to 2.5	Pass
				30	12	-0.715	-0.0010	-2.5 to 2.5	Pass
				40	12	-0.615	-0.0009	-2.5 to 2.5	Pass
				50	12	-0.372	-0.0005	-2.5 to 2.5	Pass
				20	10.2	-0.386	-0.0005	-2.5 to 2.5	Pass
					12	-0.229	-0.0003	-2.5 to 2.5	Pass
					13.8	-0.644	-0.0009	-2.5 to 2.5	Pass
				-30	12	0.501	0.0007	-2.5 to 2.5	Pass
				-20	12	0.429	0.0006	-2.5 to 2.5	Pass
				-10	12	-0.014	0.0000	-2.5 to 2.5	Pass
				0	12	-1.144	-0.0016	-2.5 to 2.5	Pass
				10	12	-0.429	-0.0006	-2.5 to 2.5	Pass
				30	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	12	0.143	0.0002	-2.5 to 2.5	Pass
				50	12	0.272	0.0004	-2.5 to 2.5	Pass

2.2 B12_3MHz

2.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	10.2	-3.347	-0.0048	-2.5 to 2.5	Pass
					12	-3.505	-0.0050	-2.5 to 2.5	Pass

					13.8	-4.263	-0.0061	-2.5 to 2.5	Pass
				-30	12	-3.676	-0.0052	-2.5 to 2.5	Pass
				-20	12	-3.490	-0.0050	-2.5 to 2.5	Pass
				-10	12	-3.891	-0.0056	-2.5 to 2.5	Pass
				0	12	-3.119	-0.0045	-2.5 to 2.5	Pass
				10	12	-4.005	-0.0057	-2.5 to 2.5	Pass
				30	12	-3.304	-0.0047	-2.5 to 2.5	Pass
				40	12	-2.732	-0.0039	-2.5 to 2.5	Pass
				50	12	-2.475	-0.0035	-2.5 to 2.5	Pass
	707.5	15	0	20	10.2	-1.760	-0.0025	-2.5 to 2.5	Pass
					12	-0.358	-0.0005	-2.5 to 2.5	Pass
					13.8	0.401	0.0006	-2.5 to 2.5	Pass
				-30	12	0.000	0.0000	-2.5 to 2.5	Pass
				-20	12	-0.615	-0.0009	-2.5 to 2.5	Pass
				-10	12	-0.930	-0.0013	-2.5 to 2.5	Pass
				0	12	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	12	0.443	0.0006	-2.5 to 2.5	Pass
				30	12	-0.172	-0.0002	-2.5 to 2.5	Pass
				40	12	0.486	0.0007	-2.5 to 2.5	Pass
				50	12	-0.687	-0.0010	-2.5 to 2.5	Pass
	714.5	15	0	20	10.2	0.000	0.0000	-2.5 to 2.5	Pass
					12	0.472	0.0007	-2.5 to 2.5	Pass
					13.8	0.243	0.0003	-2.5 to 2.5	Pass
				-30	12	-0.501	-0.0007	-2.5 to 2.5	Pass
				-20	12	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	12	0.601	0.0008	-2.5 to 2.5	Pass
				0	12	0.300	0.0004	-2.5 to 2.5	Pass
				10	12	-0.143	-0.0002	-2.5 to 2.5	Pass
				30	12	0.043	0.0001	-2.5 to 2.5	Pass
				40	12	-0.372	-0.0005	-2.5 to 2.5	Pass
				50	12	-0.029	0.0000	-2.5 to 2.5	Pass
	700.5	15	0	20	10.2	-2.847	-0.0041	-2.5 to 2.5	Pass
					12	-3.304	-0.0047	-2.5 to 2.5	Pass
					13.8	-3.977	-0.0057	-2.5 to 2.5	Pass
				-30	12	-2.718	-0.0039	-2.5 to 2.5	Pass
				-20	12	-2.332	-0.0033	-2.5 to 2.5	Pass
				-10	12	-3.104	-0.0044	-2.5 to 2.5	Pass
				0	12	-3.705	-0.0053	-2.5 to 2.5	Pass
				10	12	-3.777	-0.0054	-2.5 to 2.5	Pass
				30	12	-1.588	-0.0023	-2.5 to 2.5	Pass
				40	12	-2.389	-0.0034	-2.5 to 2.5	Pass
				50	12	-2.904	-0.0041	-2.5 to 2.5	Pass
16QAM	707.5	15	0	20	10.2	0.558	0.0008	-2.5 to 2.5	Pass
					12	-0.200	-0.0003	-2.5 to 2.5	Pass
					13.8	0.515	0.0007	-2.5 to 2.5	Pass
				-30	12	0.544	0.0008	-2.5 to 2.5	Pass
				-20	12	0.544	0.0008	-2.5 to 2.5	Pass
				-10	12	0.701	0.0010	-2.5 to 2.5	Pass
				0	12	-0.558	-0.0008	-2.5 to 2.5	Pass
				10	12	0.172	0.0002	-2.5 to 2.5	Pass
				30	12	-0.186	-0.0003	-2.5 to 2.5	Pass
				40	12	0.300	0.0004	-2.5 to 2.5	Pass
				50	12	0.401	0.0006	-2.5 to 2.5	Pass
	714.5	15	0	20	10.2	-1.488	-0.0021	-2.5 to 2.5	Pass
					12	-1.216	-0.0017	-2.5 to 2.5	Pass
					13.8	0.086	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				-20	12	0.215	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.529	-0.0007	-2.5 to 2.5	Pass
				0	12	-0.415	-0.0006	-2.5 to 2.5	Pass
				10	12	-0.257	-0.0004	-2.5 to 2.5	Pass
				30	12	-1.245	-0.0017	-2.5 to 2.5	Pass

				40	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				50	12	-0.372	-0.0005	-2.5 to 2.5	Pass

2.3 B12_5MHz

2.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	10.2	-1.760	-0.0025	-2.5 to 2.5	Pass
					12	-0.815	-0.0012	-2.5 to 2.5	Pass
					13.8	0.229	0.0003	-2.5 to 2.5	Pass
				-30	12	-0.629	-0.0009	-2.5 to 2.5	Pass
				-20	12	-0.658	-0.0009	-2.5 to 2.5	Pass
				-10	12	-0.572	-0.0008	-2.5 to 2.5	Pass
				0	12	-1.316	-0.0019	-2.5 to 2.5	Pass
				10	12	0.415	0.0006	-2.5 to 2.5	Pass
				30	12	0.129	0.0002	-2.5 to 2.5	Pass
				40	12	-0.186	-0.0003	-2.5 to 2.5	Pass
				50	12	0.043	0.0001	-2.5 to 2.5	Pass
	707.5	25	0	20	10.2	-0.329	-0.0005	-2.5 to 2.5	Pass
					12	-1.059	-0.0015	-2.5 to 2.5	Pass
					13.8	-0.858	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.016	-0.0014	-2.5 to 2.5	Pass
				-20	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	12	-0.615	-0.0009	-2.5 to 2.5	Pass
				0	12	-0.601	-0.0008	-2.5 to 2.5	Pass
				10	12	-0.801	-0.0011	-2.5 to 2.5	Pass
				30	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				40	12	-1.216	-0.0017	-2.5 to 2.5	Pass
				50	12	-0.172	-0.0002	-2.5 to 2.5	Pass
	713.5	25	0	20	10.2	0.257	0.0004	-2.5 to 2.5	Pass
					12	-0.701	-0.0010	-2.5 to 2.5	Pass
					13.8	-0.873	-0.0012	-2.5 to 2.5	Pass
				-30	12	0.486	0.0007	-2.5 to 2.5	Pass
				-20	12	0.186	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.644	-0.0009	-2.5 to 2.5	Pass
				0	12	-0.744	-0.0010	-2.5 to 2.5	Pass
				10	12	-1.373	-0.0019	-2.5 to 2.5	Pass
				30	12	-0.615	-0.0009	-2.5 to 2.5	Pass
				40	12	-1.245	-0.0017	-2.5 to 2.5	Pass
				50	12	-0.429	-0.0006	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	10.2	-0.358	-0.0005	-2.5 to 2.5	Pass
					12	0.072	0.0001	-2.5 to 2.5	Pass
					13.8	-0.186	-0.0003	-2.5 to 2.5	Pass
				-30	12	-0.572	-0.0008	-2.5 to 2.5	Pass
				-20	12	-0.072	-0.0001	-2.5 to 2.5	Pass
				-10	12	-0.658	-0.0009	-2.5 to 2.5	Pass
				0	12	-0.815	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.687	-0.0010	-2.5 to 2.5	Pass
				30	12	-0.629	-0.0009	-2.5 to 2.5	Pass
				40	12	-0.644	-0.0009	-2.5 to 2.5	Pass
				50	12	-1.144	-0.0016	-2.5 to 2.5	Pass
	707.5	25	0	20	10.2	-0.200	-0.0003	-2.5 to 2.5	Pass
					12	0.186	0.0003	-2.5 to 2.5	Pass
					13.8	-0.386	-0.0005	-2.5 to 2.5	Pass
				-30	12	-0.544	-0.0008	-2.5 to 2.5	Pass
				-20	12	0.129	0.0002	-2.5 to 2.5	Pass
				-10	12	0.043	0.0001	-2.5 to 2.5	Pass

	713.5	25	0	0	12	-0.401	-0.0006	-2.5 to 2.5	Pass
				10	12	-0.086	-0.0001	-2.5 to 2.5	Pass
				30	12	0.658	0.0009	-2.5 to 2.5	Pass
				40	12	0.157	0.0002	-2.5 to 2.5	Pass
				50	12	0.315	0.0004	-2.5 to 2.5	Pass
				20	10.2	-0.944	-0.0013	-2.5 to 2.5	Pass
					12	-0.358	-0.0005	-2.5 to 2.5	Pass
					13.8	-0.687	-0.0010	-2.5 to 2.5	Pass
				-30	12	-1.101	-0.0015	-2.5 to 2.5	Pass
				-20	12	-0.286	-0.0004	-2.5 to 2.5	Pass
				-10	12	-1.144	-0.0016	-2.5 to 2.5	Pass
				0	12	0.086	0.0001	-2.5 to 2.5	Pass
				10	12	-1.502	-0.0021	-2.5 to 2.5	Pass
				30	12	-2.203	-0.0031	-2.5 to 2.5	Pass
				40	12	-0.615	-0.0009	-2.5 to 2.5	Pass
				50	12	-0.501	-0.0007	-2.5 to 2.5	Pass

2.4 B12_10MHz

2.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	10.2	-0.901	-0.0013	-2.5 to 2.5	Pass
					12	-0.730	-0.0010	-2.5 to 2.5	Pass
					13.8	-0.043	-0.0001	-2.5 to 2.5	Pass
				-30	12	-0.029	0.0000	-2.5 to 2.5	Pass
				-20	12	-0.544	-0.0008	-2.5 to 2.5	Pass
				-10	12	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.329	-0.0005	-2.5 to 2.5	Pass
				10	12	-0.200	-0.0003	-2.5 to 2.5	Pass
				30	12	-0.443	-0.0006	-2.5 to 2.5	Pass
				40	12	-0.529	-0.0008	-2.5 to 2.5	Pass
				50	12	-0.129	-0.0002	-2.5 to 2.5	Pass
	707.5	50	0	20	10.2	-0.415	-0.0006	-2.5 to 2.5	Pass
					12	-0.944	-0.0013	-2.5 to 2.5	Pass
					13.8	-0.443	-0.0006	-2.5 to 2.5	Pass
				-30	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				-20	12	-0.072	-0.0001	-2.5 to 2.5	Pass
				-10	12	-0.687	-0.0010	-2.5 to 2.5	Pass
				0	12	-0.744	-0.0011	-2.5 to 2.5	Pass
				10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				30	12	-1.130	-0.0016	-2.5 to 2.5	Pass
				40	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				50	12	-0.472	-0.0007	-2.5 to 2.5	Pass
	711	50	0	20	10.2	-0.944	-0.0013	-2.5 to 2.5	Pass
					12	-1.330	-0.0019	-2.5 to 2.5	Pass
					13.8	-1.917	-0.0027	-2.5 to 2.5	Pass
				-30	12	-0.873	-0.0012	-2.5 to 2.5	Pass
				-20	12	-1.230	-0.0017	-2.5 to 2.5	Pass
				-10	12	-1.345	-0.0019	-2.5 to 2.5	Pass
				0	12	-1.473	-0.0021	-2.5 to 2.5	Pass
				10	12	-1.373	-0.0019	-2.5 to 2.5	Pass
				30	12	-1.059	-0.0015	-2.5 to 2.5	Pass
				40	12	-1.373	-0.0019	-2.5 to 2.5	Pass
				50	12	-2.689	-0.0038	-2.5 to 2.5	Pass
16QAM	704	50	0	20	10.2	-0.529	-0.0008	-2.5 to 2.5	Pass
					12	-0.172	-0.0002	-2.5 to 2.5	Pass
					13.8	0.057	0.0001	-2.5 to 2.5	Pass

				-30	12	-0.072	-0.0001	-2.5 to 2.5	Pass
				-20	12	0.272	0.0004	-2.5 to 2.5	Pass
				-10	12	-0.143	-0.0002	-2.5 to 2.5	Pass
				0	12	-0.443	-0.0006	-2.5 to 2.5	Pass
				10	12	-0.200	-0.0003	-2.5 to 2.5	Pass
				30	12	0.300	0.0004	-2.5 to 2.5	Pass
				40	12	-0.572	-0.0008	-2.5 to 2.5	Pass
				50	12	-0.443	-0.0006	-2.5 to 2.5	Pass
	707.5	50	0	20	10.2	0.057	0.0001	-2.5 to 2.5	Pass
					12	-0.615	-0.0009	-2.5 to 2.5	Pass
					13.8	0.172	0.0002	-2.5 to 2.5	Pass
				-30	12	-0.143	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.486	-0.0007	-2.5 to 2.5	Pass
				-10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				0	12	-0.472	-0.0007	-2.5 to 2.5	Pass
				10	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				30	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	12	-1.187	-0.0017	-2.5 to 2.5	Pass
	711	50	0	20	10.2	-2.403	-0.0034	-2.5 to 2.5	Pass
					12	-0.687	-0.0010	-2.5 to 2.5	Pass
					13.8	-1.302	-0.0018	-2.5 to 2.5	Pass
				-30	12	-1.416	-0.0020	-2.5 to 2.5	Pass
				-20	12	-0.930	-0.0013	-2.5 to 2.5	Pass
				-10	12	-0.916	-0.0013	-2.5 to 2.5	Pass
				0	12	-1.845	-0.0026	-2.5 to 2.5	Pass
				10	12	-1.731	-0.0024	-2.5 to 2.5	Pass
				30	12	-1.760	-0.0025	-2.5 to 2.5	Pass
				40	12	-1.674	-0.0024	-2.5 to 2.5	Pass
				50	12	-1.402	-0.0020	-2.5 to 2.5	Pass

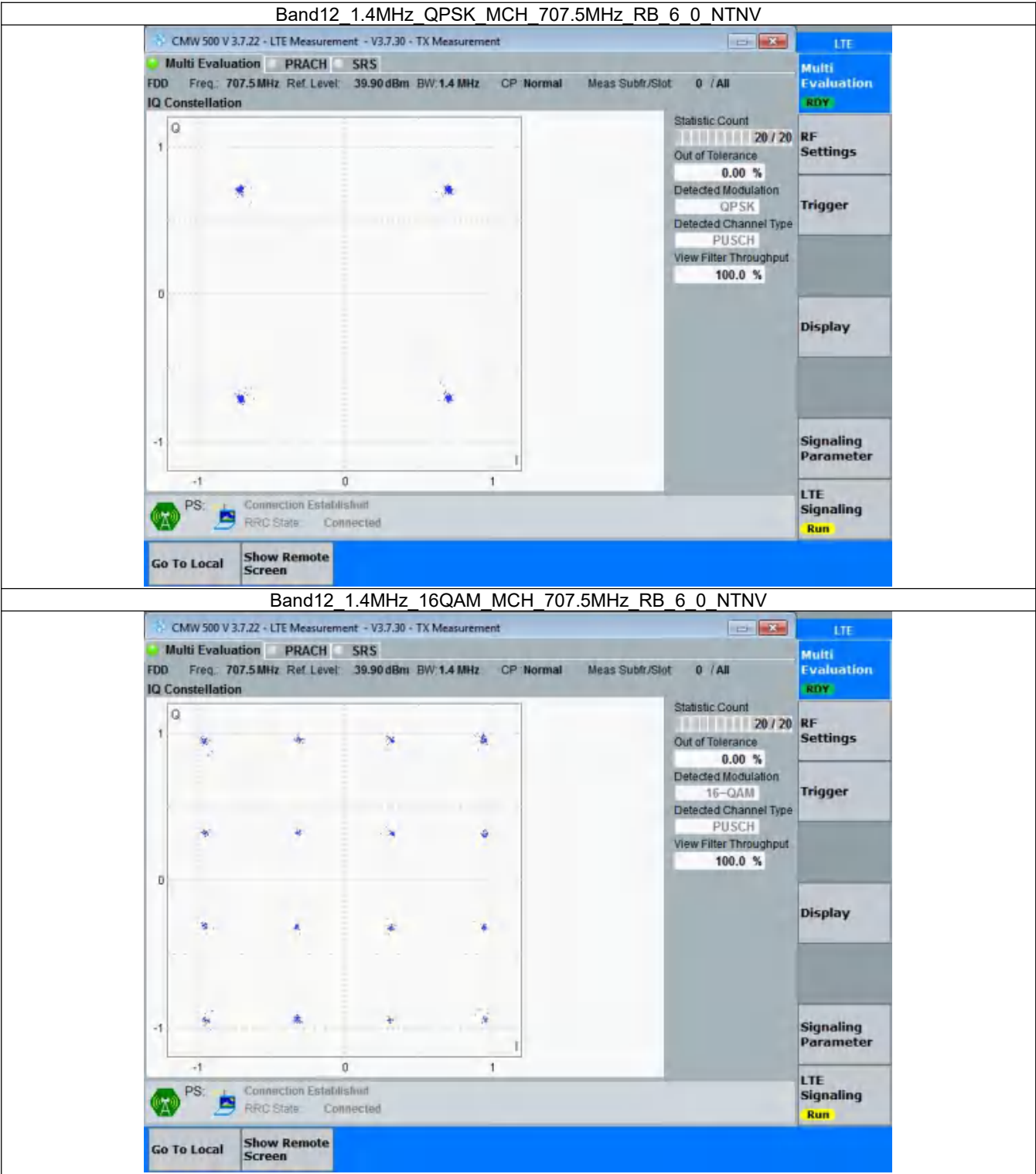
3. Modulation Characteristics

3.1 B12_1.4MHz

3.1.1 Test Result

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

3.1.2 Test Graph

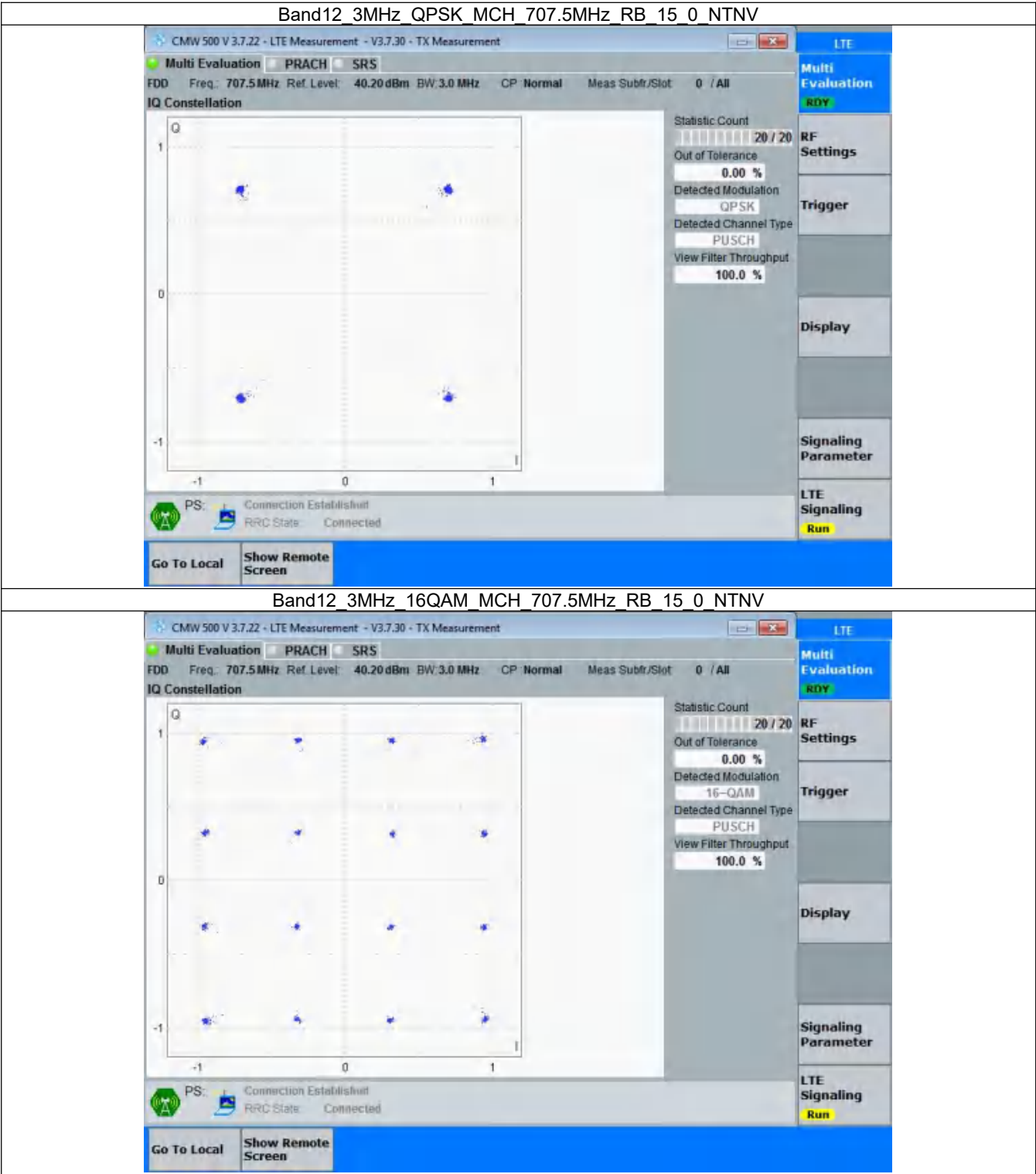


3.2 B12_3MHz

3.2.1 Test Result

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
					Pass

3.2.2 Test Graph

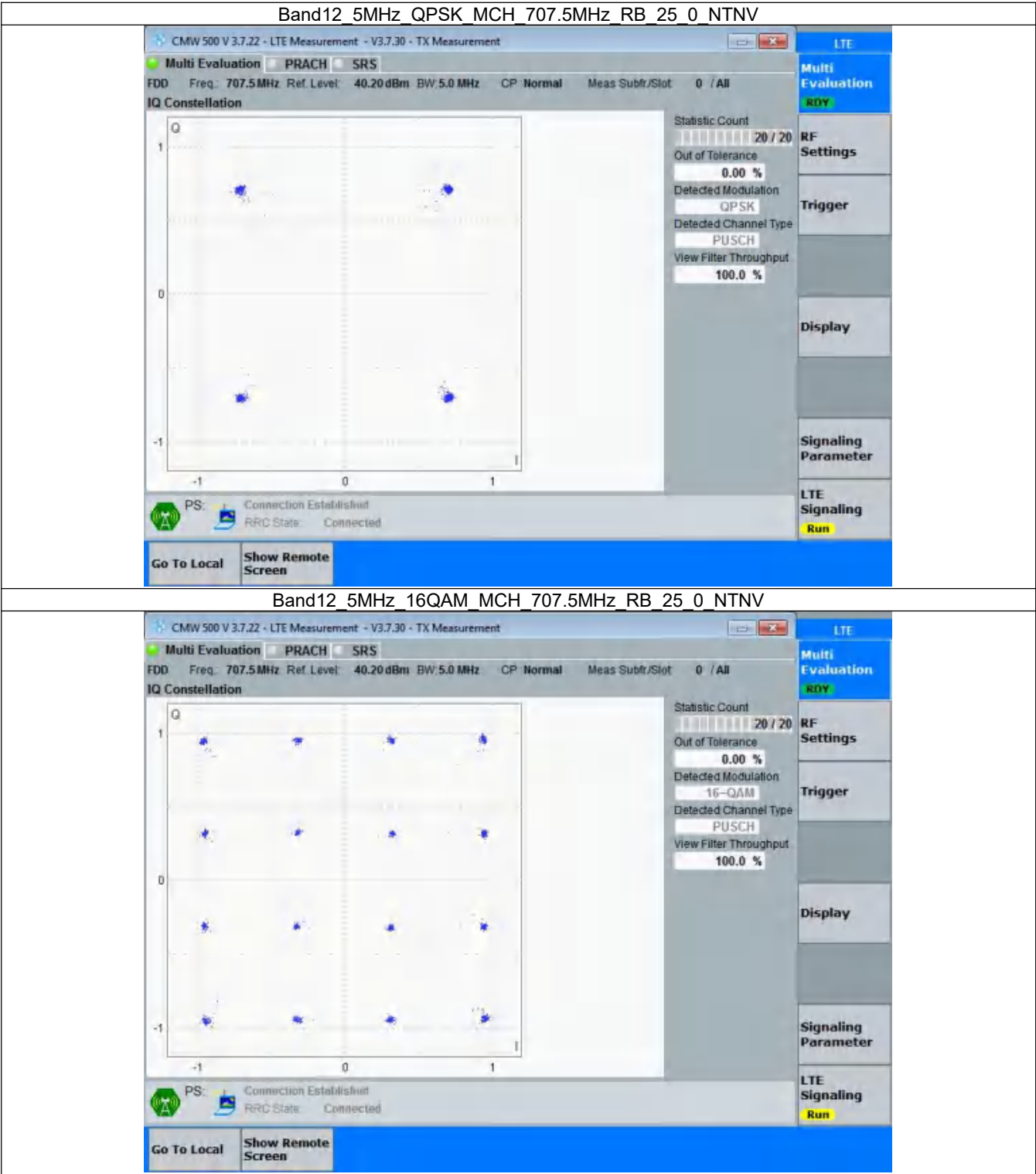


3.3 B12_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

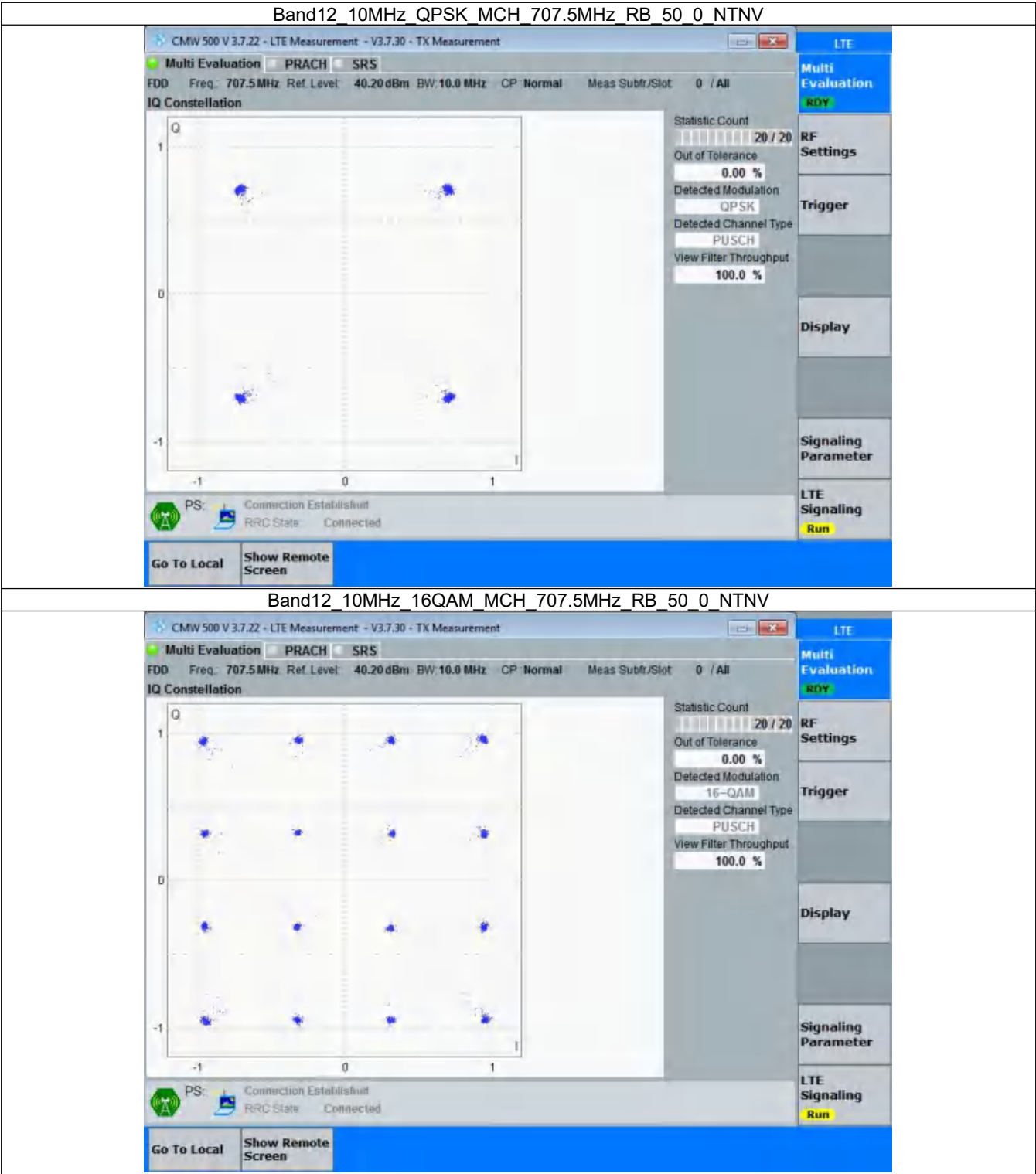


3.4 B12_10MHz

3.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV					
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
					Pass

3.4.2 Test Graph



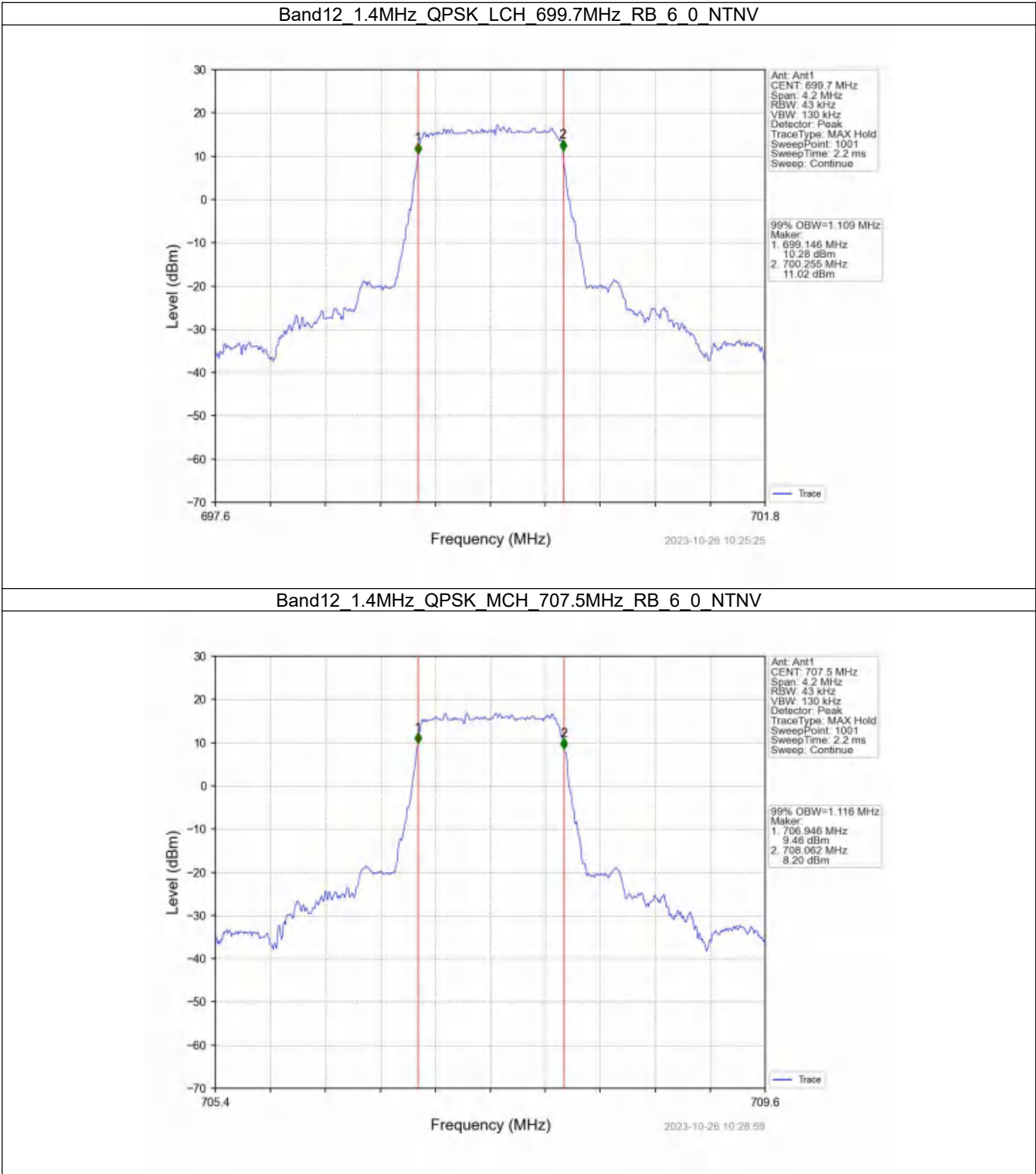
4. 99% & 26dB Bandwidth

4.1 Band12_OBW

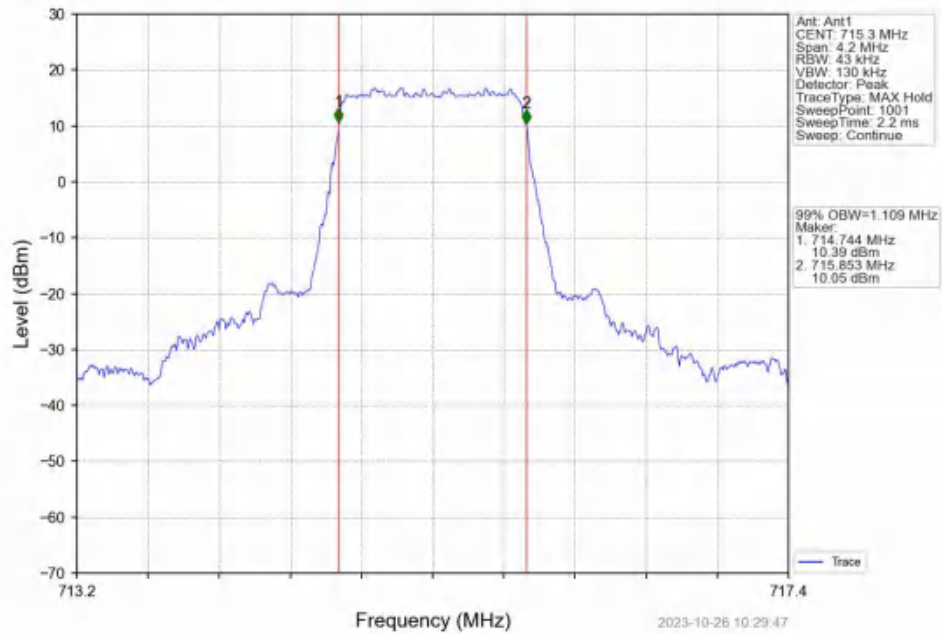
4.1.1 Test Result

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.109	/	Pass
		707.5	6	0	1.116	/	Pass
		715.3	6	0	1.109	/	Pass
	16QAM	699.7	6	0	1.108	/	Pass
		707.5	6	0	1.107	/	Pass
		715.3	6	0	1.105	/	Pass
3	QPSK	700.5	15	0	2.740	/	Pass
		707.5	15	0	2.737	/	Pass
		714.5	15	0	2.741	/	Pass
	16QAM	700.5	15	0	2.731	/	Pass
		707.5	15	0	2.737	/	Pass
		714.5	15	0	2.761	/	Pass
5	QPSK	701.5	25	0	4.543	/	Pass
		707.5	25	0	4.546	/	Pass
		713.5	25	0	4.564	/	Pass
	16QAM	701.5	25	0	4.551	/	Pass
		707.5	25	0	4.562	/	Pass
		713.5	25	0	4.531	/	Pass
10	QPSK	704	50	0	9.071	/	Pass
		707.5	50	0	9.027	/	Pass
		711	50	0	9.010	/	Pass
	16QAM	704	50	0	9.021	/	Pass
		707.5	50	0	9.033	/	Pass
		711	50	0	9.022	/	Pass

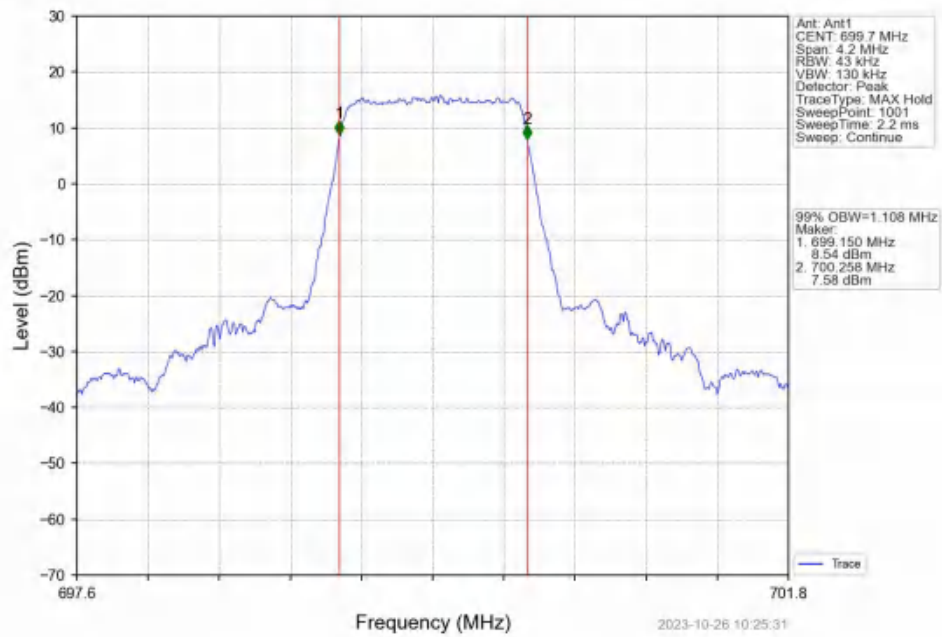
4.1.2 Test Graph



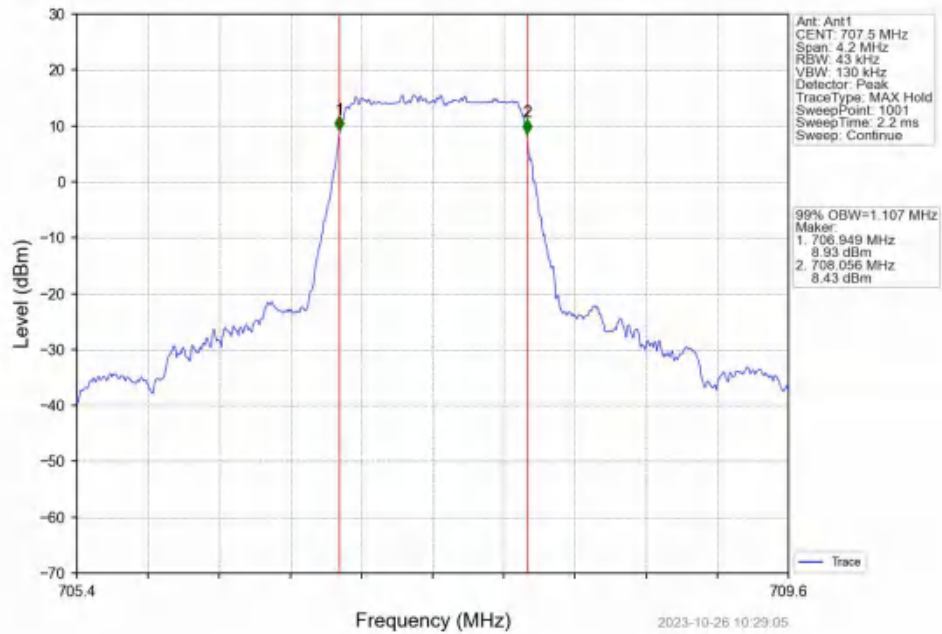
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



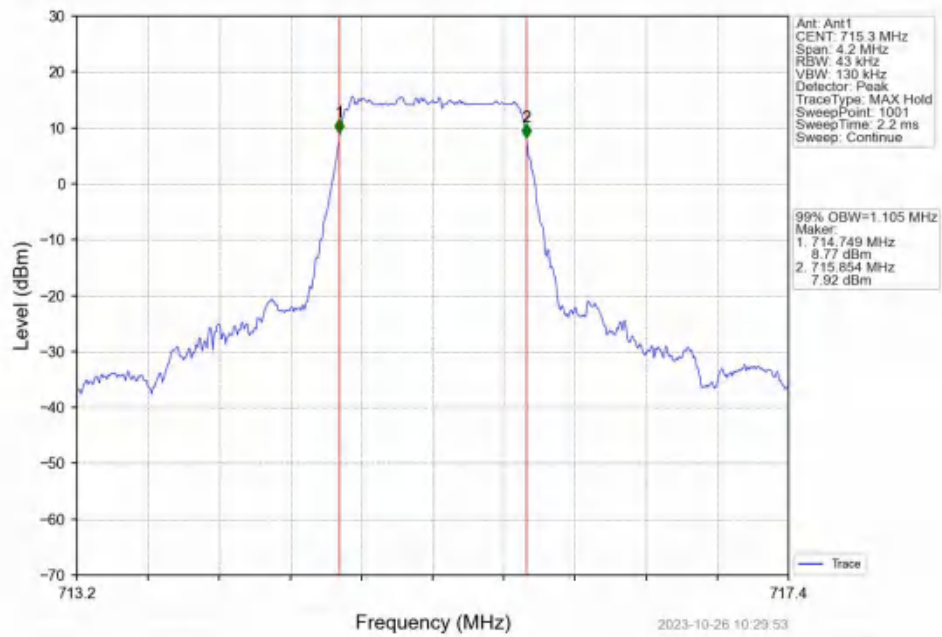
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



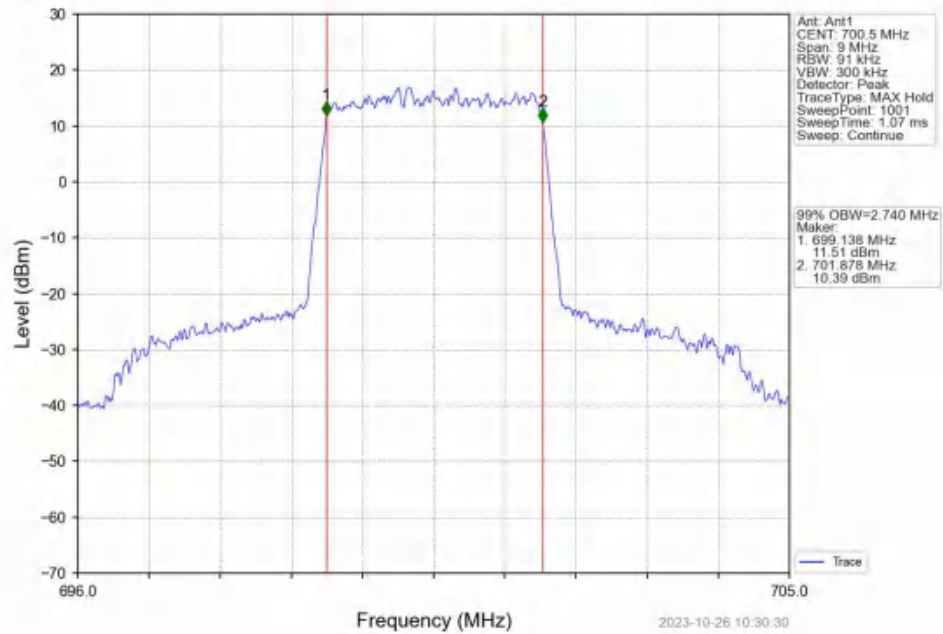
Band12 1.4MHz 16QAM MCH 707.5MHz RB_6_0 NTN



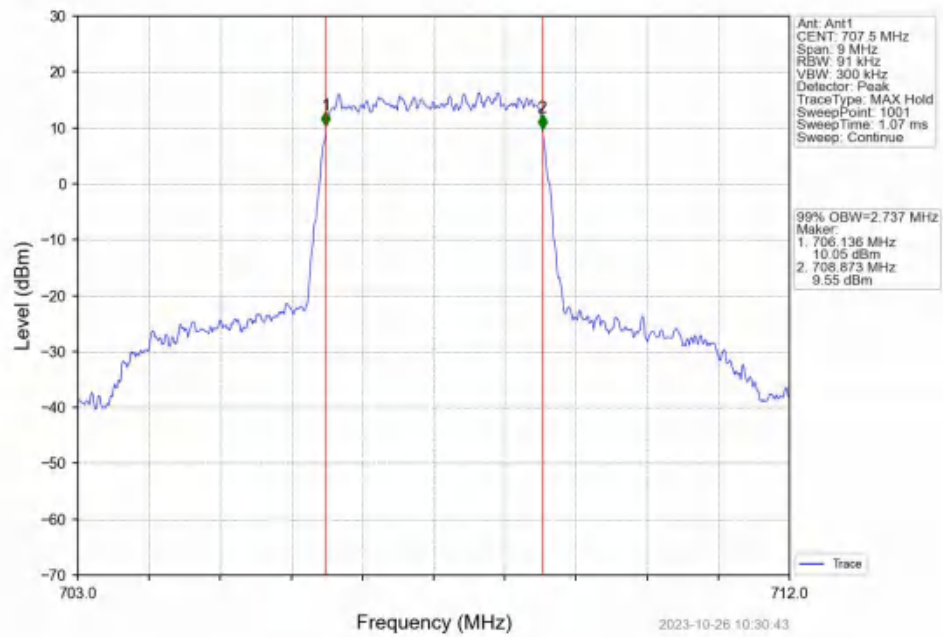
Band12 1.4MHz 16QAM HCH 715.3MHz RB_6_0 NTN



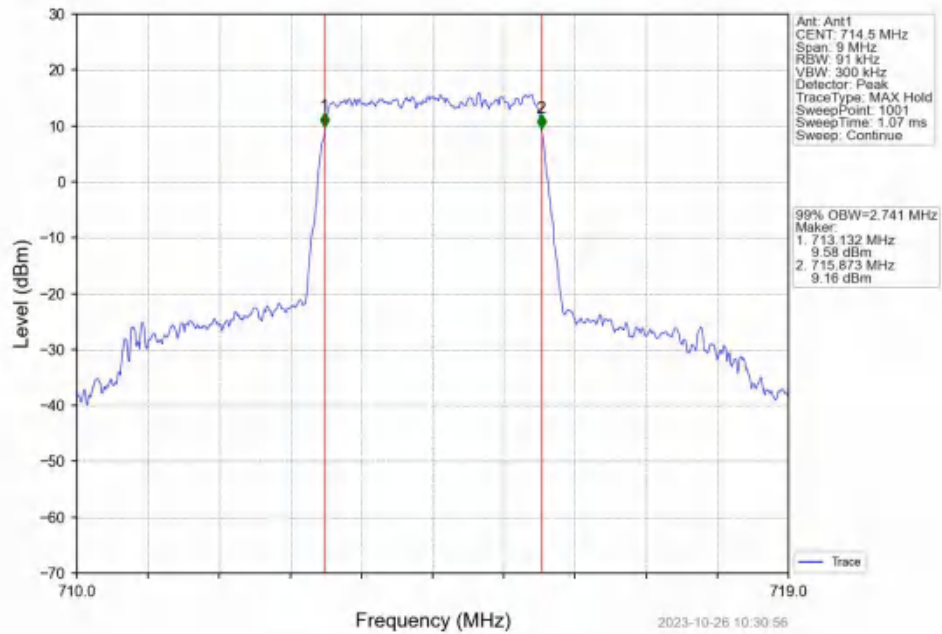
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



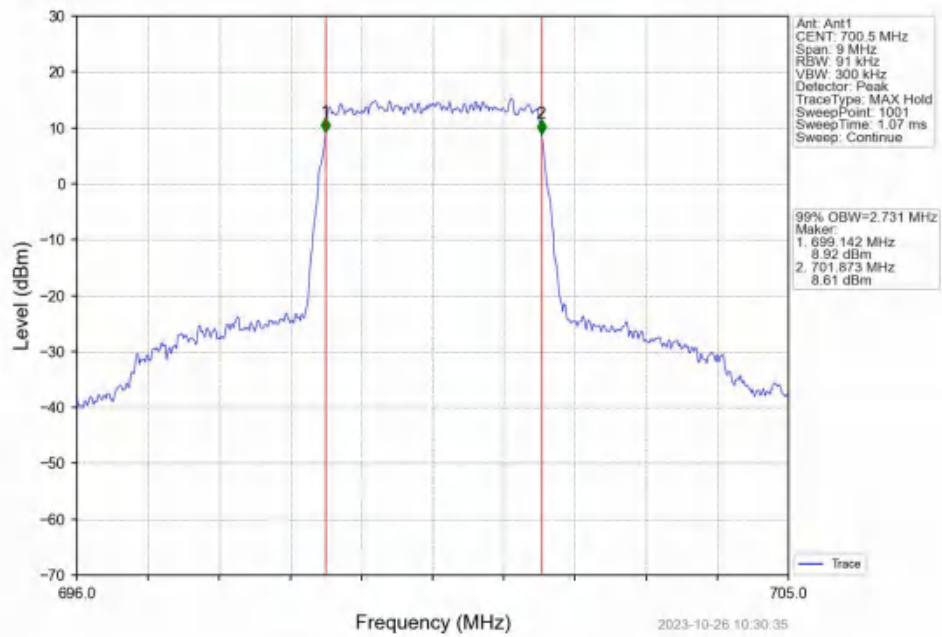
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



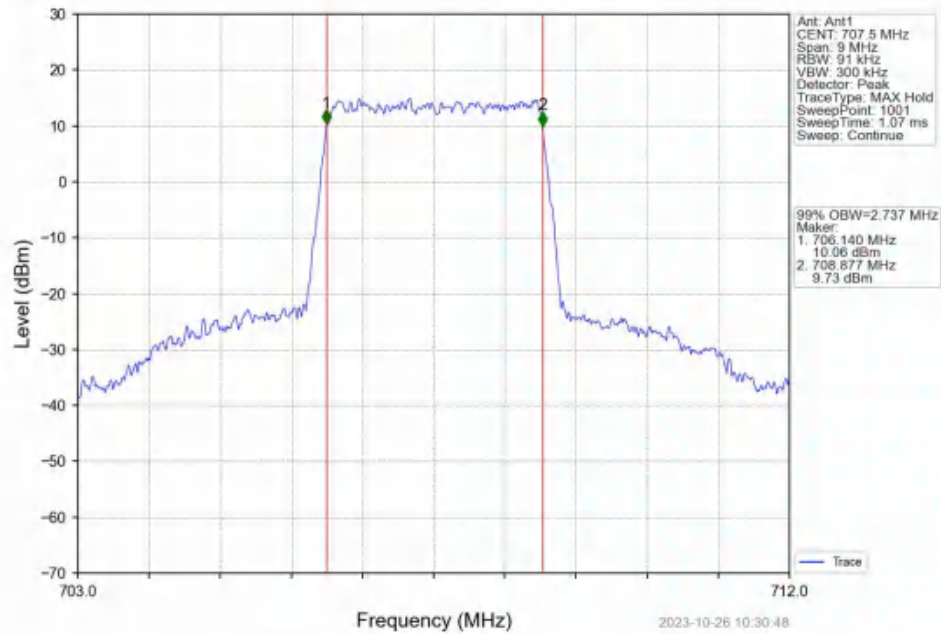
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



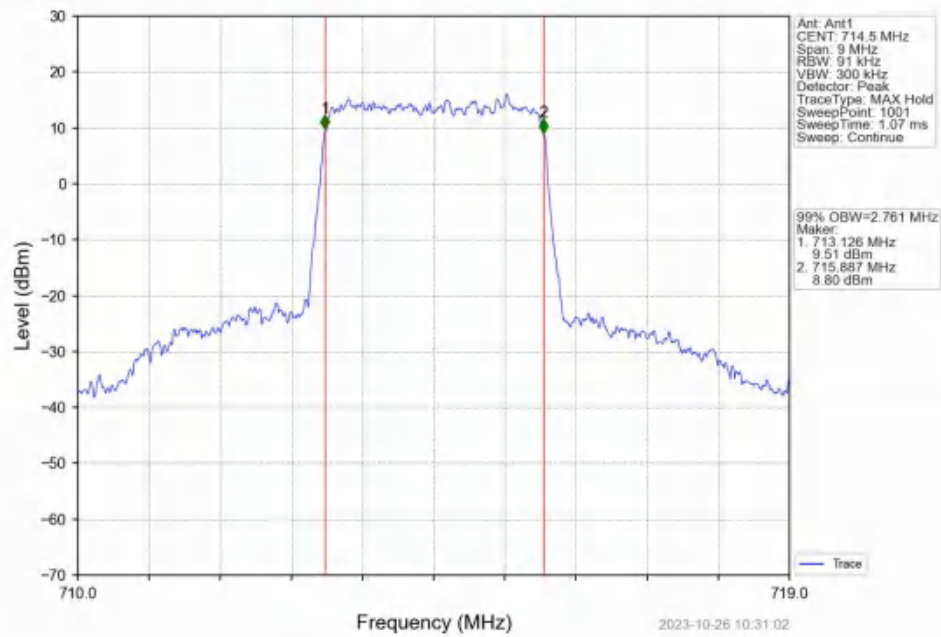
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



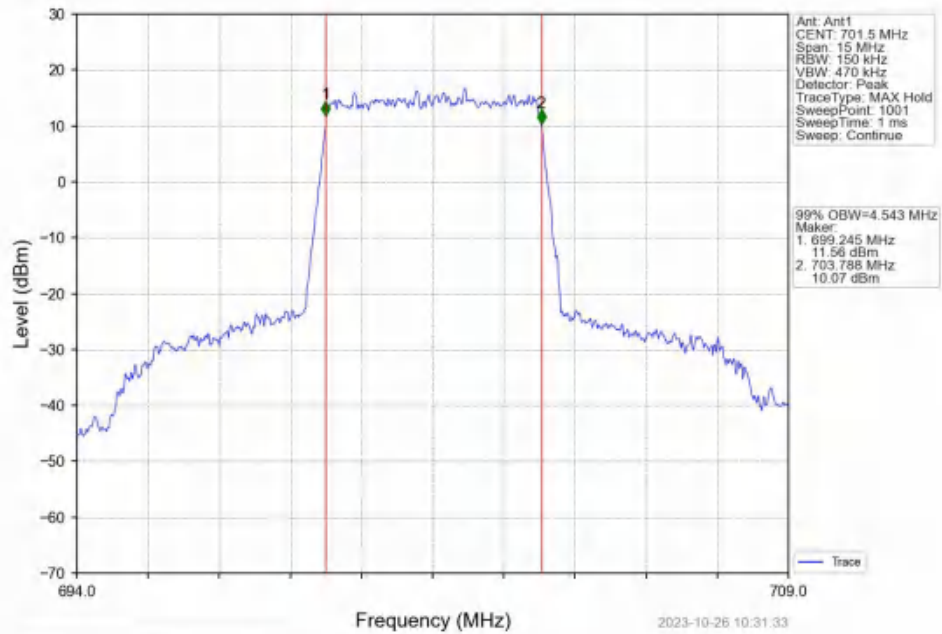
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



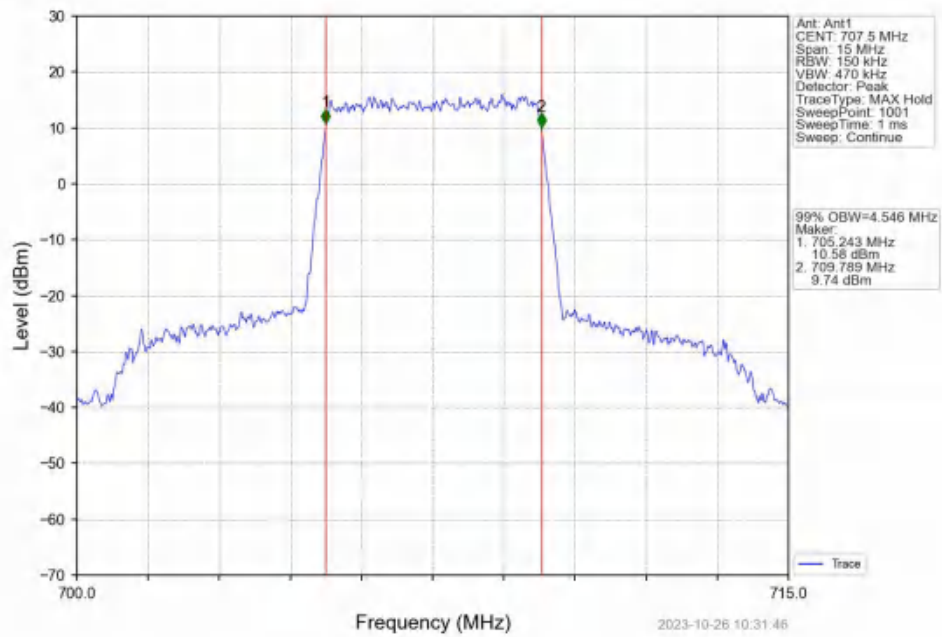
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



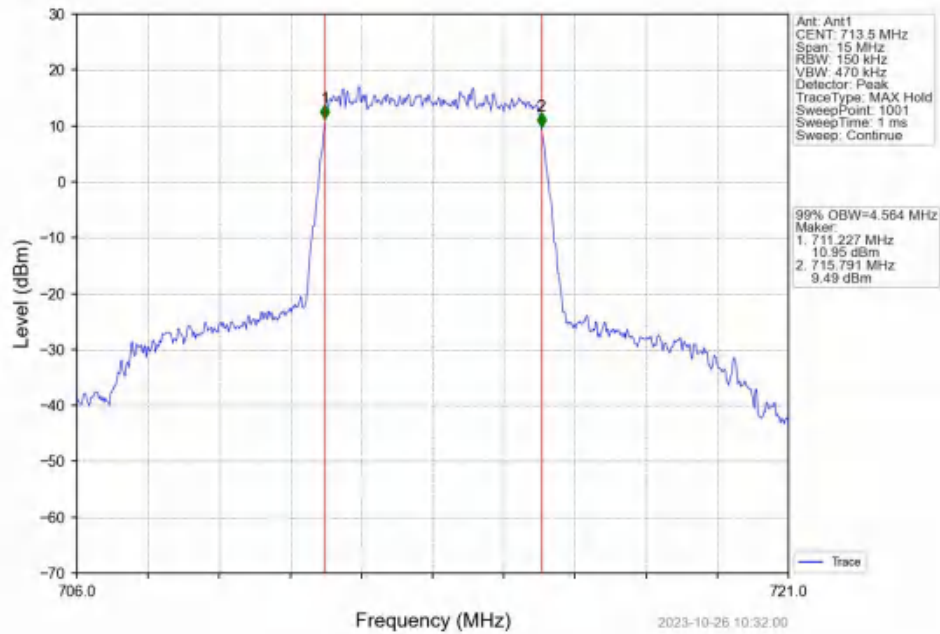
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



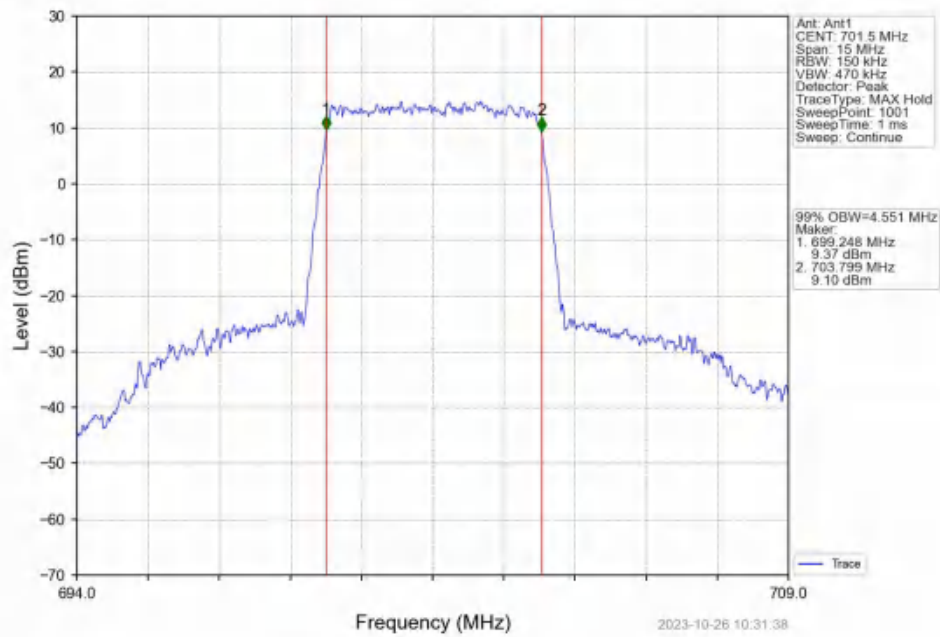
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



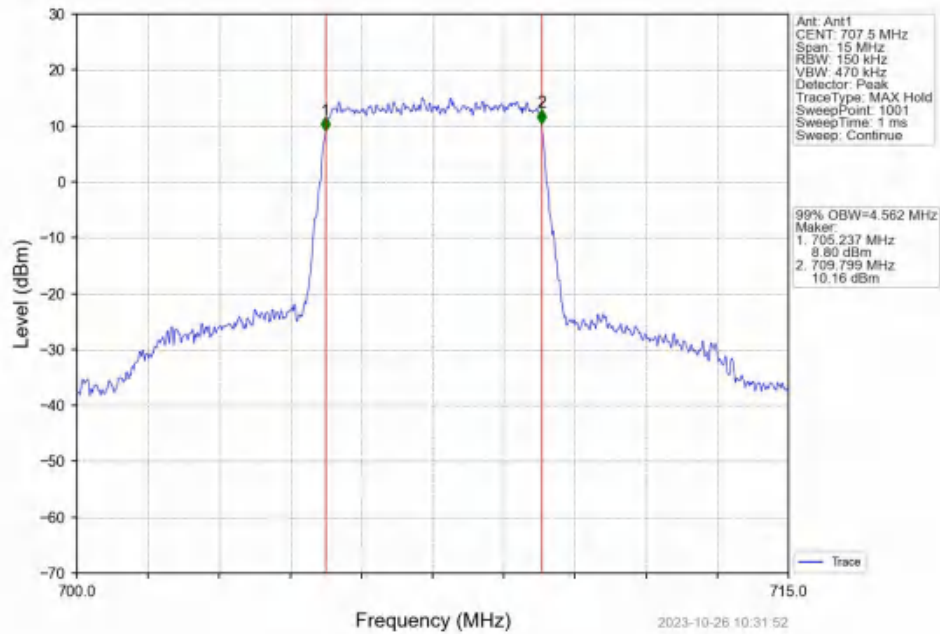
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



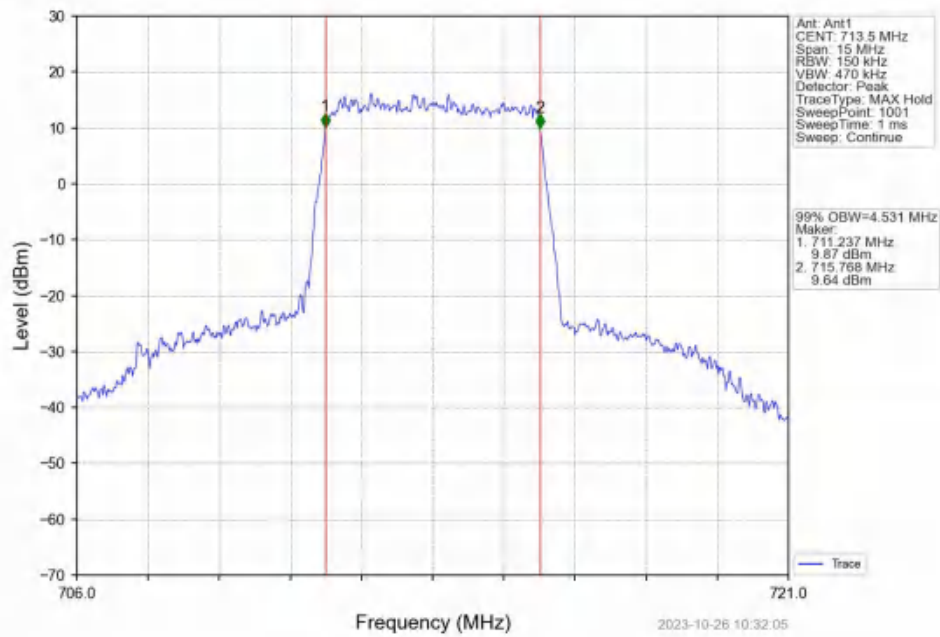
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



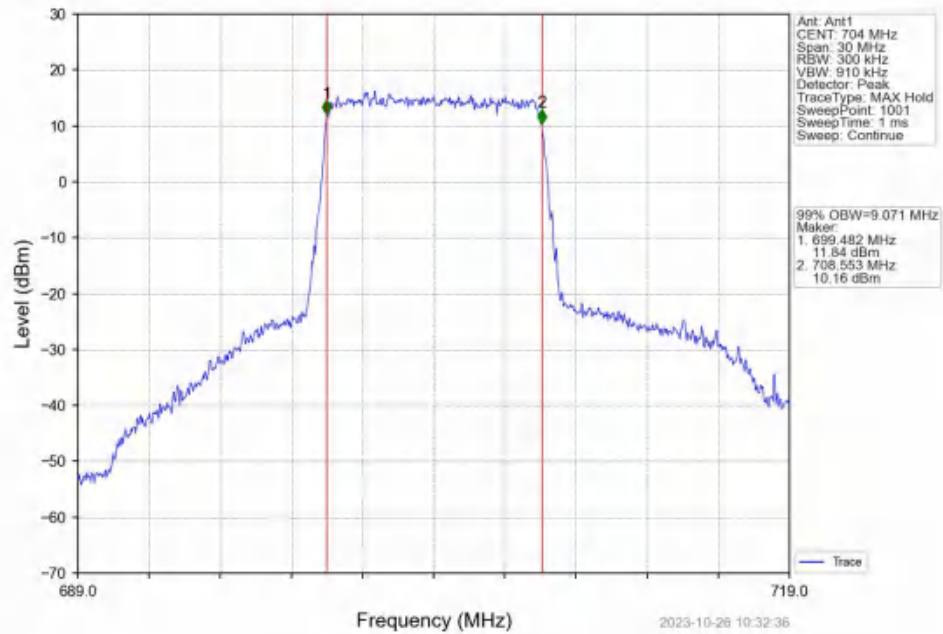
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



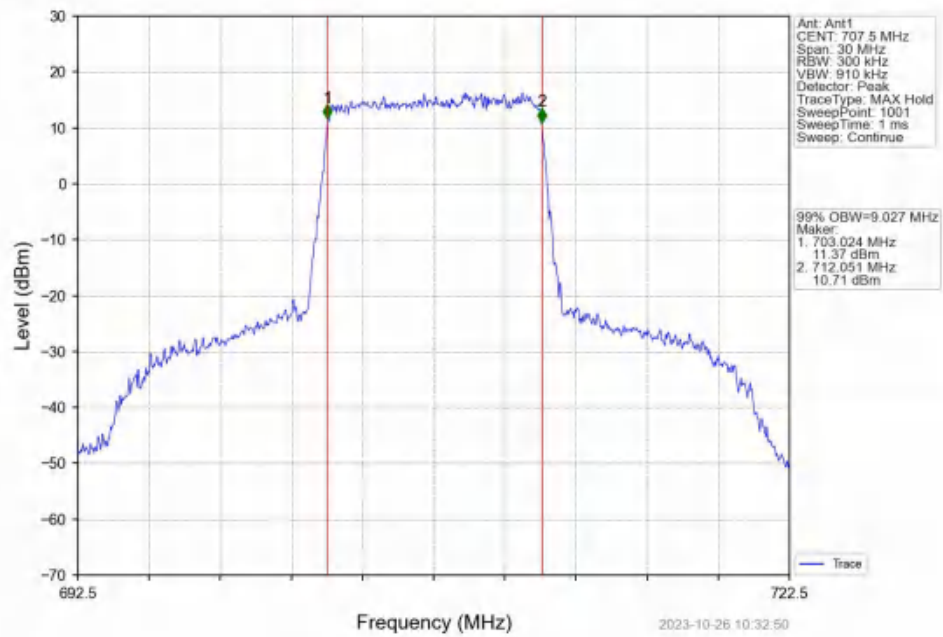
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



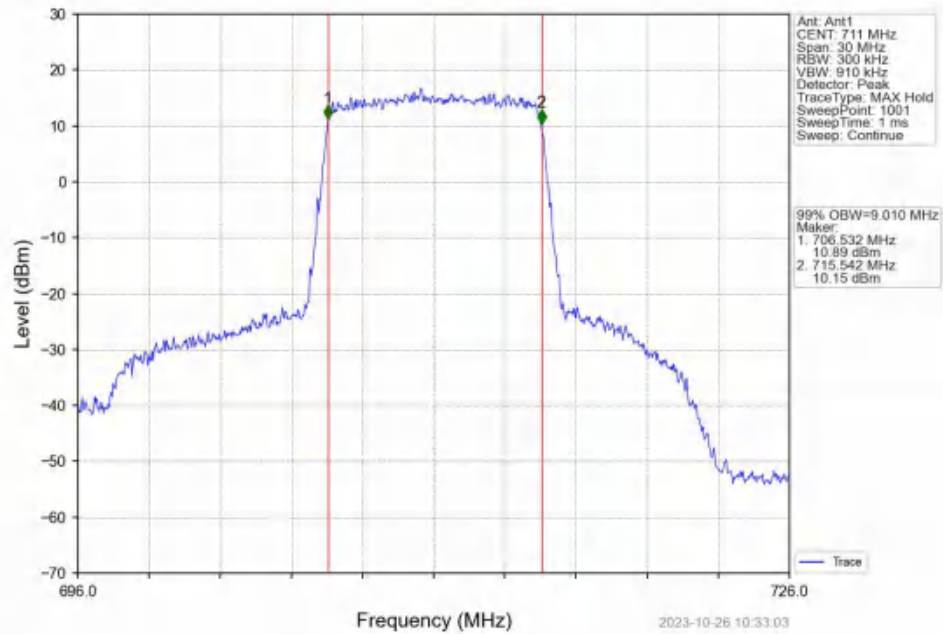
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



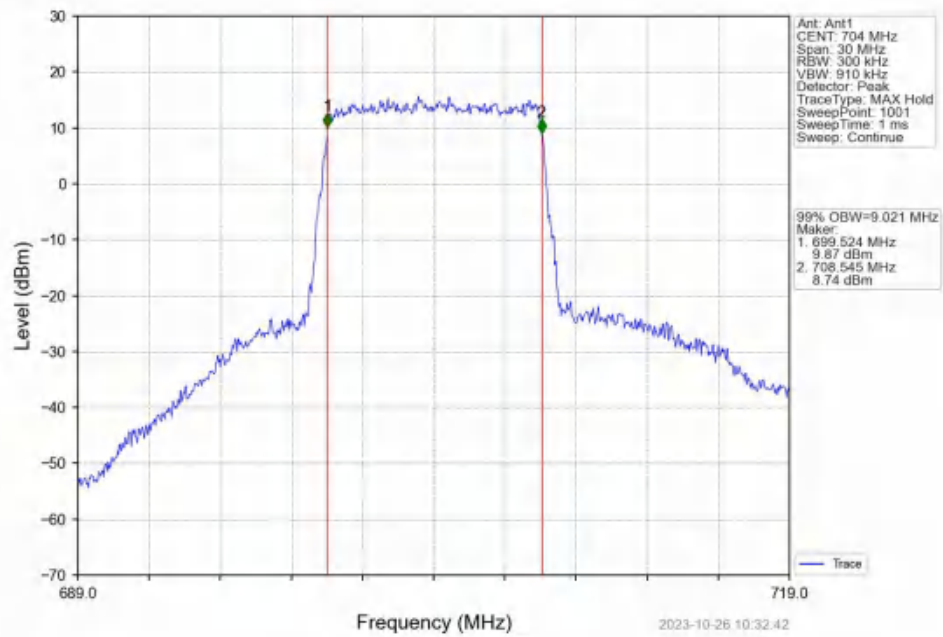
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



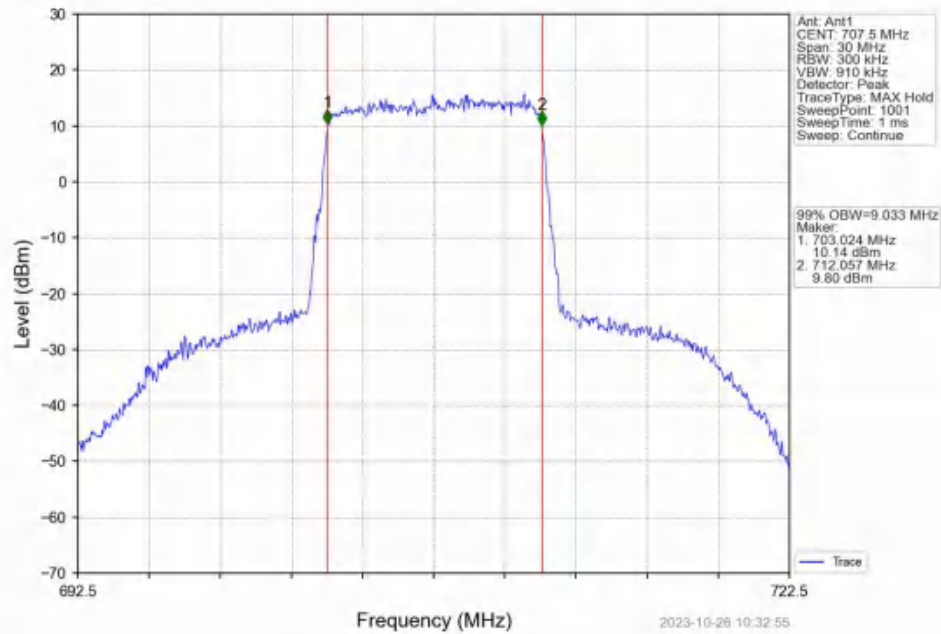
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



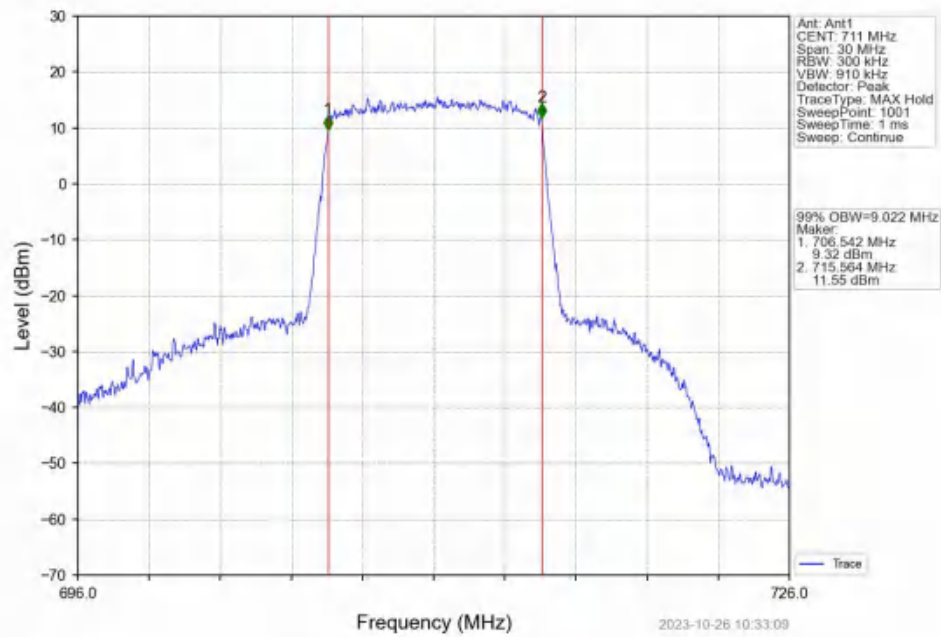
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

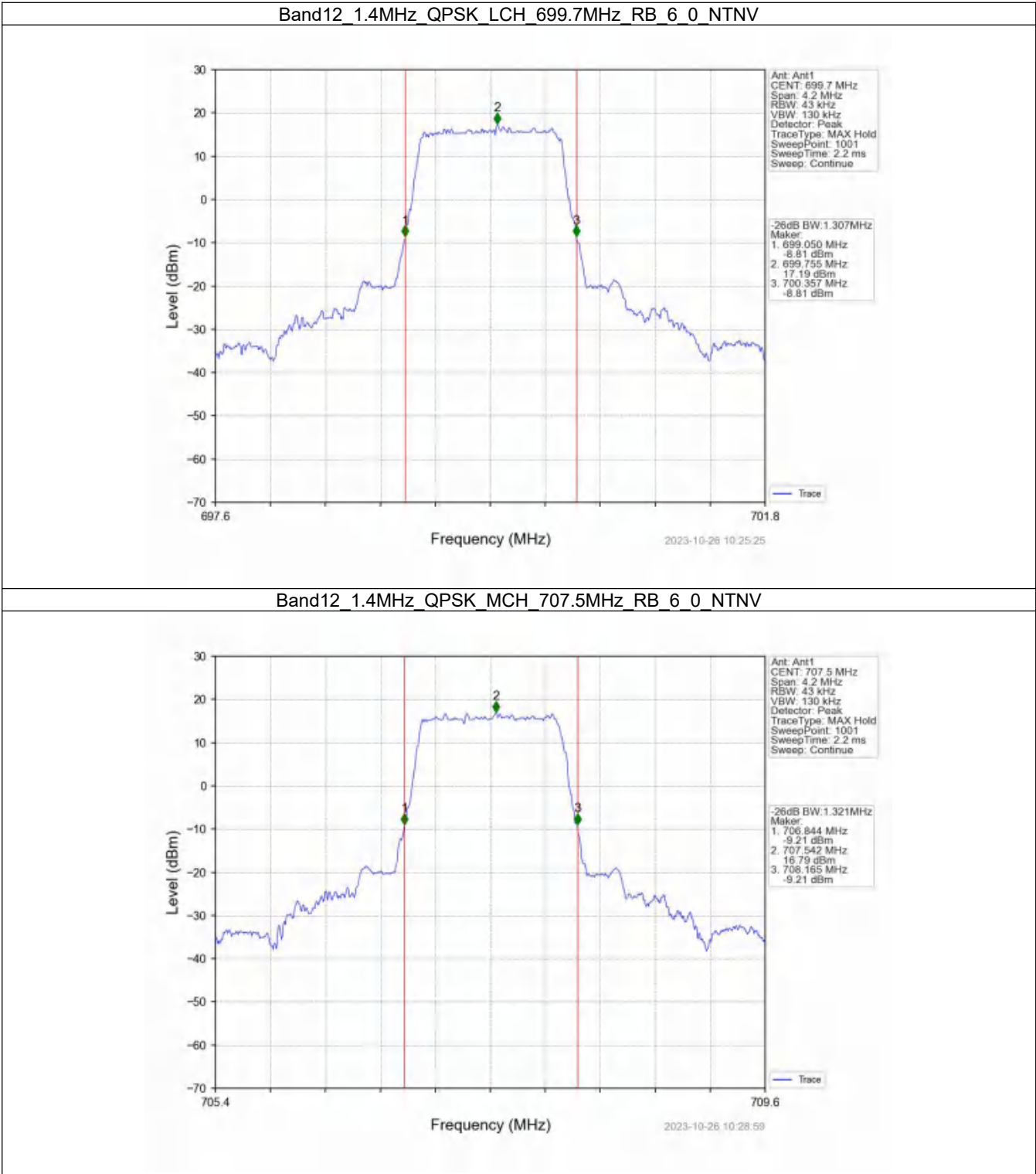


4.2 Band12_XDB

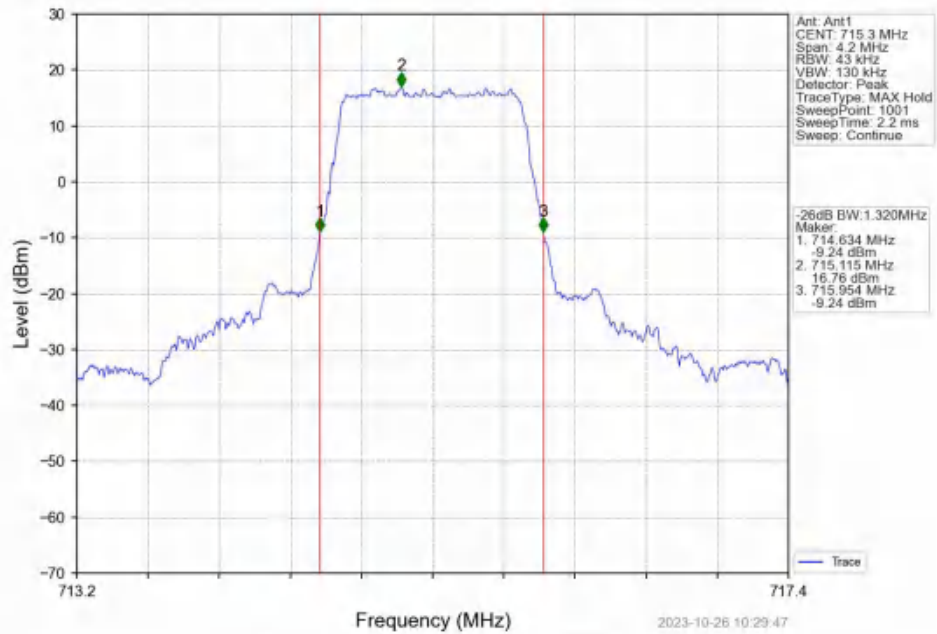
4.2.1 Test Result

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.307	/	Pass
		707.5	6	0	1.321	/	Pass
		715.3	6	0	1.320	/	Pass
	16QAM	699.7	6	0	1.331	/	Pass
		707.5	6	0	1.326	/	Pass
		715.3	6	0	1.323	/	Pass
3	QPSK	700.5	15	0	3.039	/	Pass
		707.5	15	0	3.044	/	Pass
		714.5	15	0	3.068	/	Pass
	16QAM	700.5	15	0	3.054	/	Pass
		707.5	15	0	3.070	/	Pass
		714.5	15	0	3.021	/	Pass
5	QPSK	701.5	25	0	5.041	/	Pass
		707.5	25	0	5.074	/	Pass
		713.5	25	0	5.085	/	Pass
	16QAM	701.5	25	0	5.128	/	Pass
		707.5	25	0	5.100	/	Pass
		713.5	25	0	5.075	/	Pass
10	QPSK	704	50	0	10.013	/	Pass
		707.5	50	0	9.964	/	Pass
		711	50	0	9.971	/	Pass
	16QAM	704	50	0	10.070	/	Pass
		707.5	50	0	10.094	/	Pass
		711	50	0	10.009	/	Pass

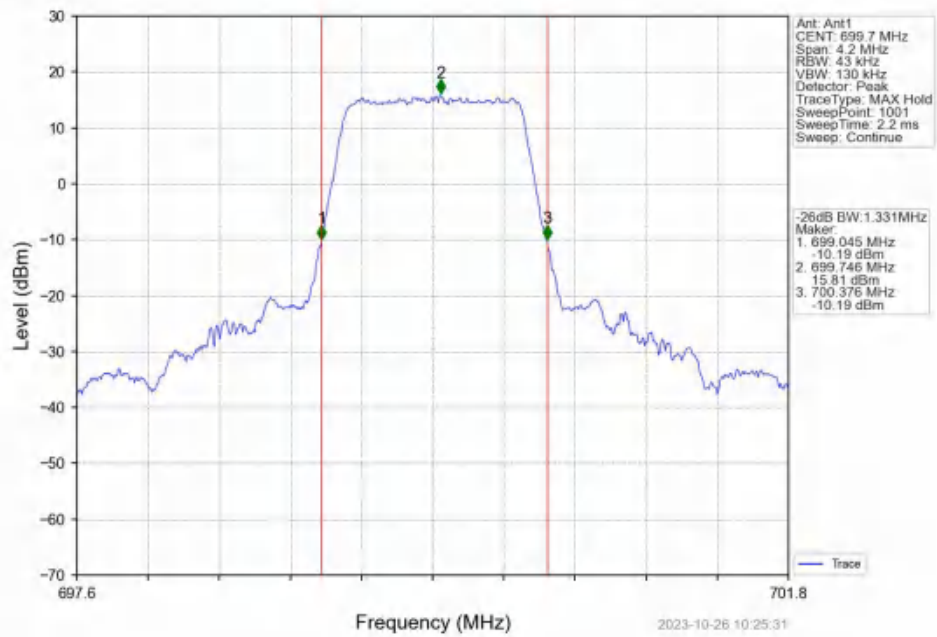
4.2.2 Test Graph



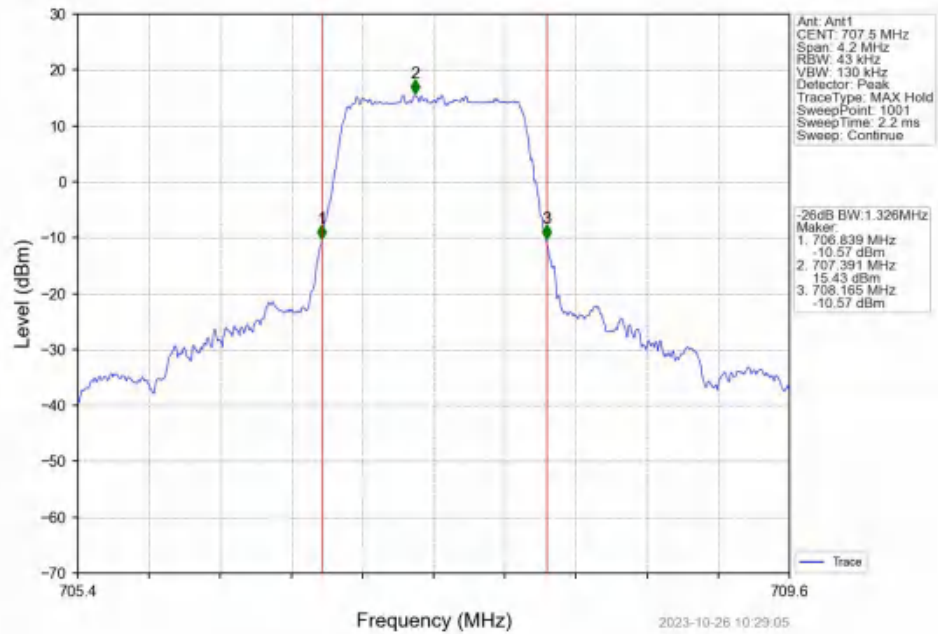
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



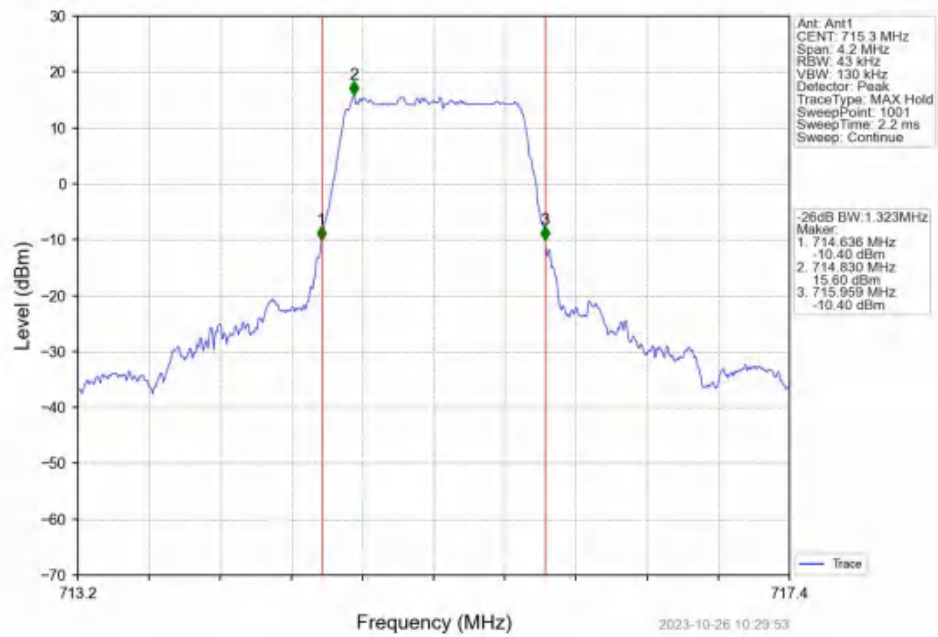
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



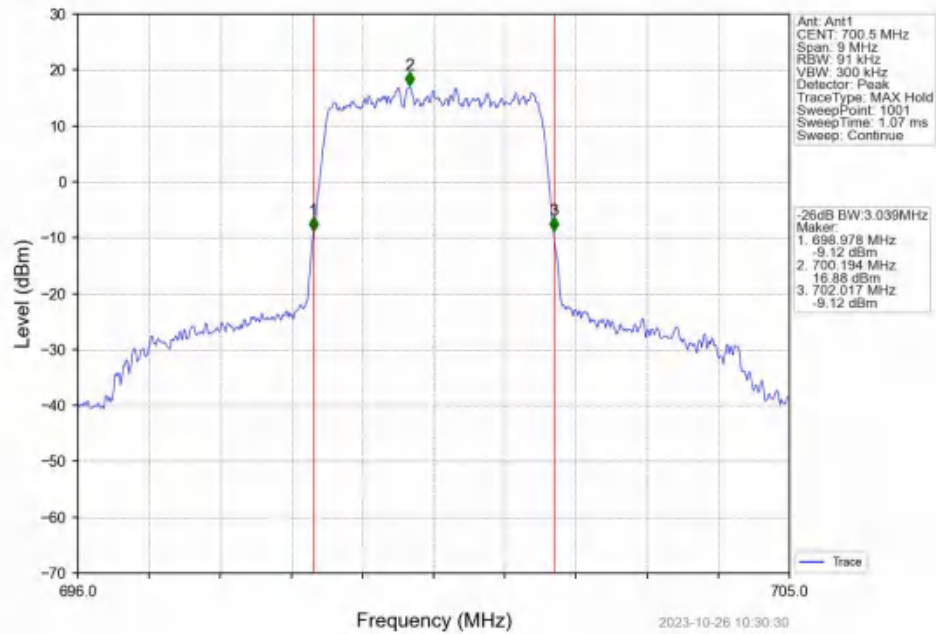
Band12 1.4MHz 16QAM MCH 707.5MHz RB_6_0 NTN



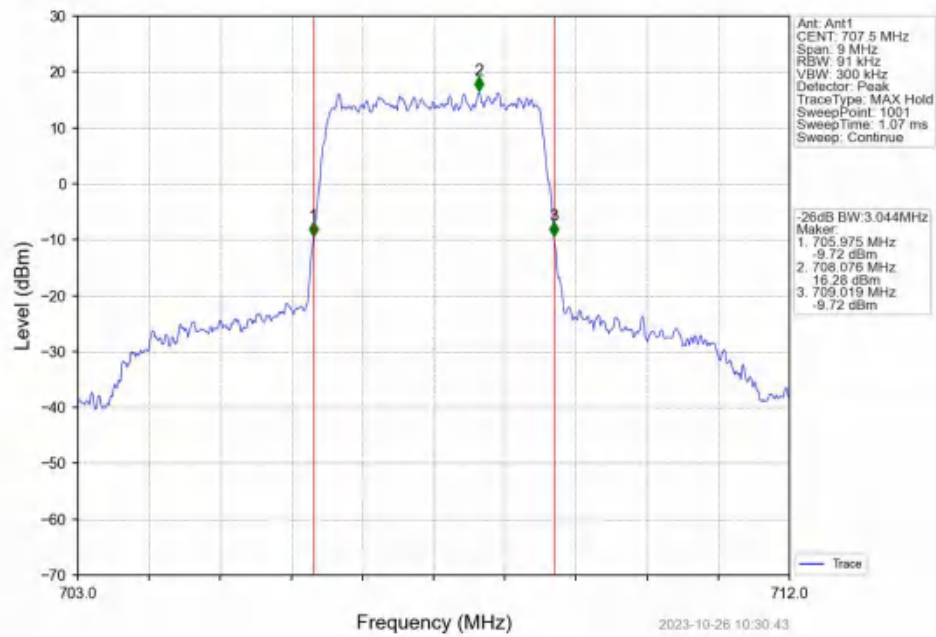
Band12 1.4MHz 16QAM HCH 715.3MHz RB_6_0 NTN



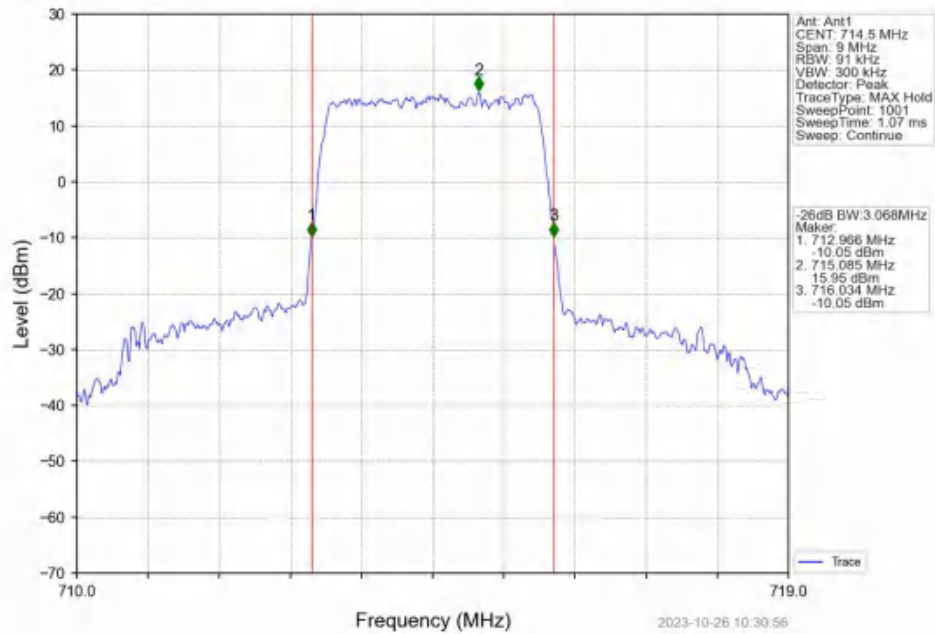
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



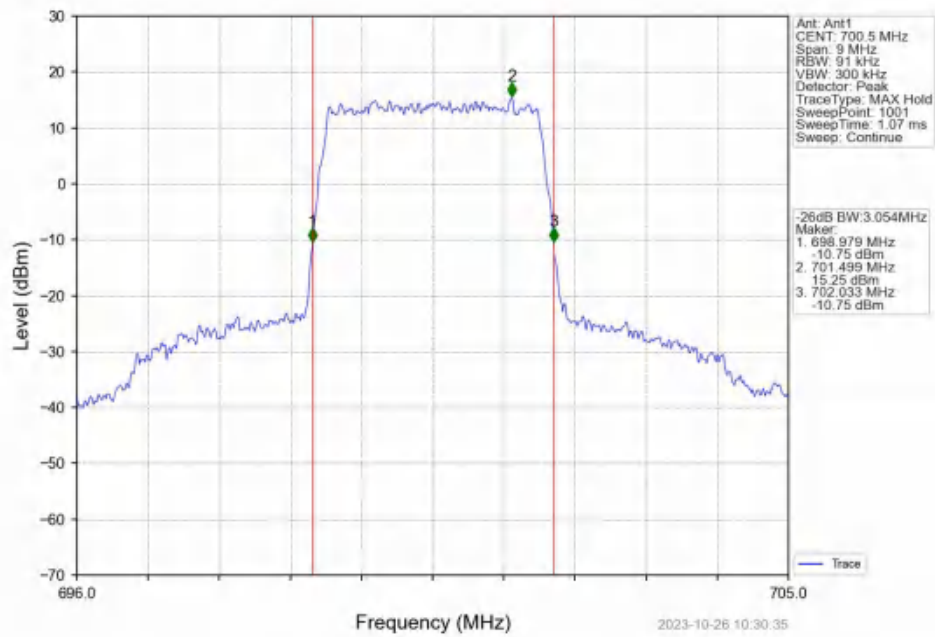
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



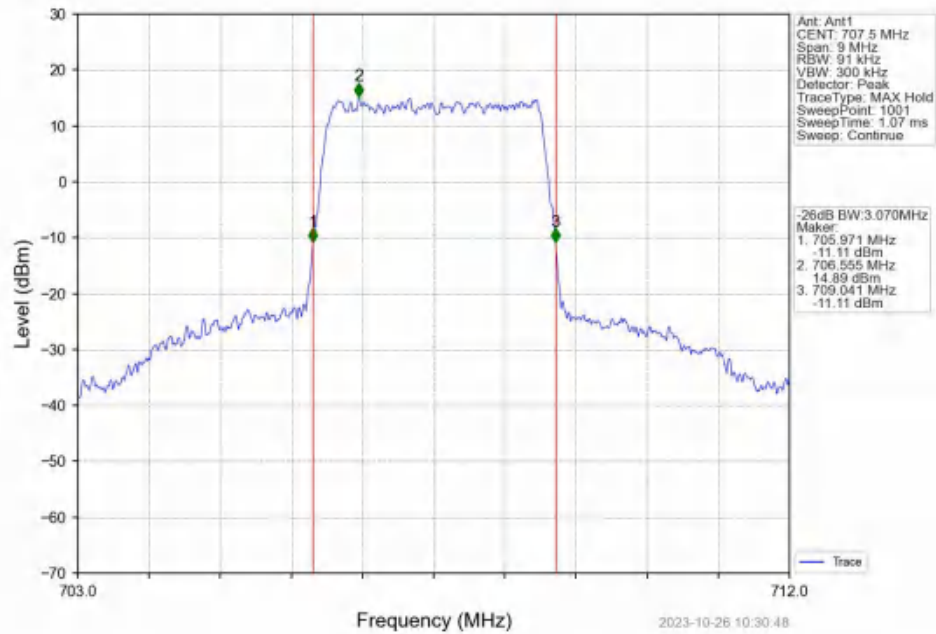
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



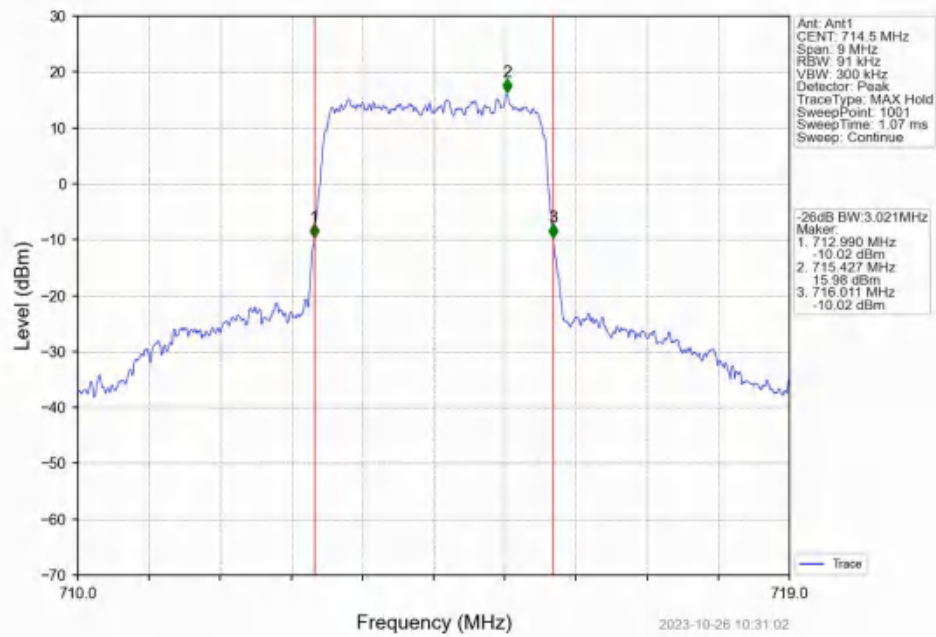
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



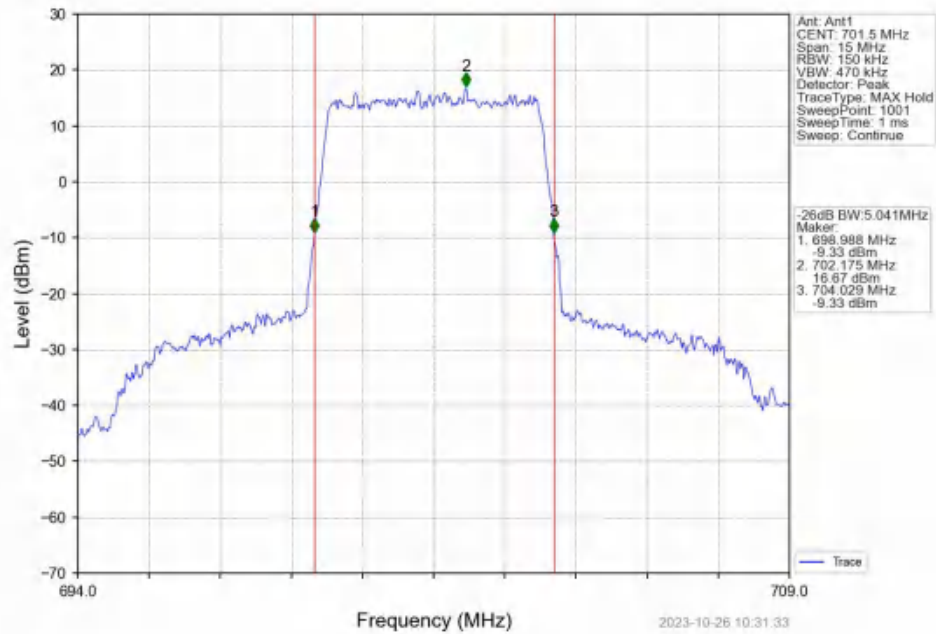
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



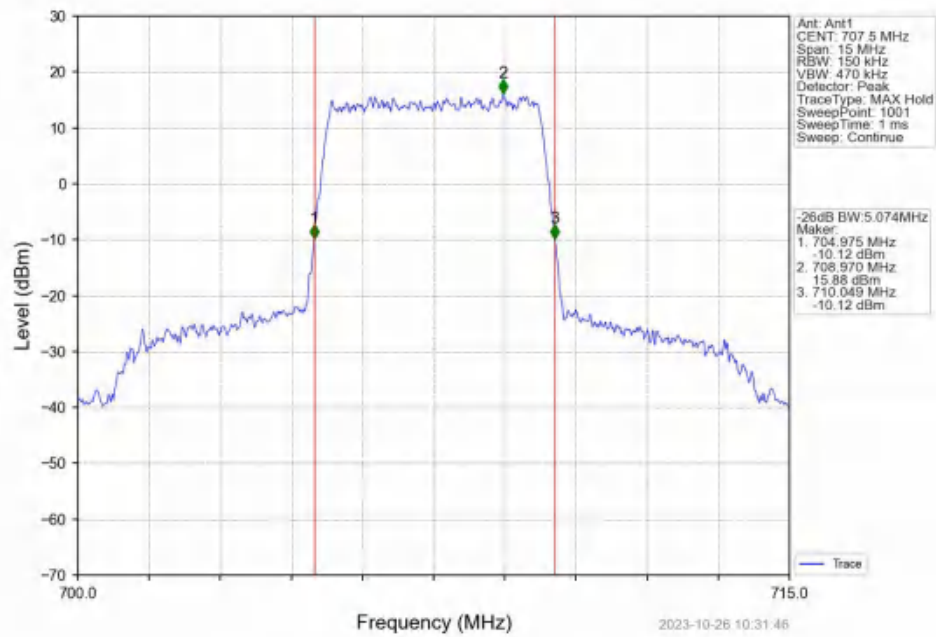
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



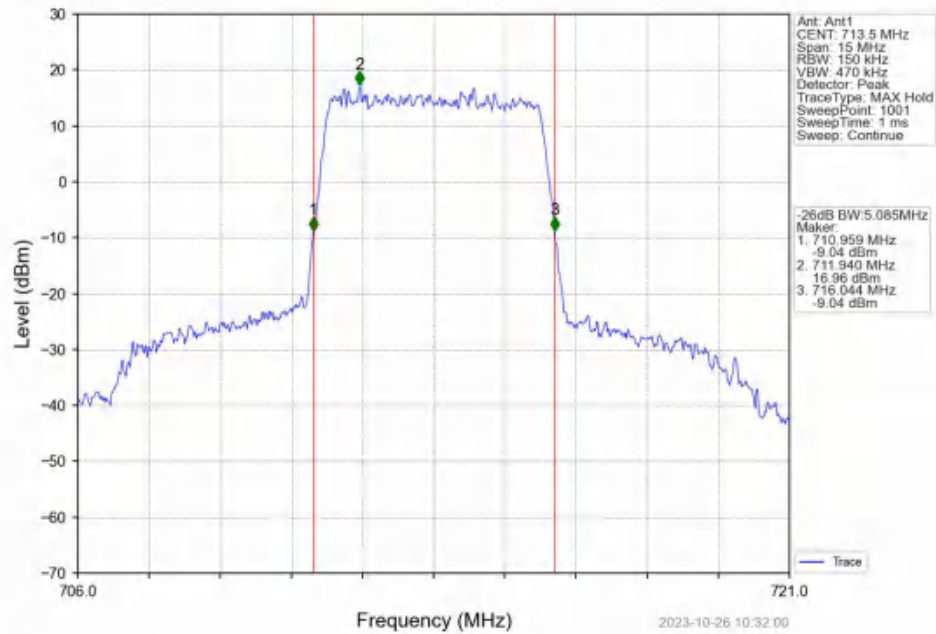
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



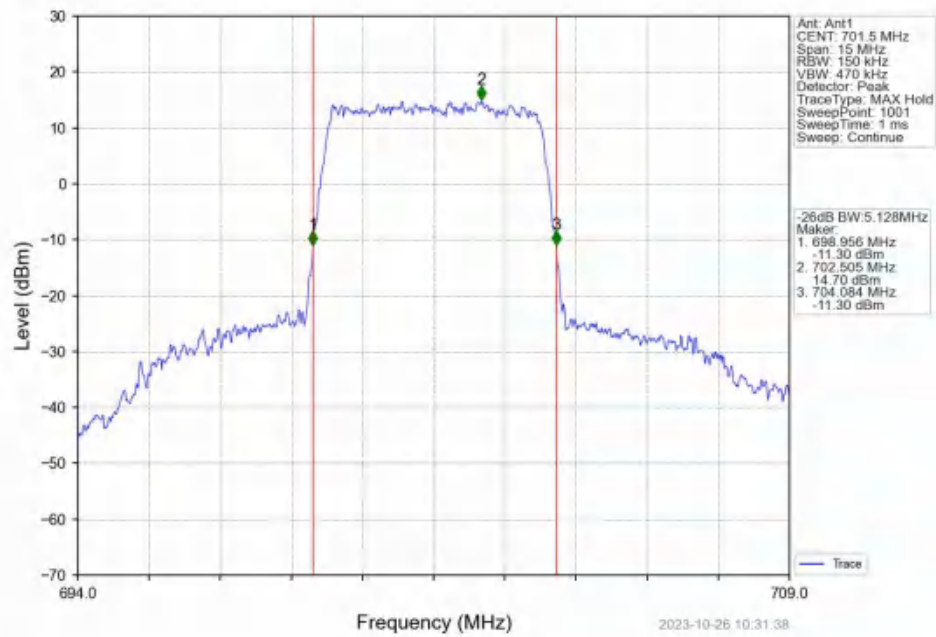
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



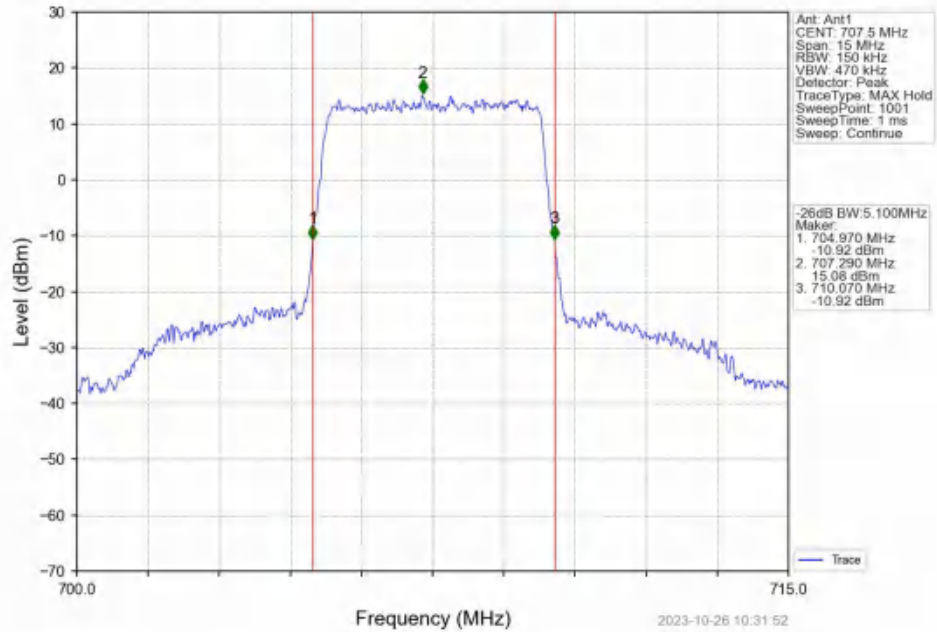
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



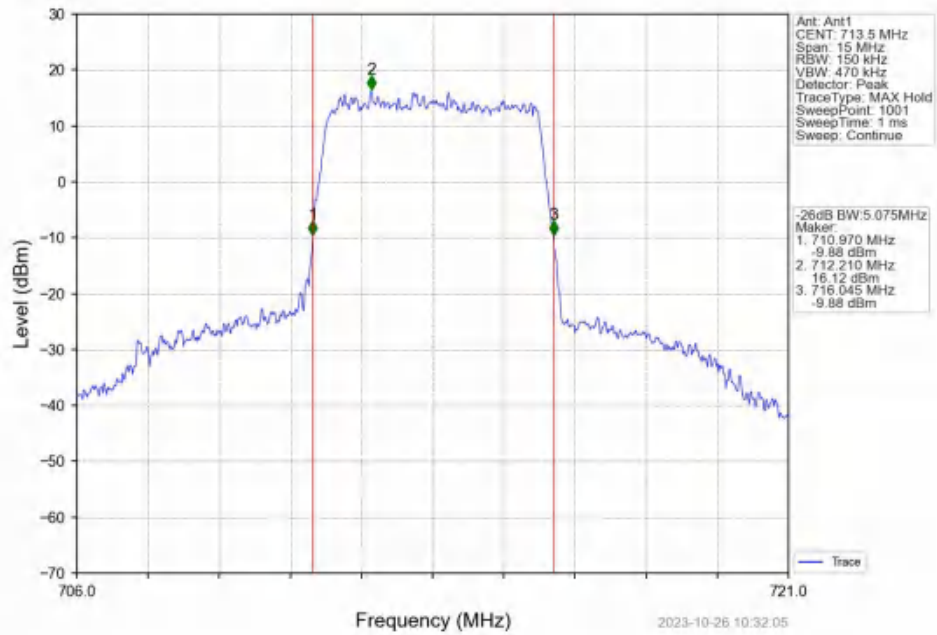
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



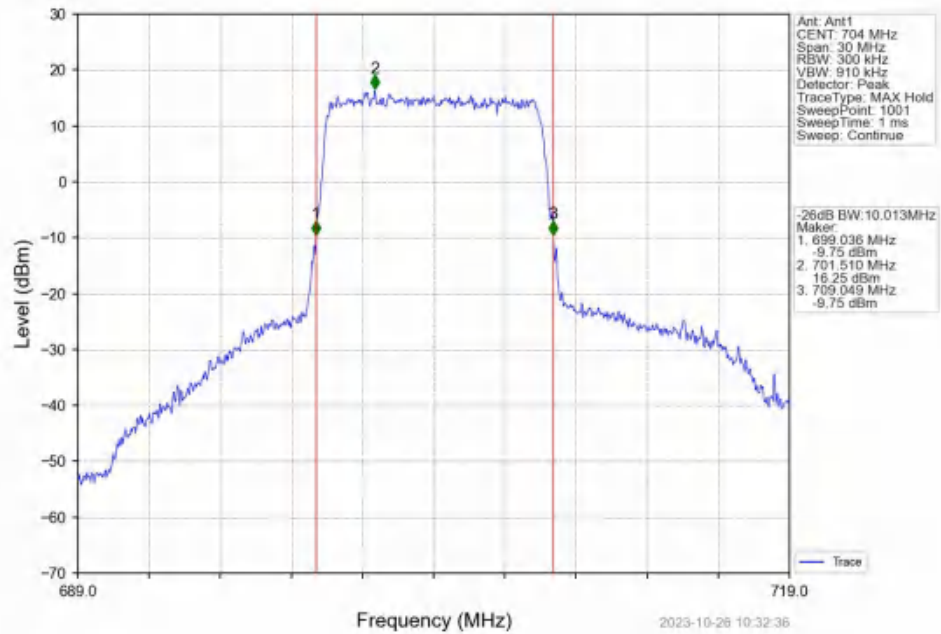
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



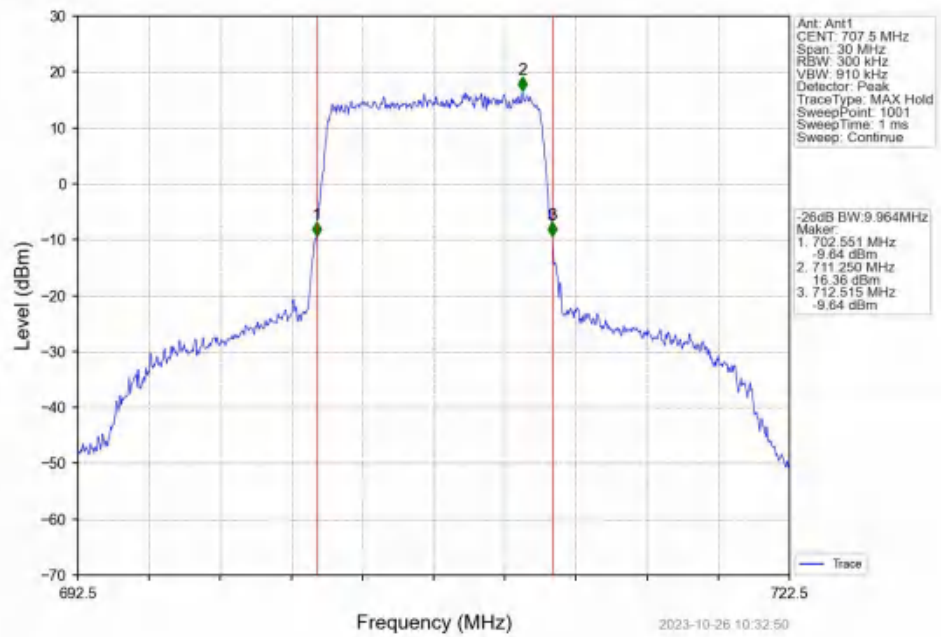
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



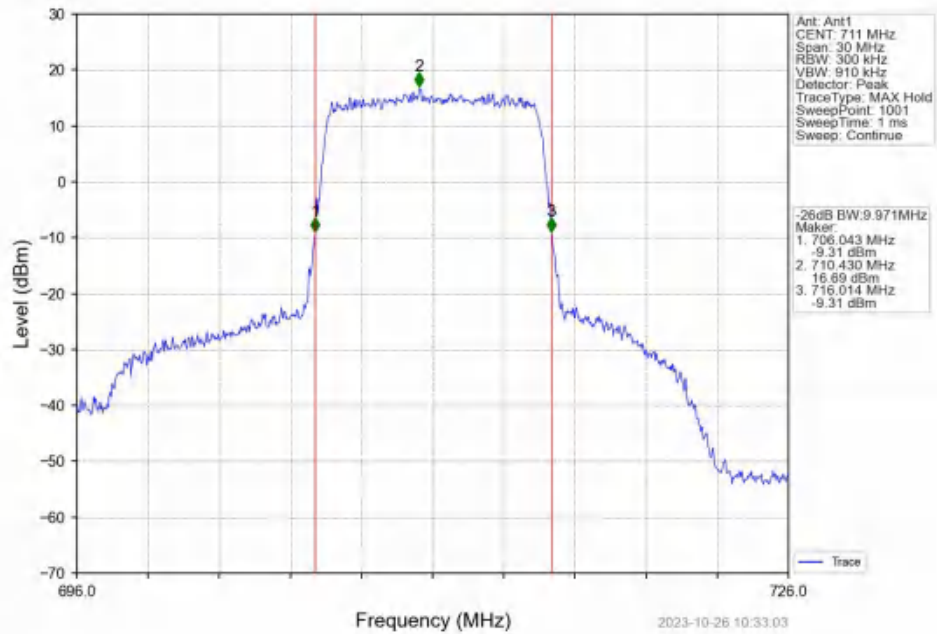
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



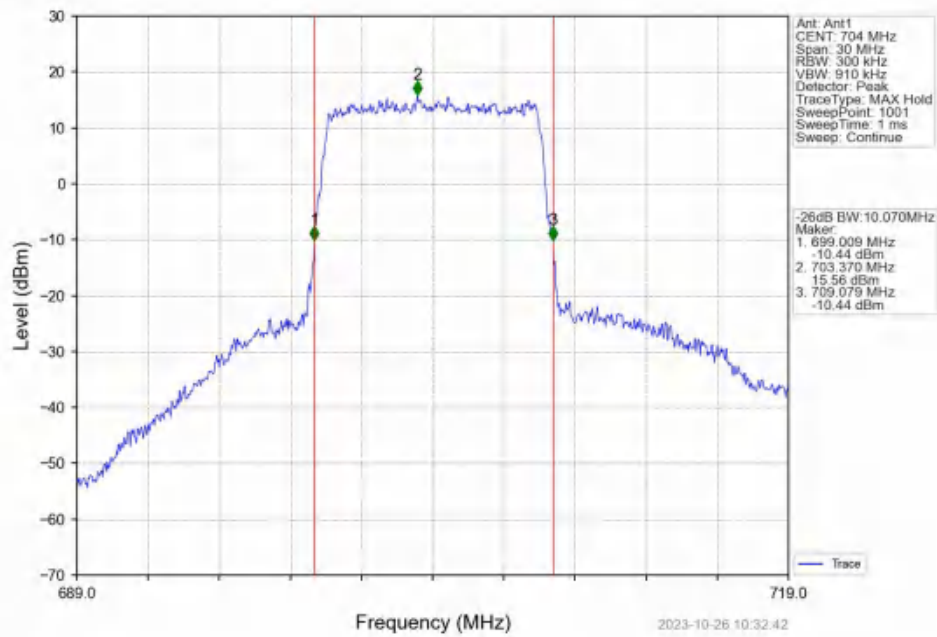
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



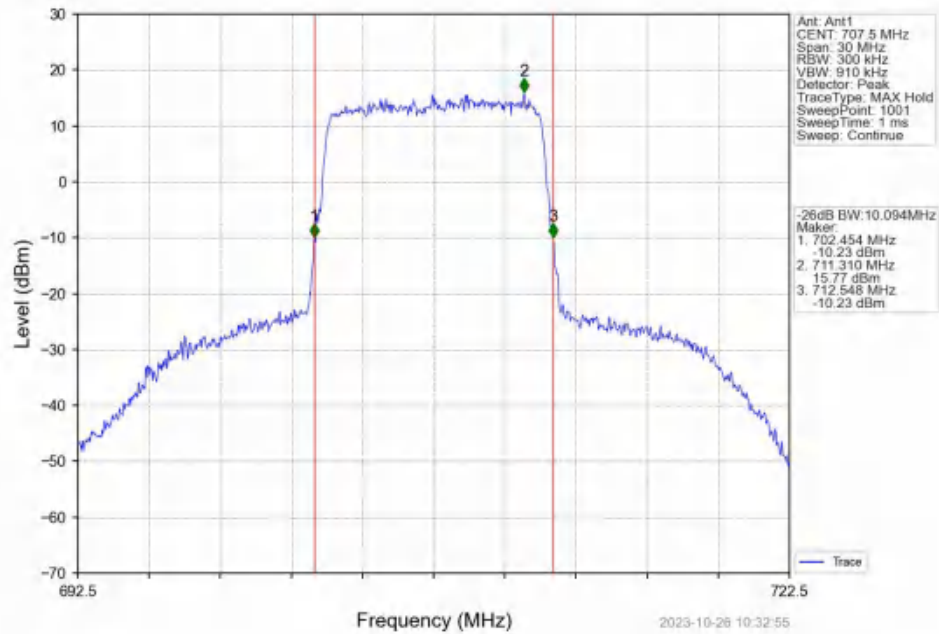
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



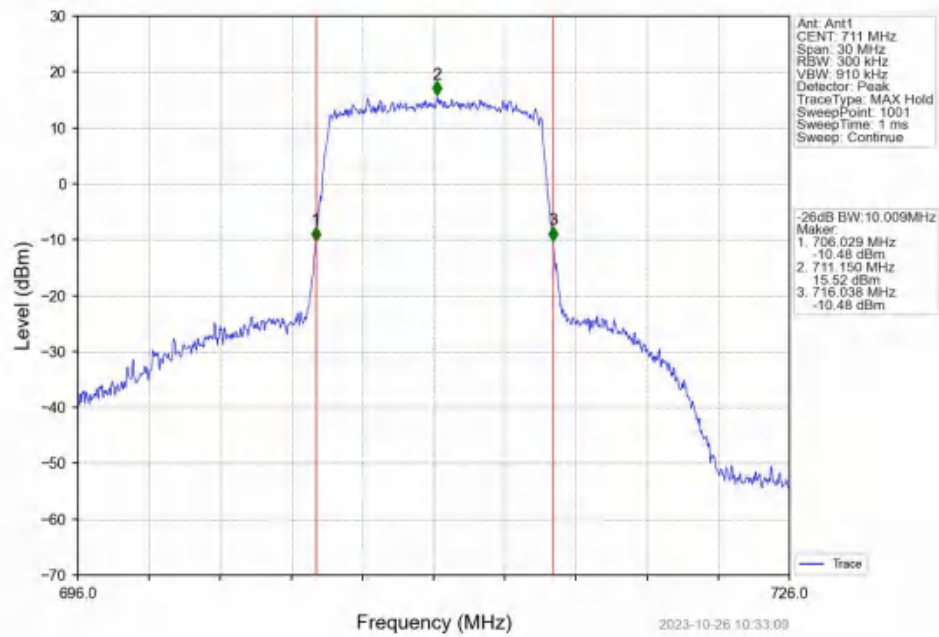
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



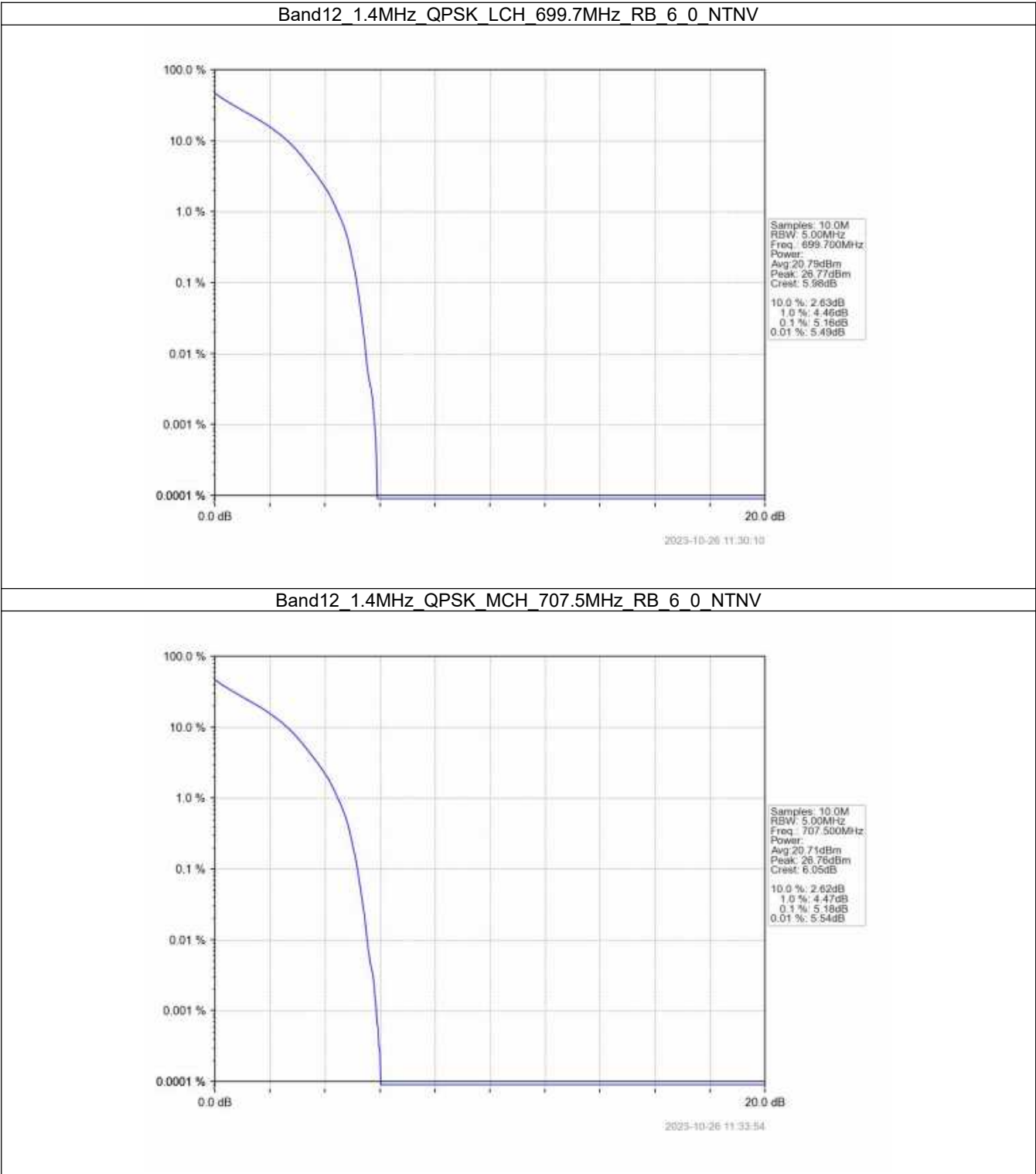
5. Peak-Average Ratio

5.1 B12_1.4MHz

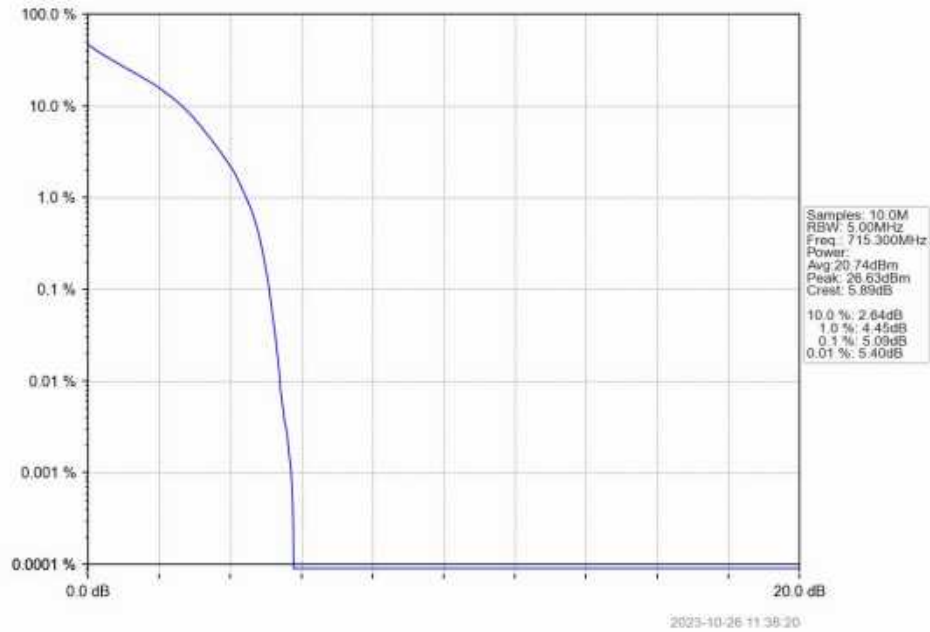
5.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.16	<=13	Pass
	707.5	6	0	5.18	<=13	Pass
	715.3	6	0	5.09	<=13	Pass
16QAM	699.7	6	0	5.96	<=13	Pass
	707.5	6	0	6.07	<=13	Pass
	715.3	6	0	5.94	<=13	Pass

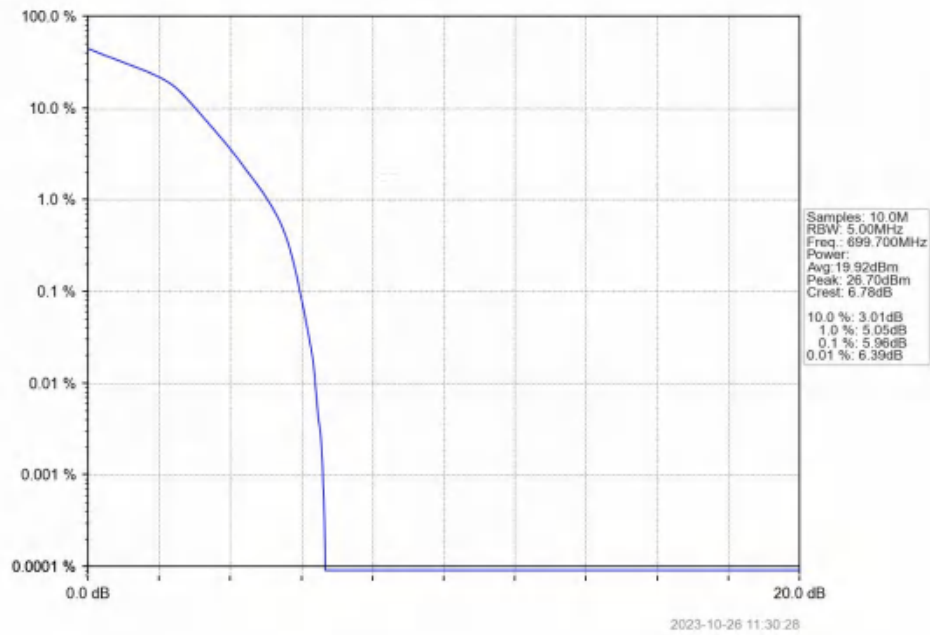
5.1.2 Test Graph



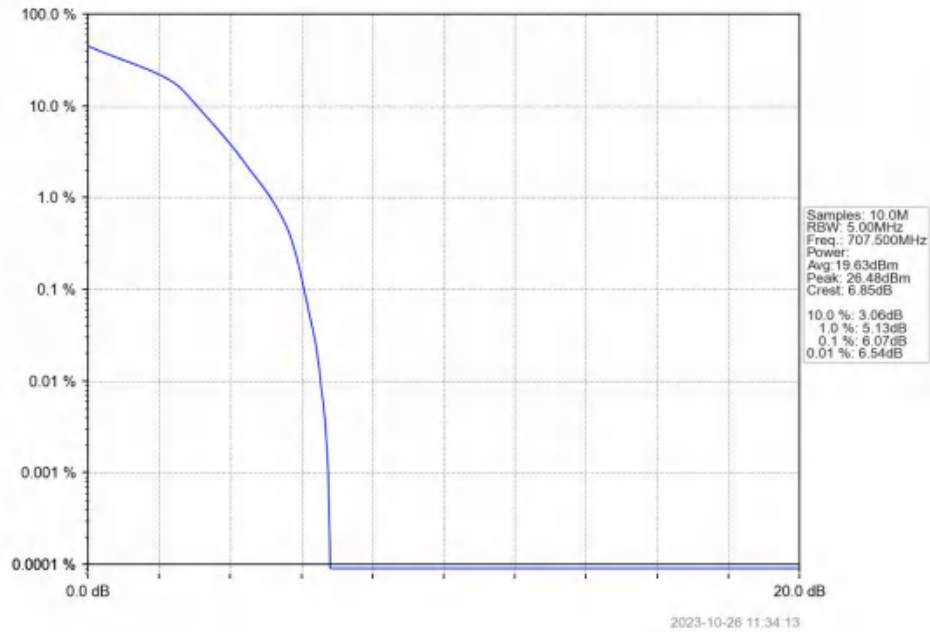
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



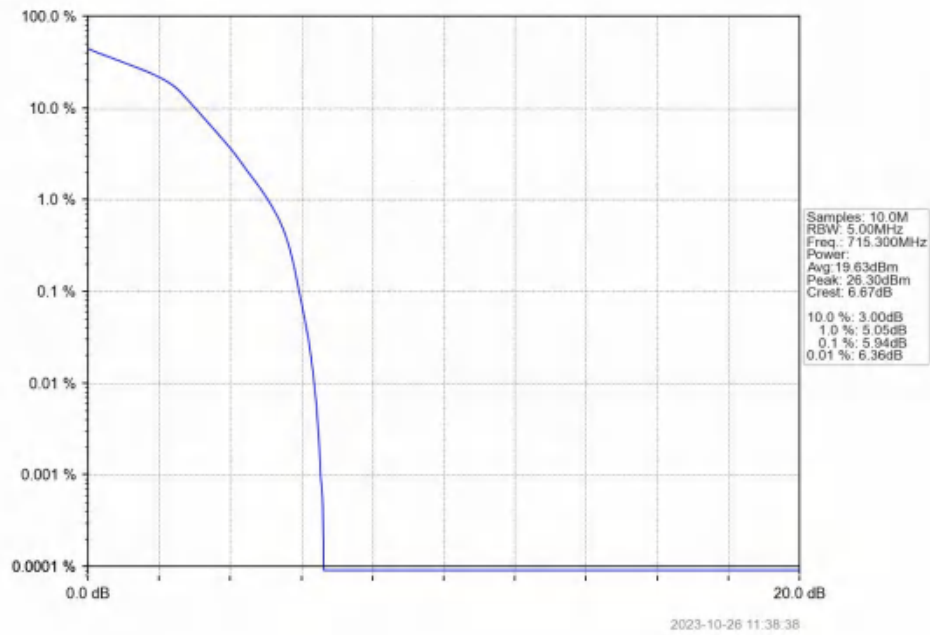
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12 1.4MHz 16QAM MCH 707.5MHz RB_6 0 NTNV



Band12 1.4MHz 16QAM HCH 715.3MHz RB_6 0 NTNV

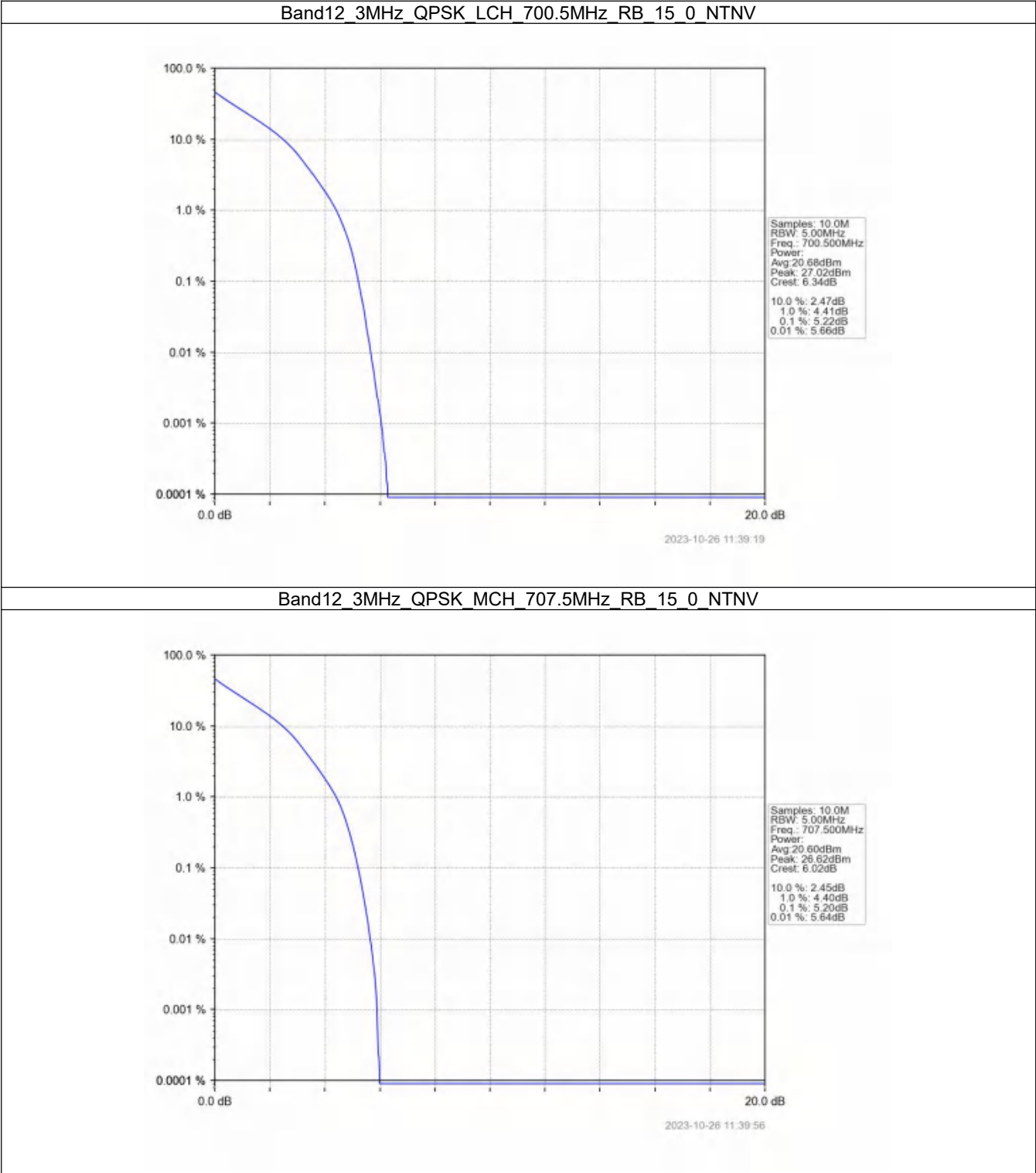


5.2 B12_3MHz

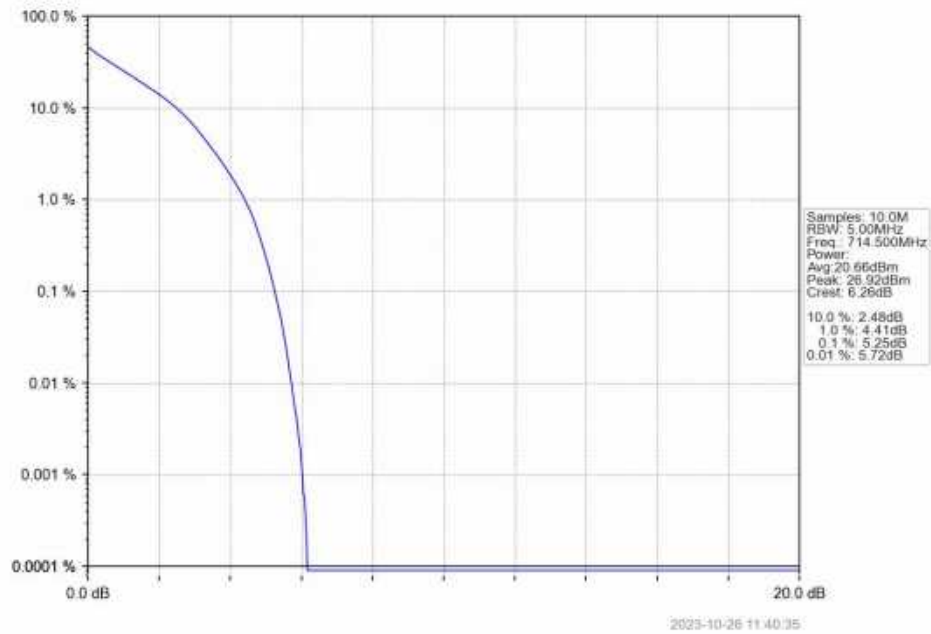
5.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.22	<=13	Pass
	707.5	15	0	5.20	<=13	Pass
	714.5	15	0	5.25	<=13	Pass
16QAM	700.5	15	0	6.05	<=13	Pass
	707.5	15	0	6.06	<=13	Pass
	714.5	15	0	6.05	<=13	Pass

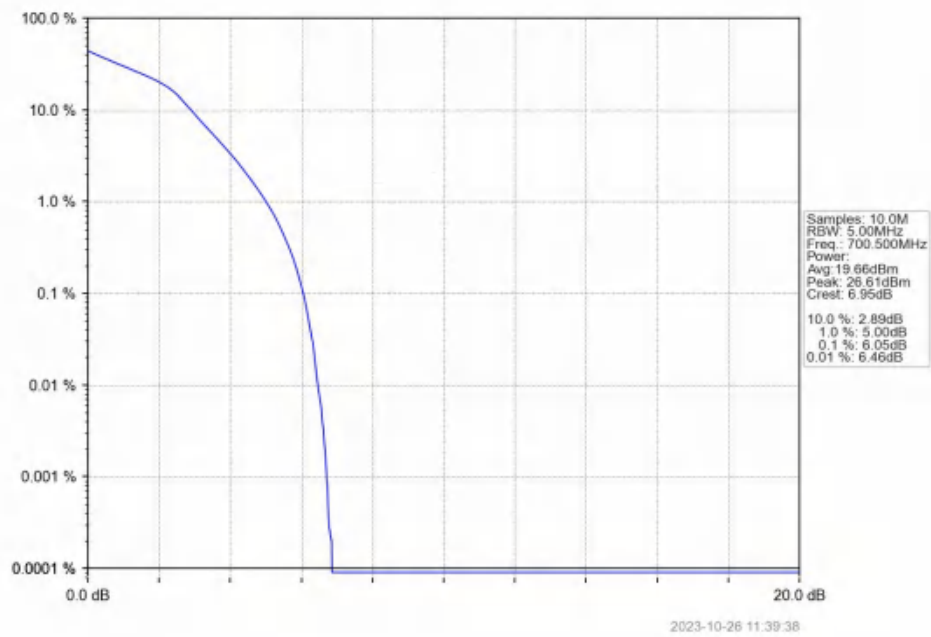
5.2.2 Test Graph



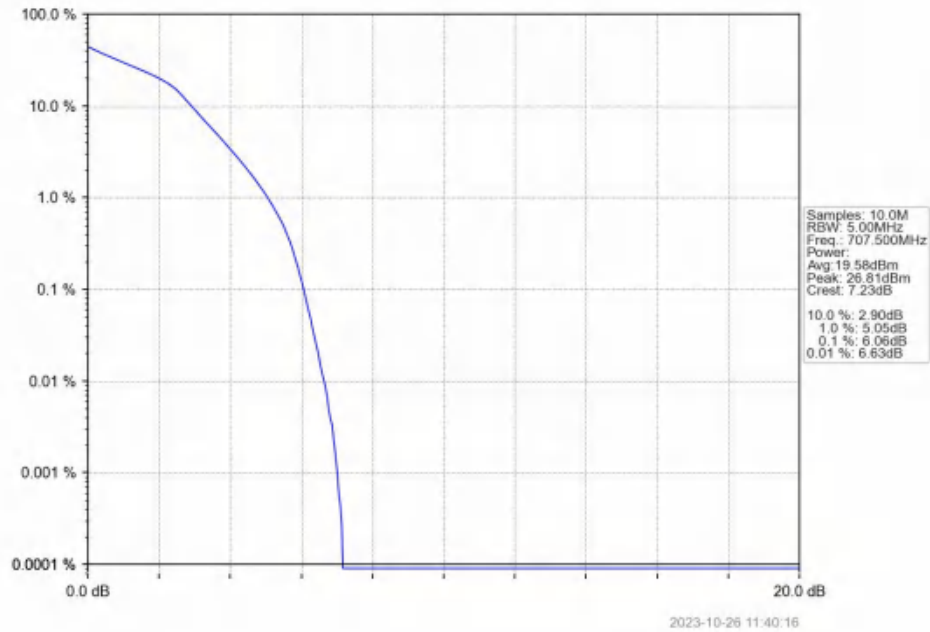
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



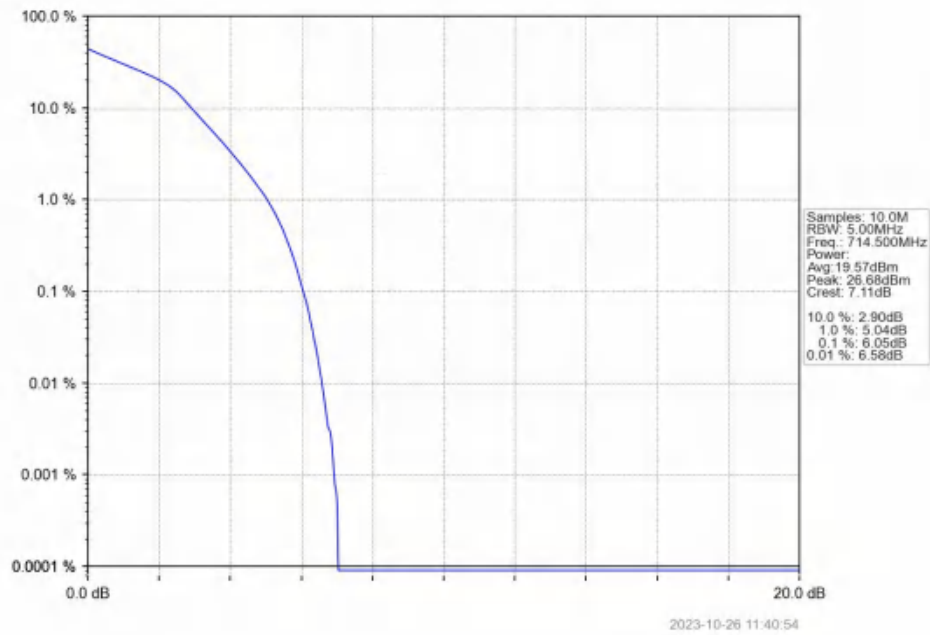
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV

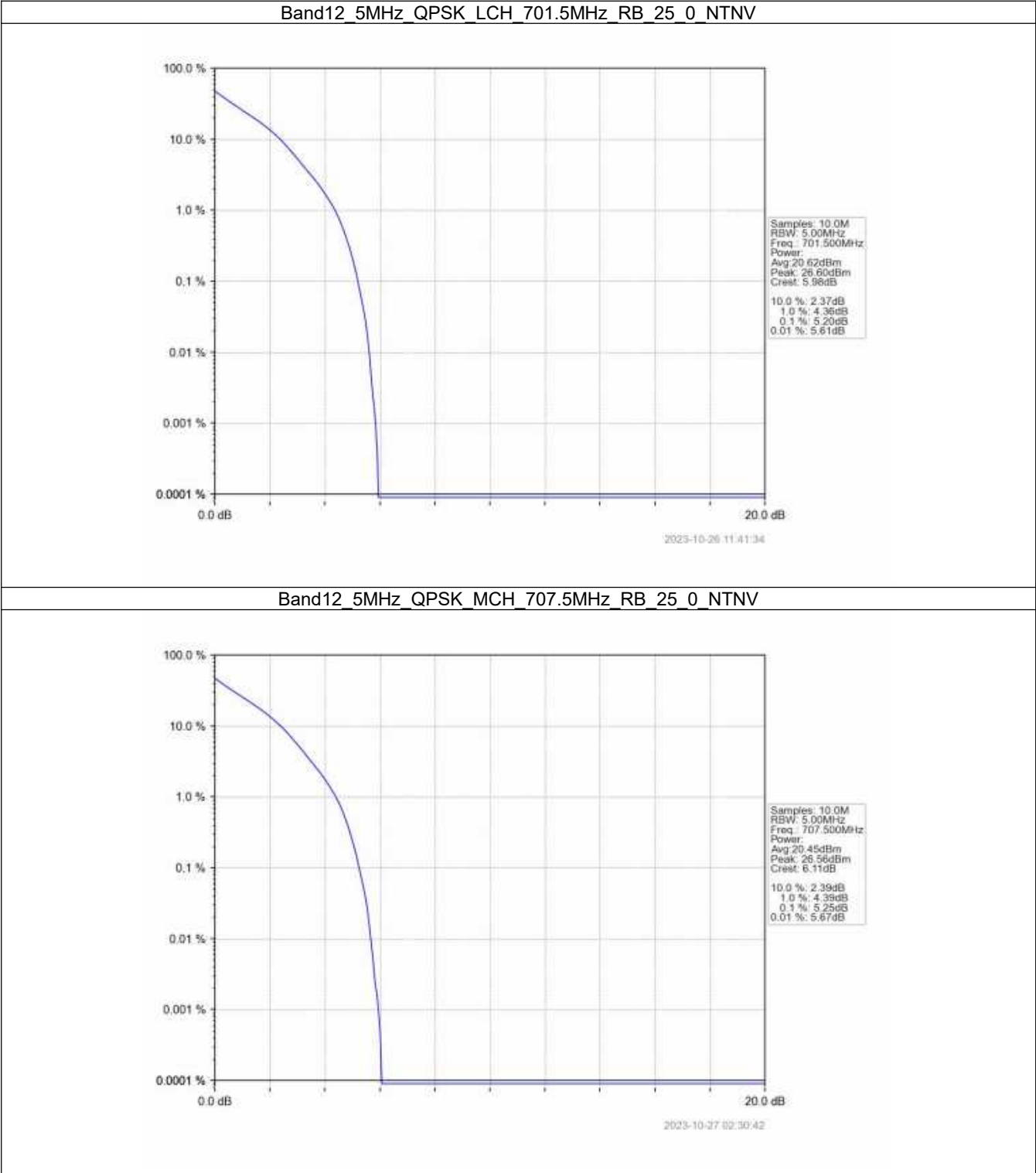


5.3 B12_5MHz

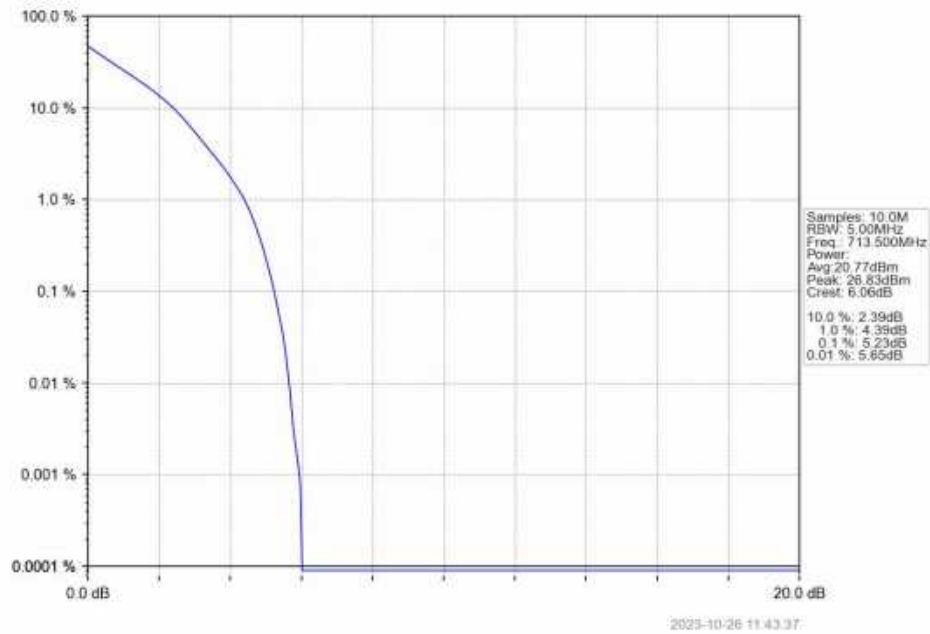
5.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.20	<=13	Pass
	707.5	25	0	5.25	<=13	Pass
	713.5	25	0	5.23	<=13	Pass
16QAM	701.5	25	0	5.96	<=13	Pass
	707.5	25	0	6.03	<=13	Pass
	713.5	25	0	6.01	<=13	Pass

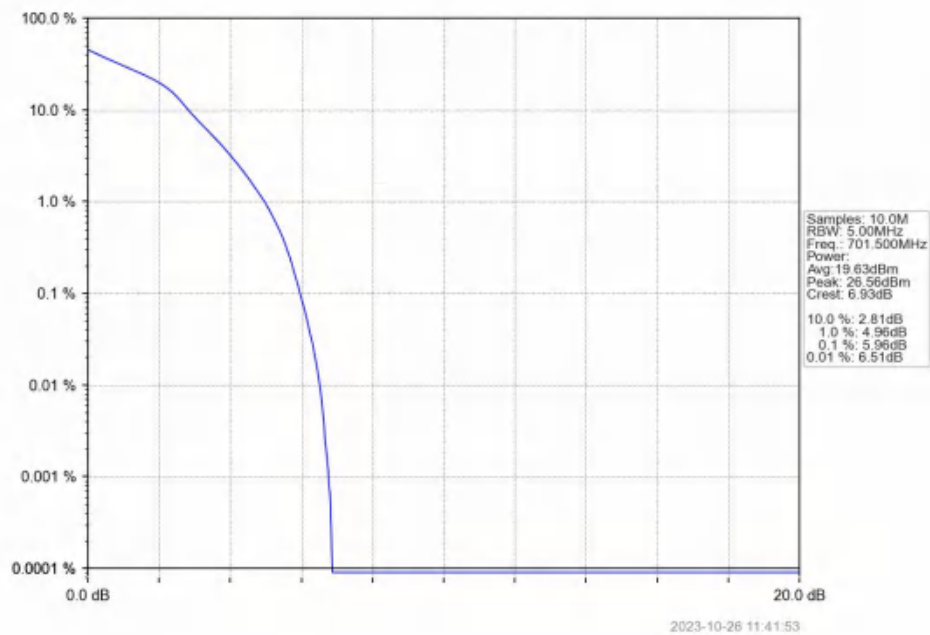
5.3.2 Test Graph



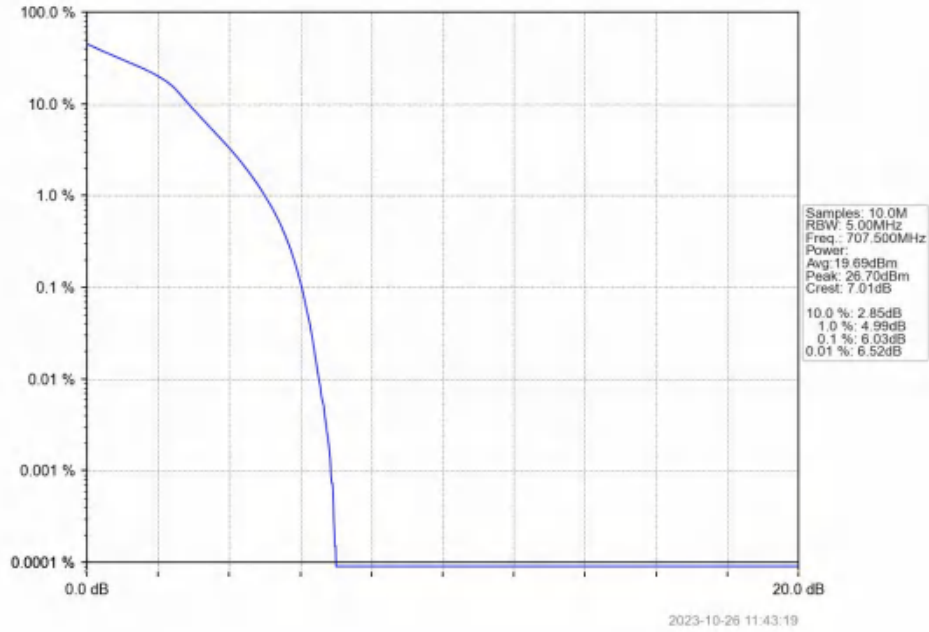
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



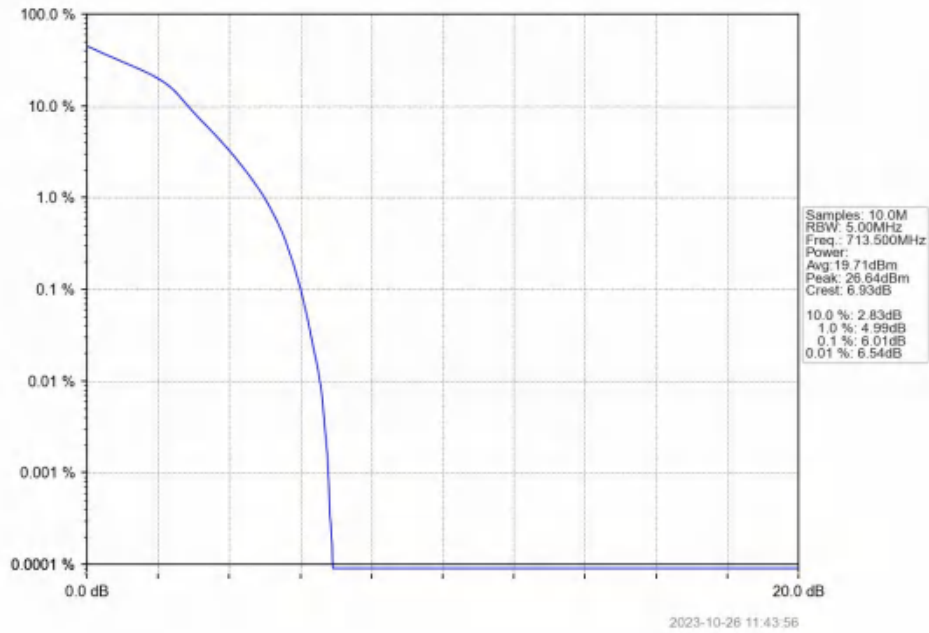
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

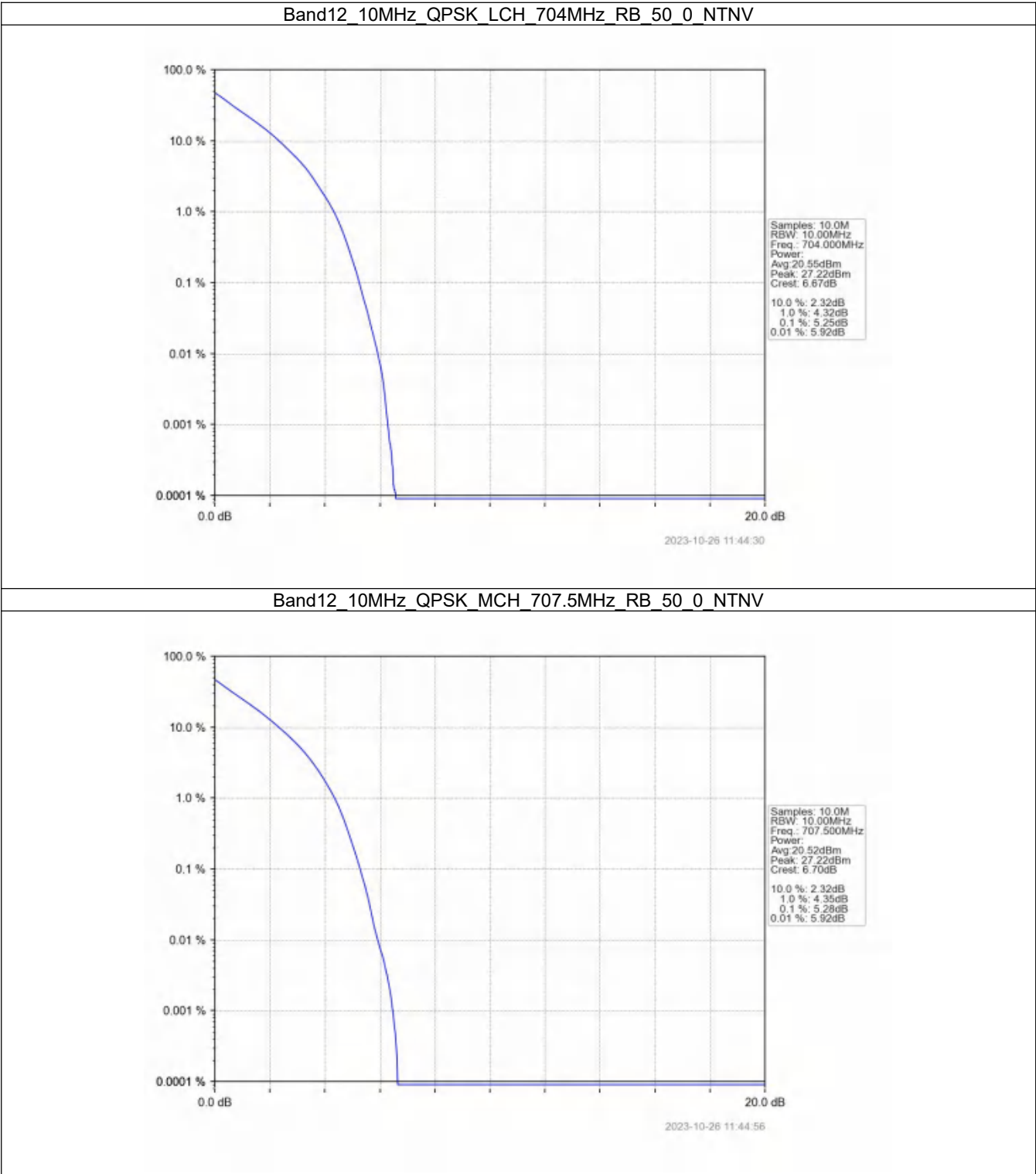


5.4 B12_10MHz

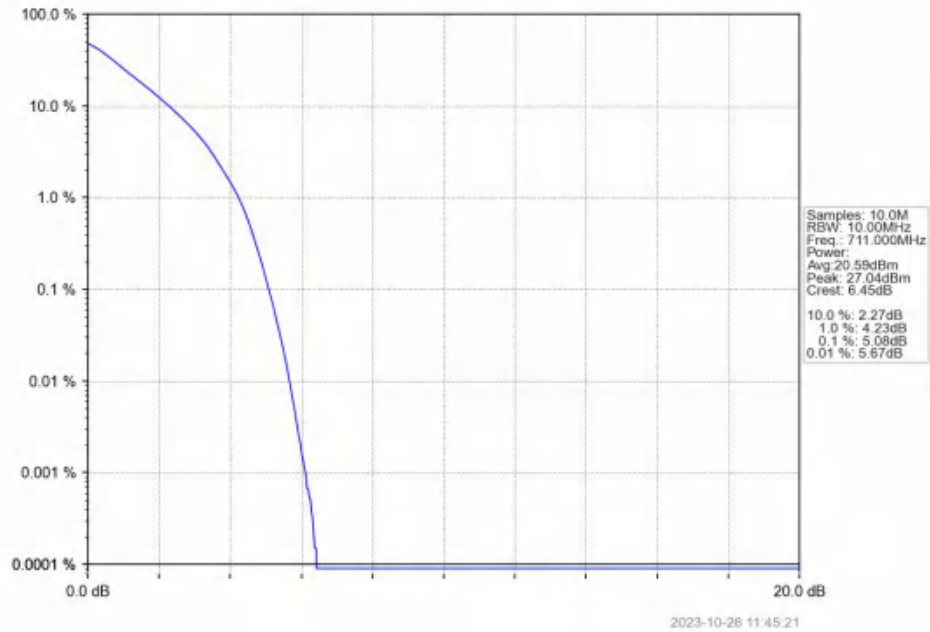
5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.25	<=13	Pass
	707.5	50	0	5.28	<=13	Pass
	711	50	0	5.08	<=13	Pass
16QAM	704	50	0	6.04	<=13	Pass
	707.5	50	0	6.03	<=13	Pass
	711	50	0	5.93	<=13	Pass

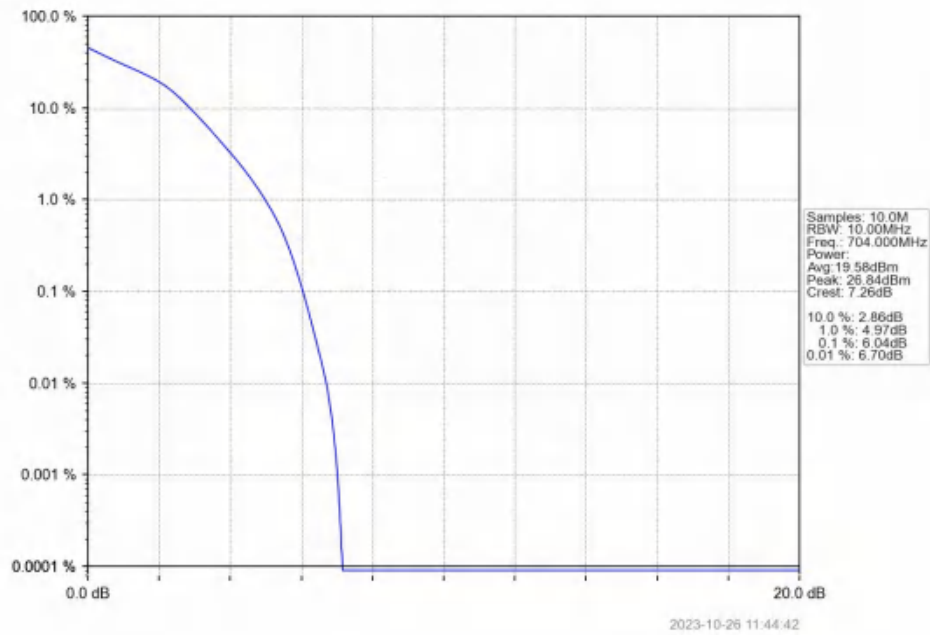
5.4.2 Test Graph



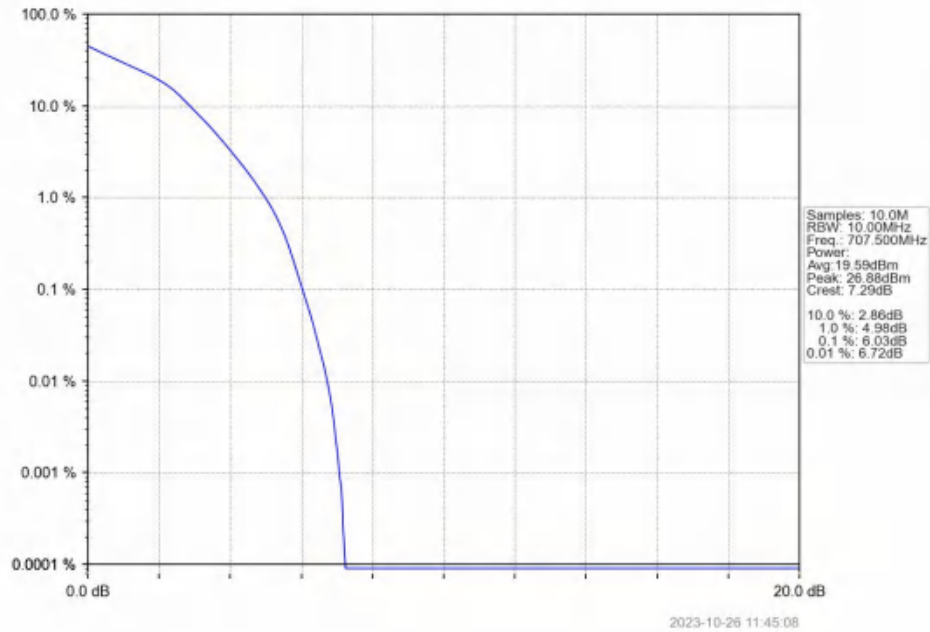
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



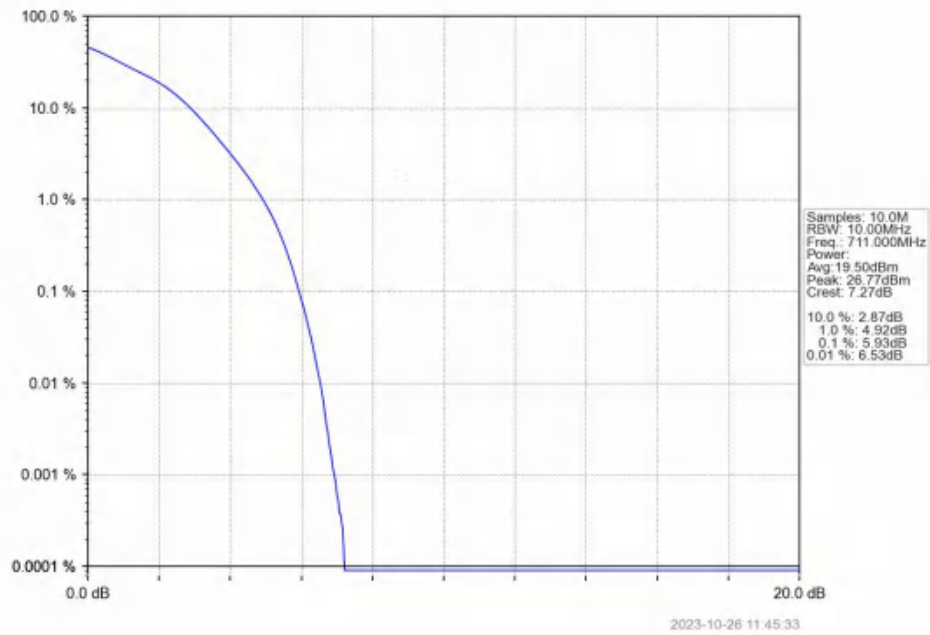
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



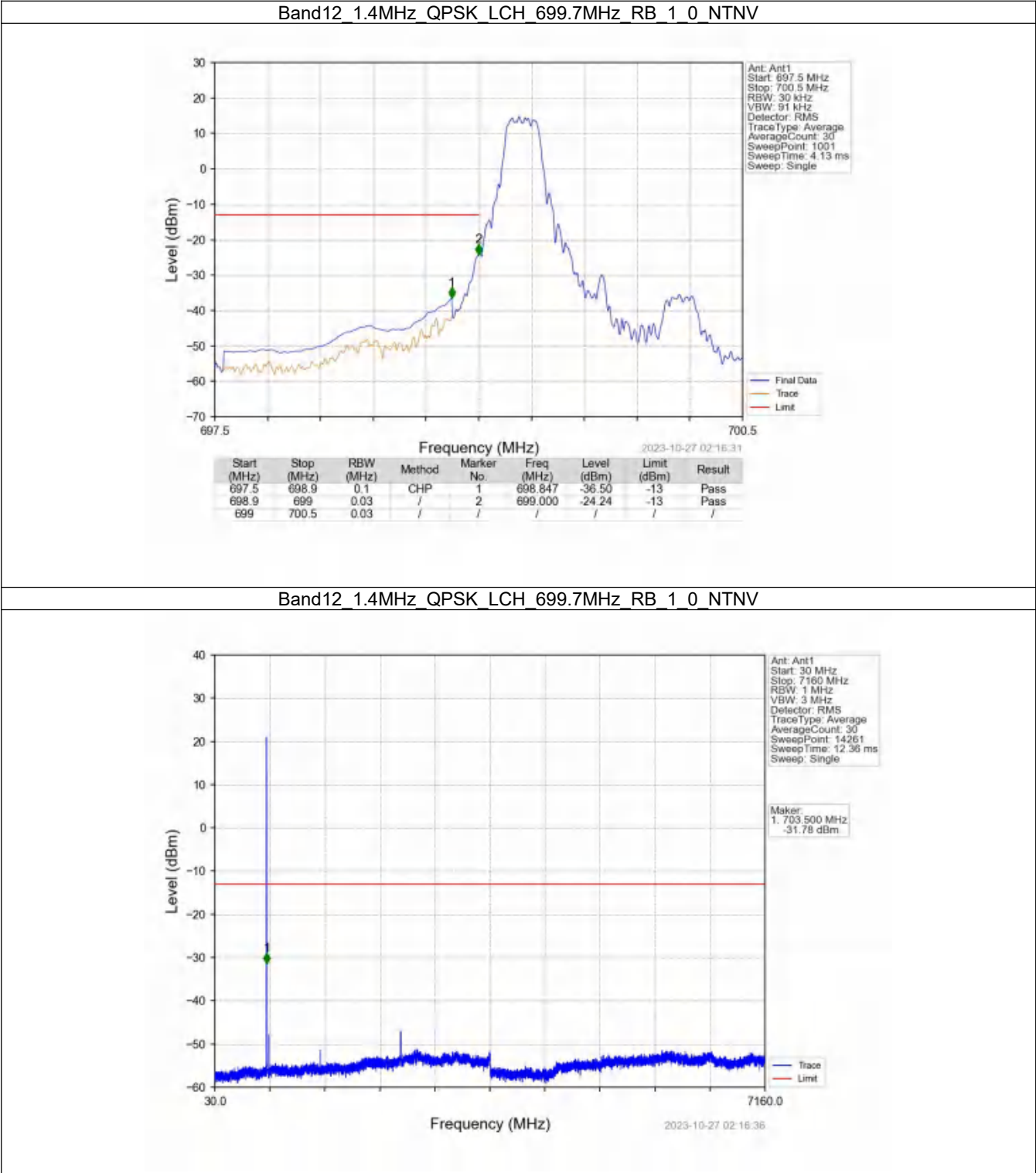
6. Spurious Emission

6.1 B12_1.4MHz

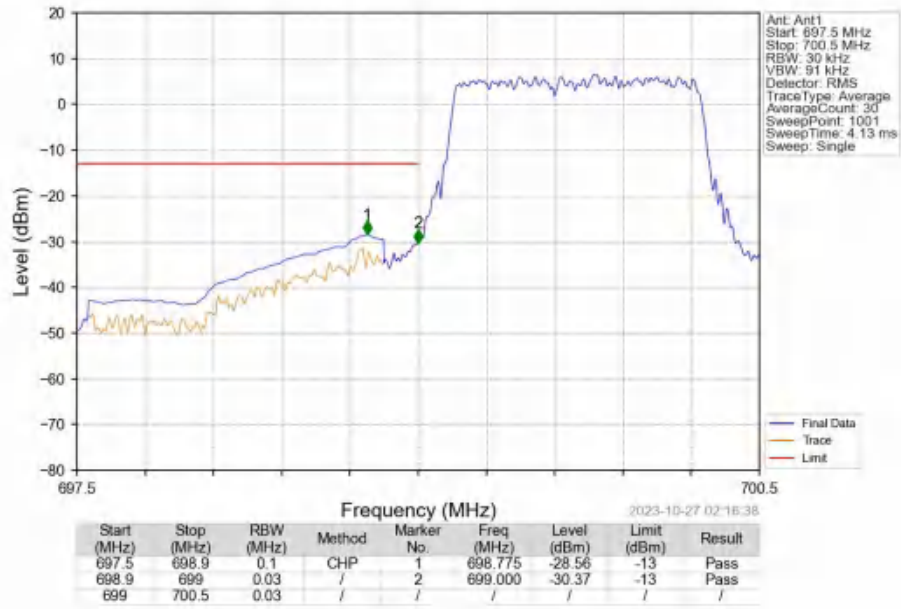
6.1.1 Test Result

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

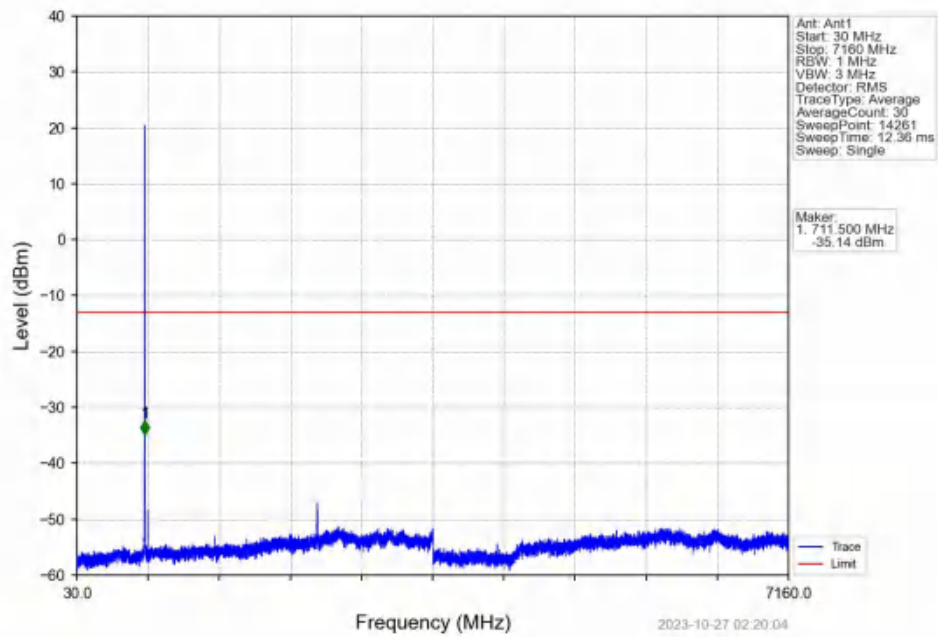
6.1.2 Test Graph



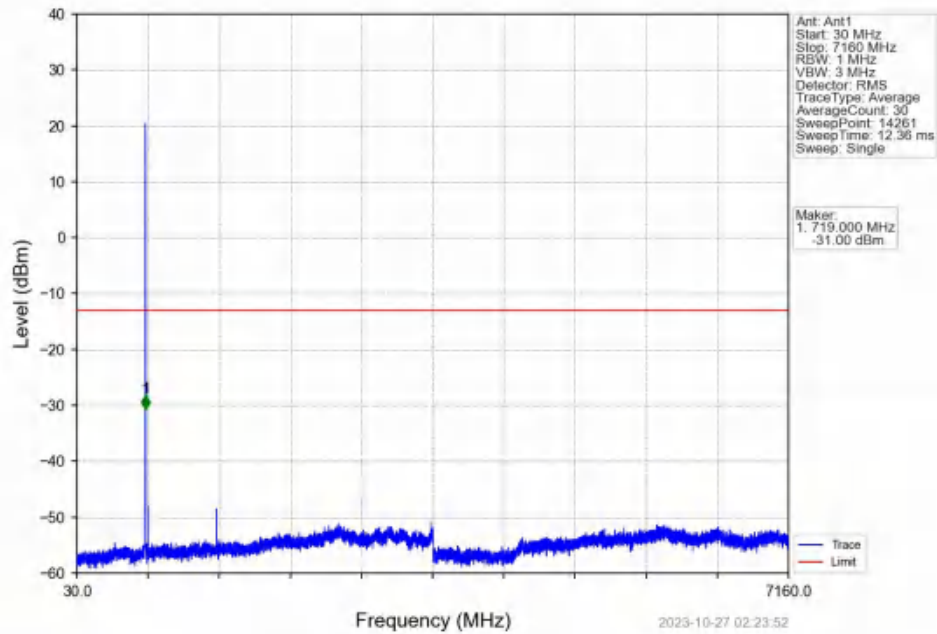
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



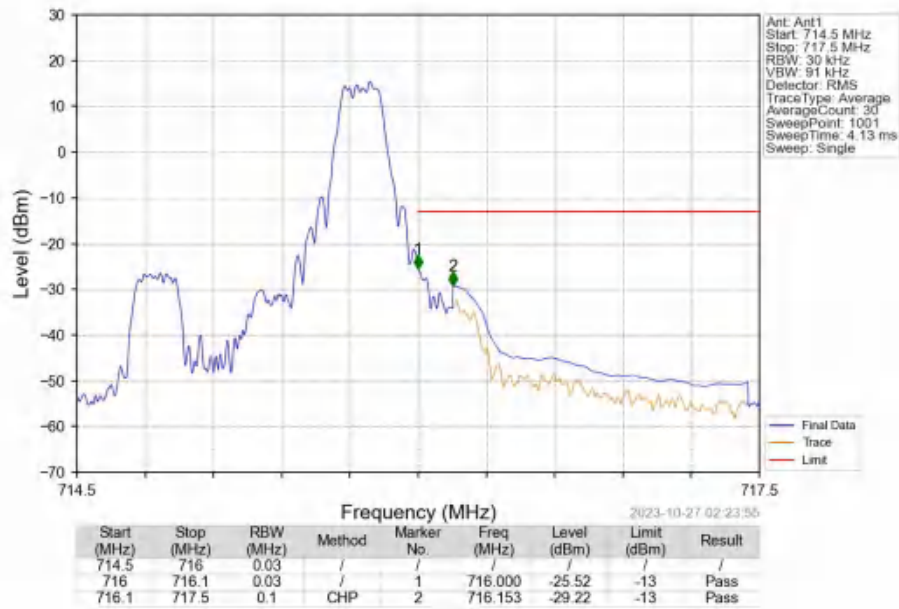
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



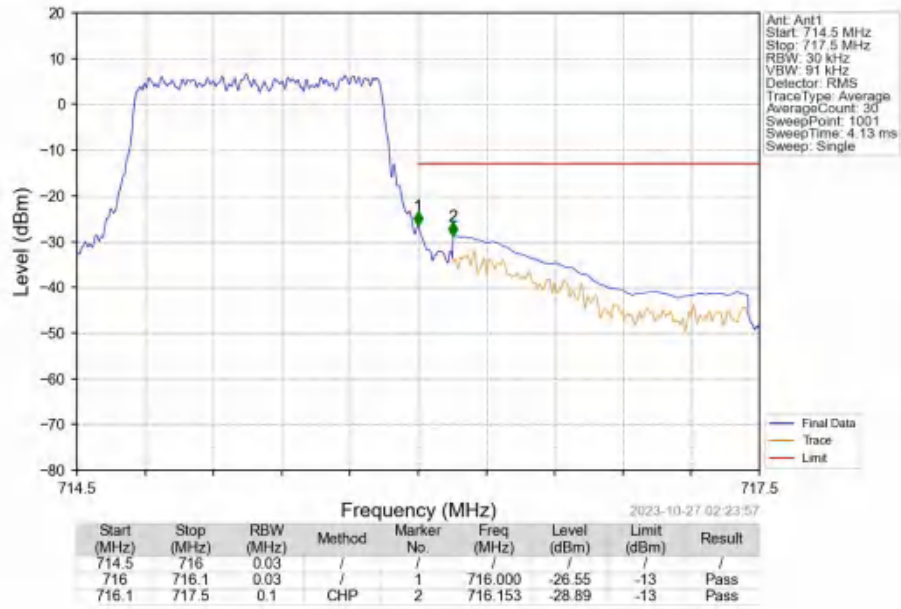
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



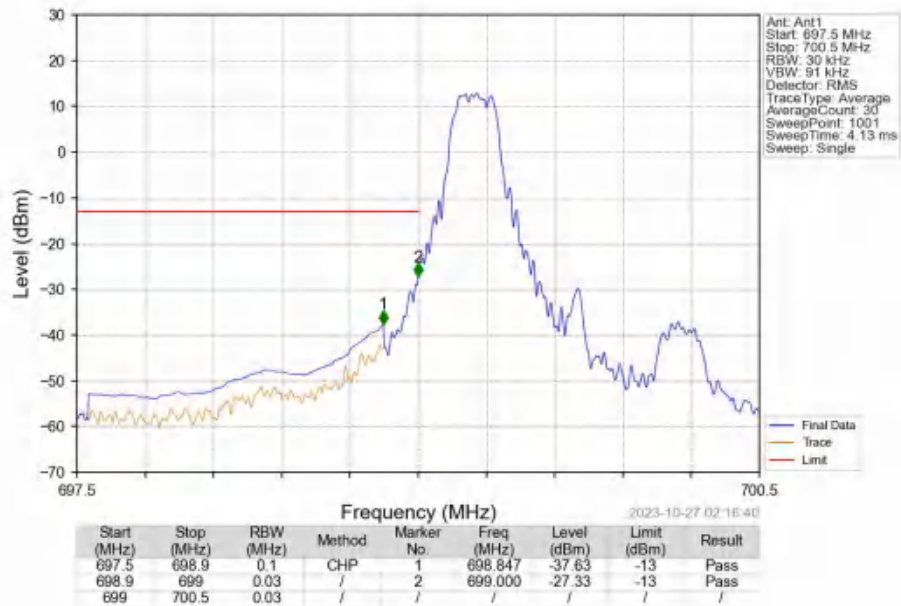
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



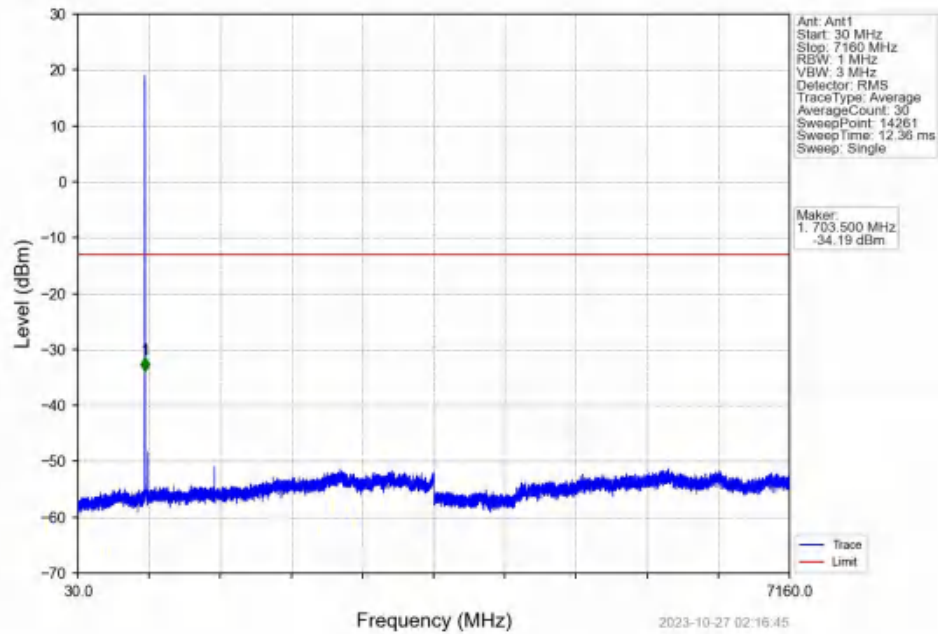
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



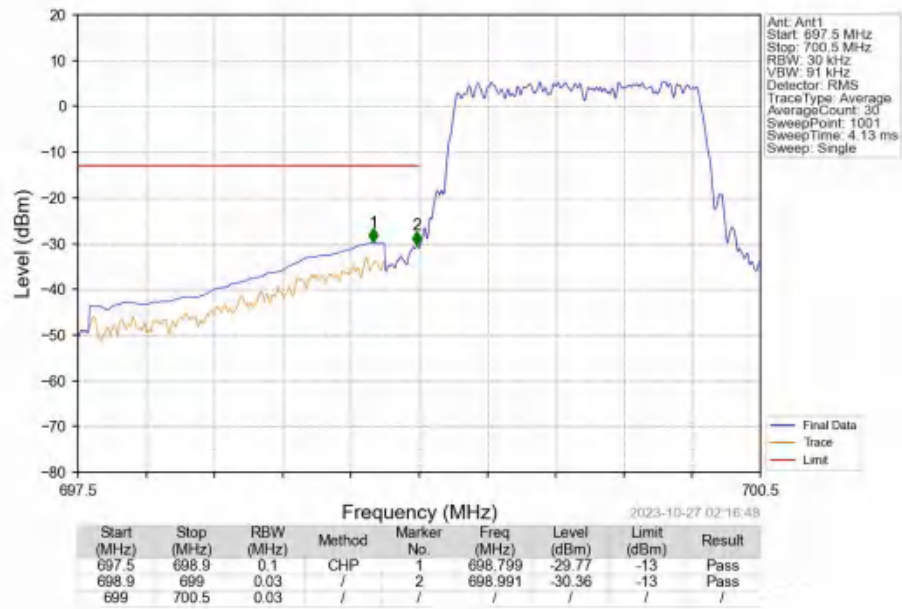
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



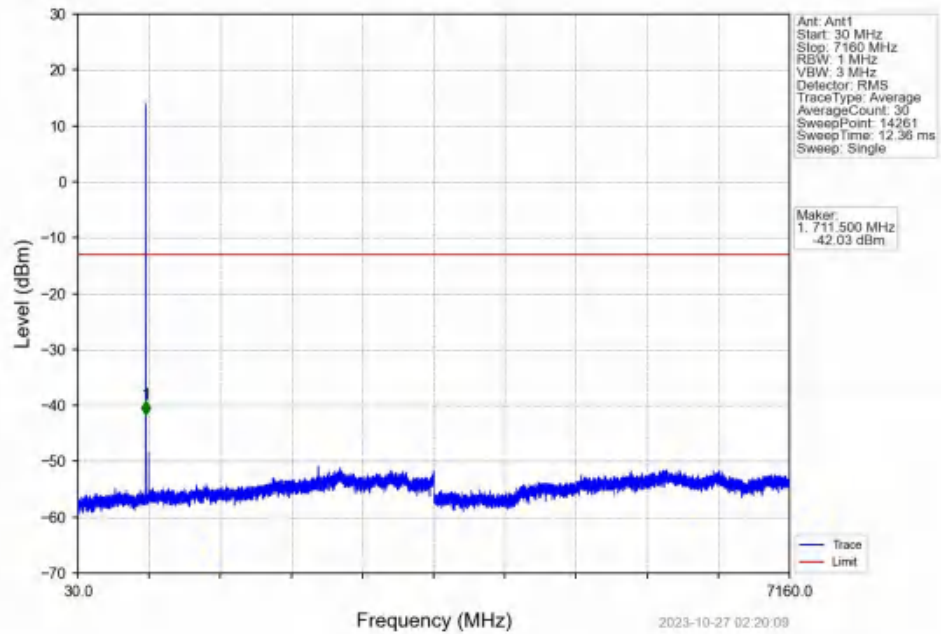
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



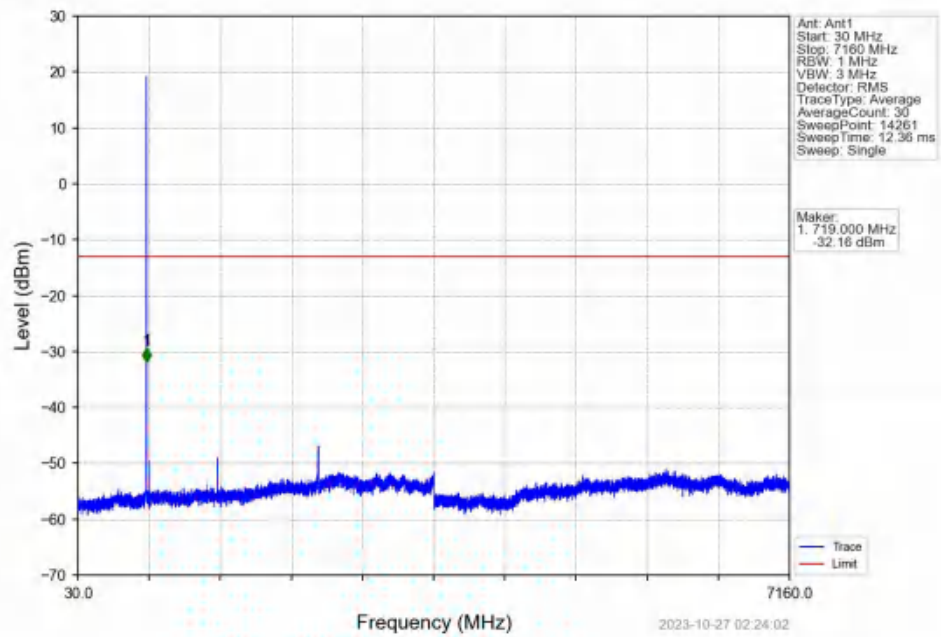
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



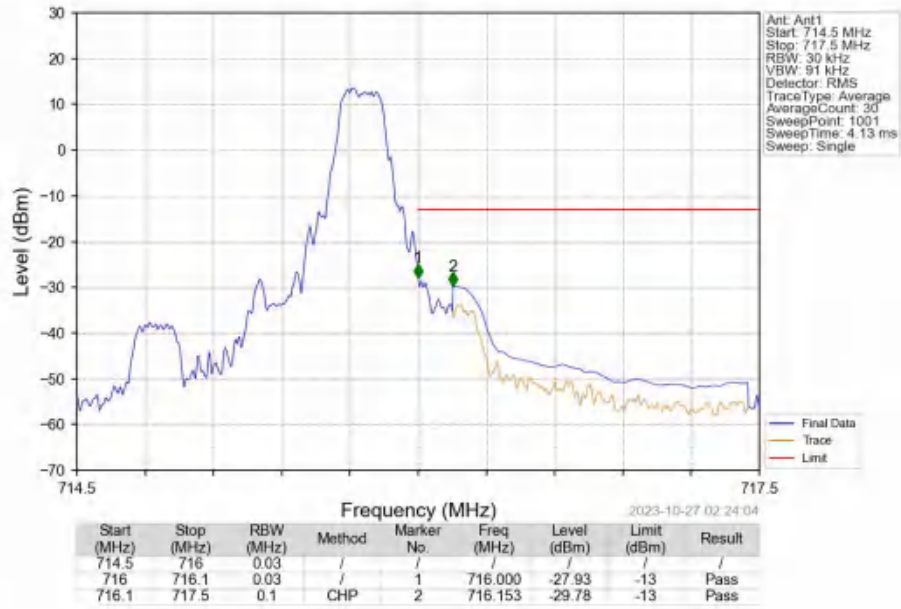
Band12 1.4MHz 16QAM MCH 707.5MHz RB_1_0 NTNV



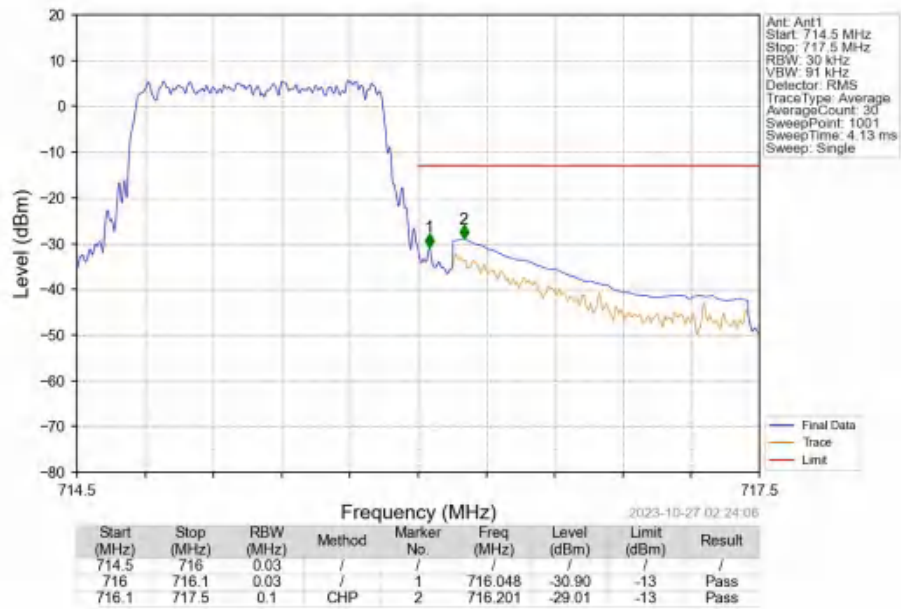
Band12 1.4MHz 16QAM HCH 715.3MHz RB_1_0 NTNV



Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 5 NTNV



Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV

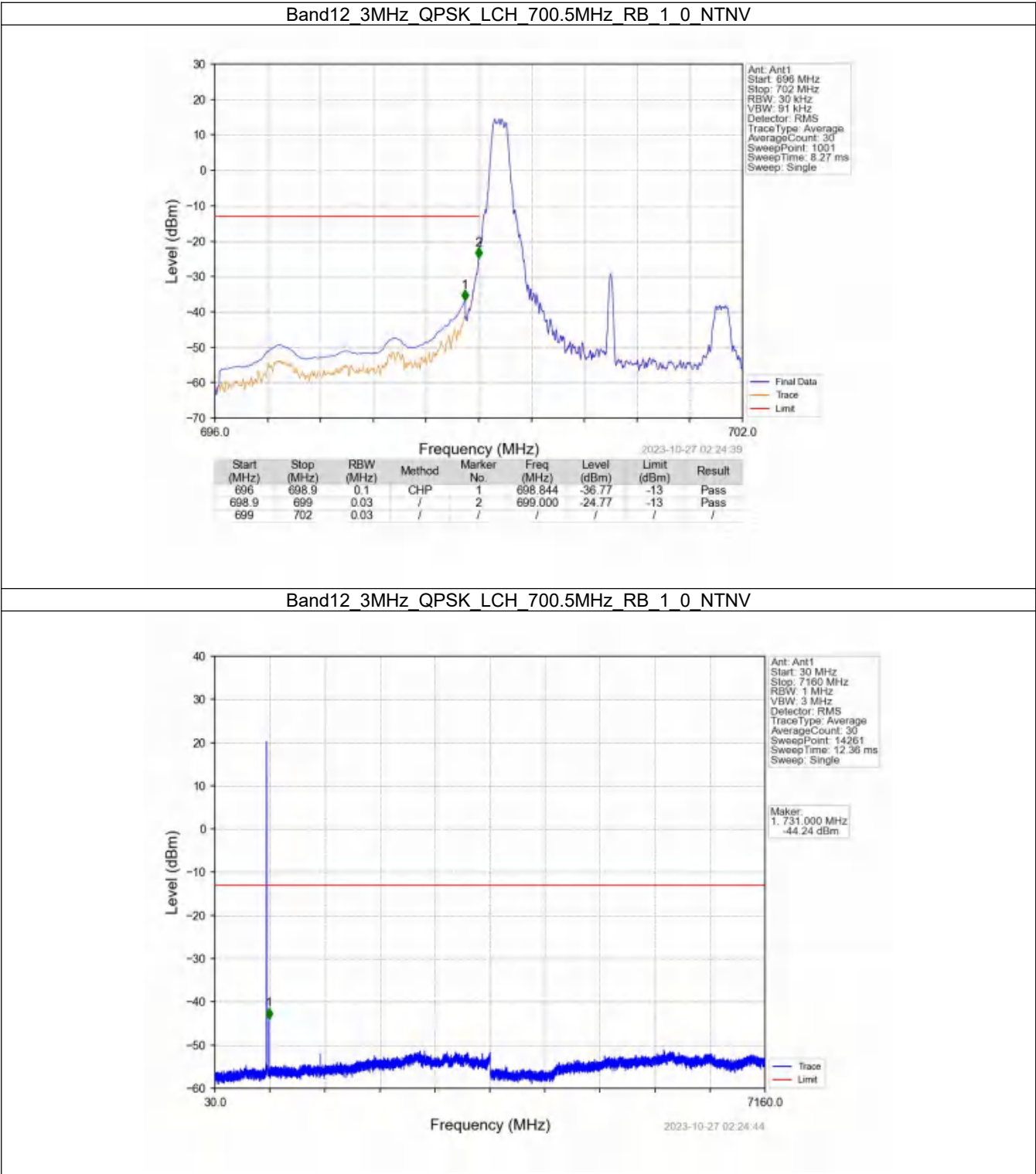


6.2 B12_3MHz

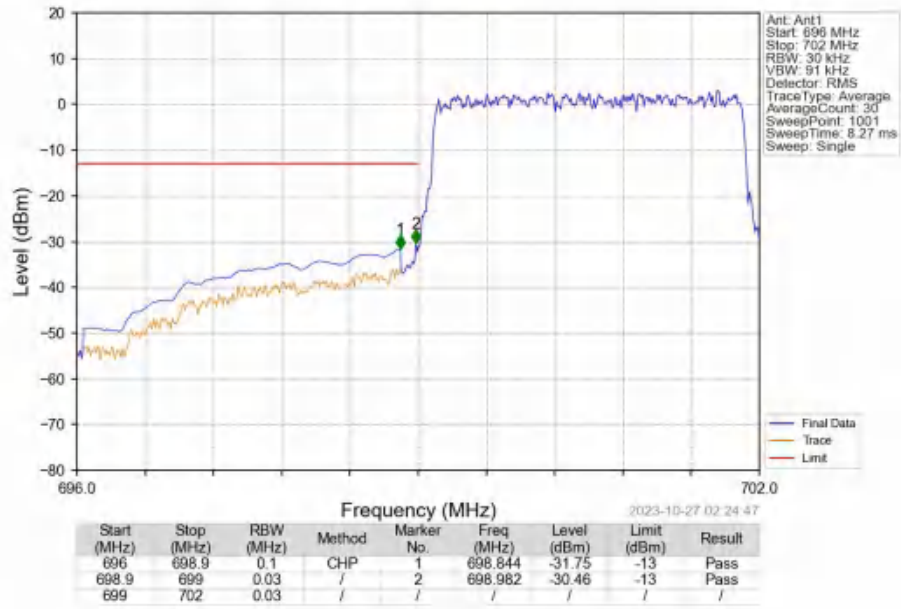
6.2.1 Test Result

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

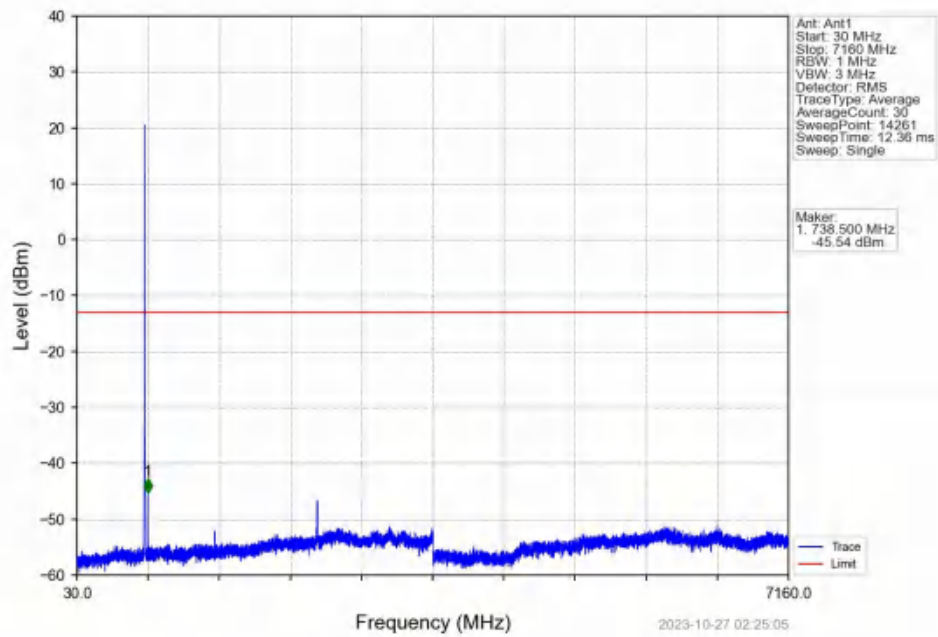
6.2.2 Test Graph



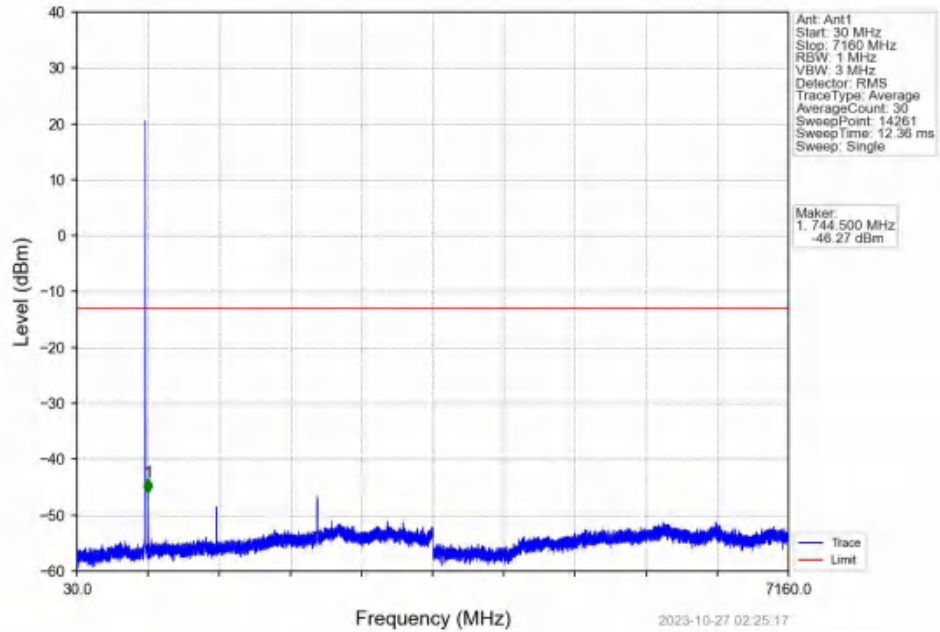
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



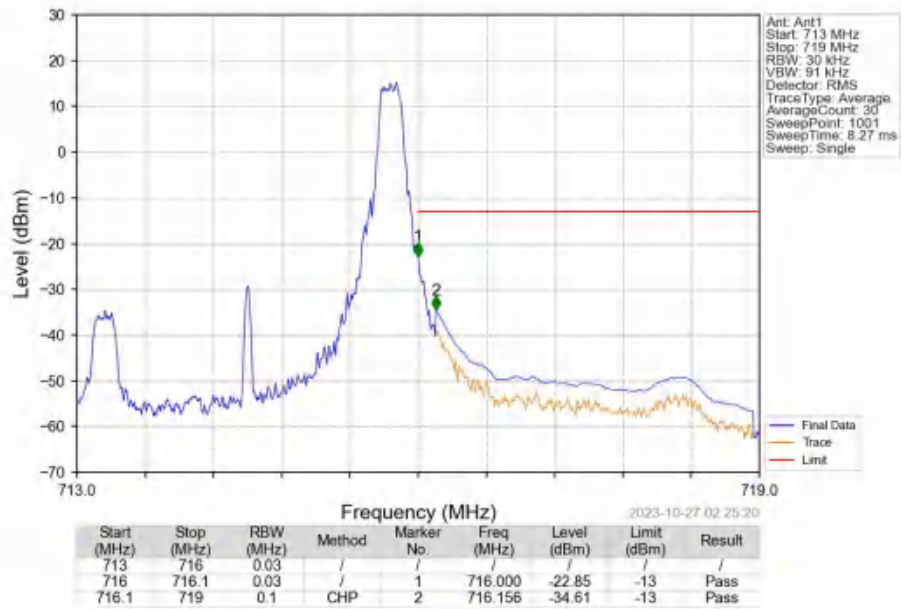
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



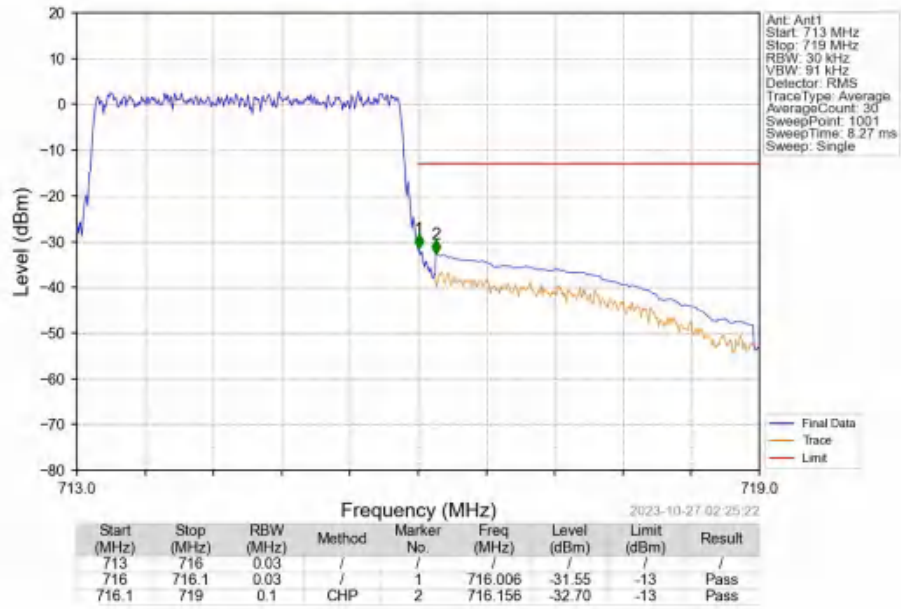
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTN



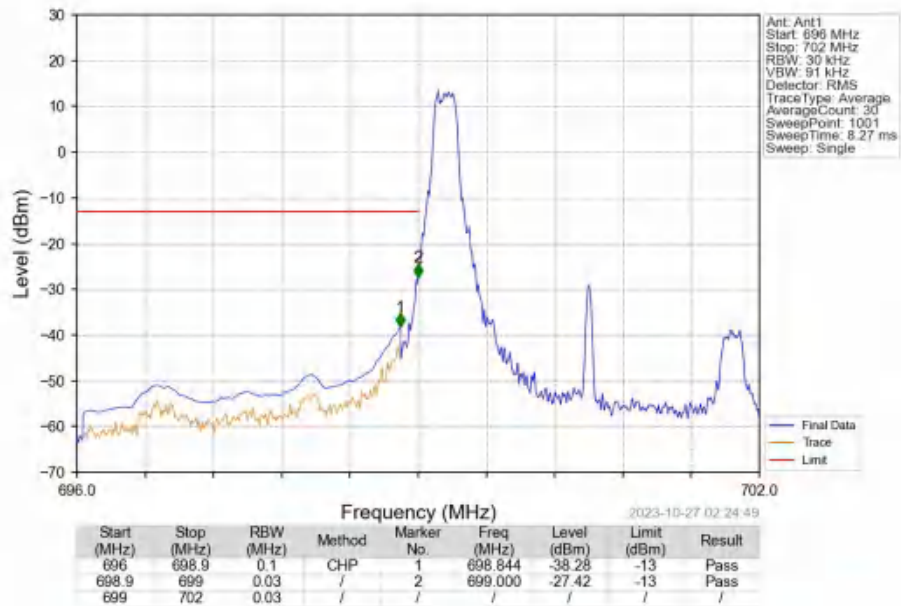
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14 NTN



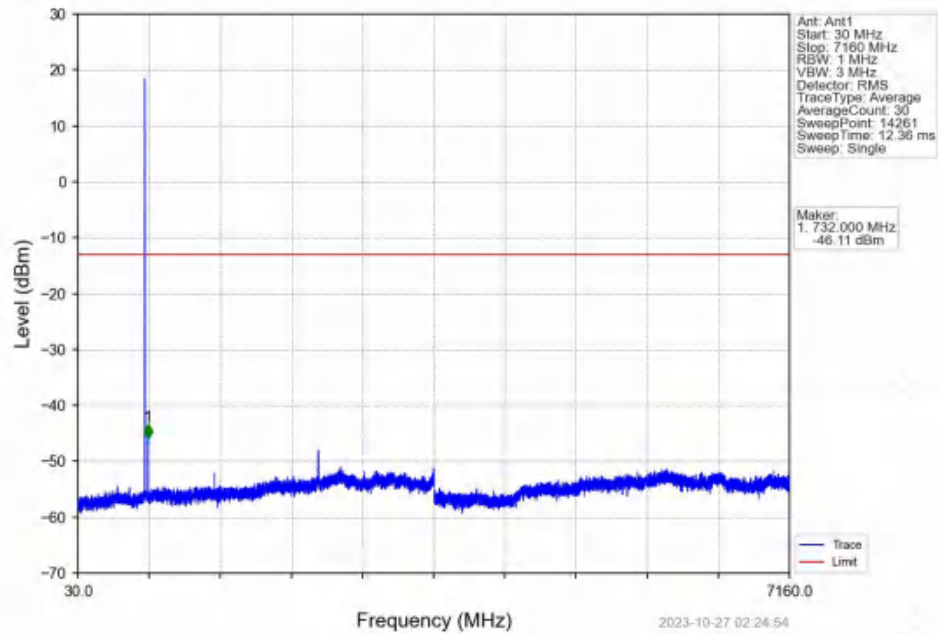
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



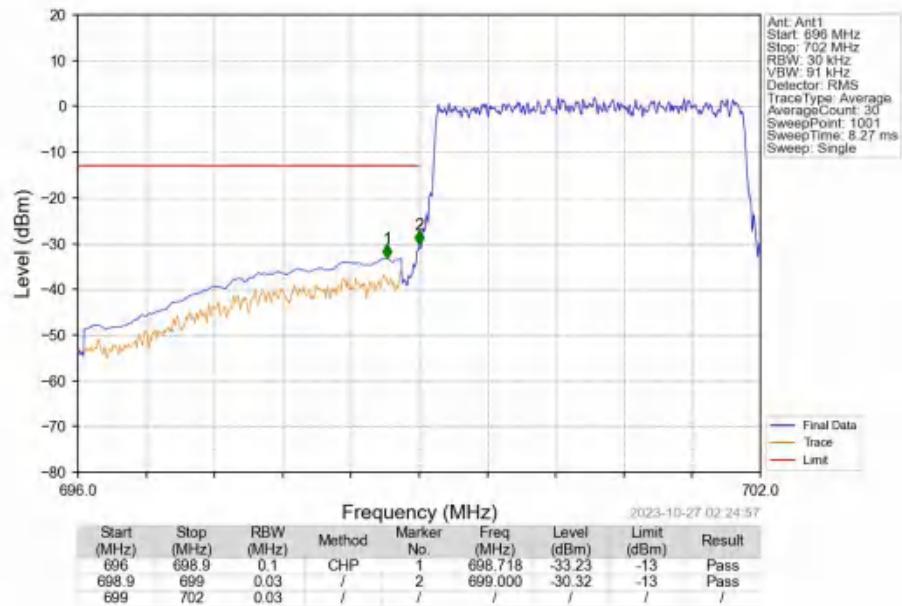
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



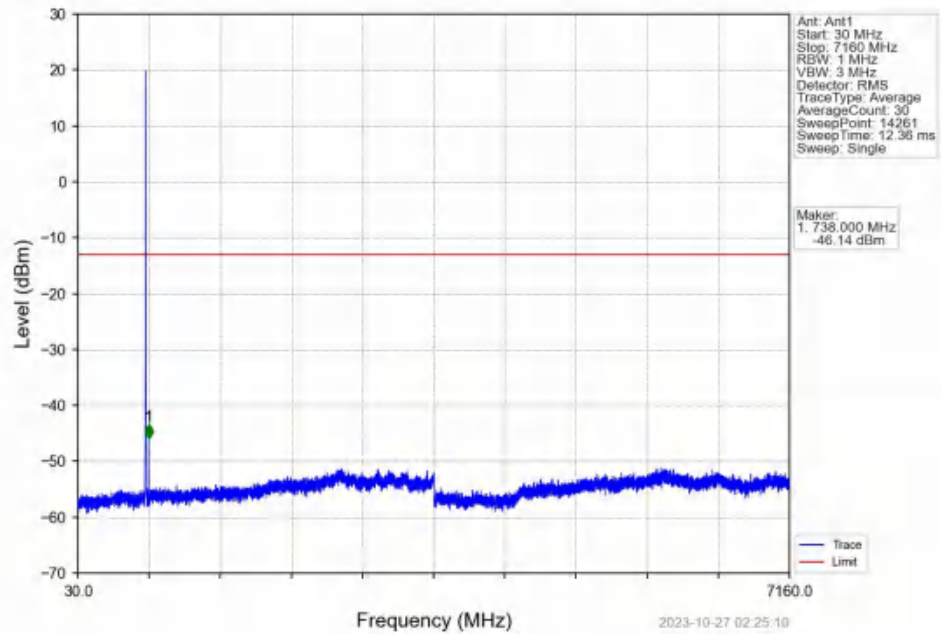
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



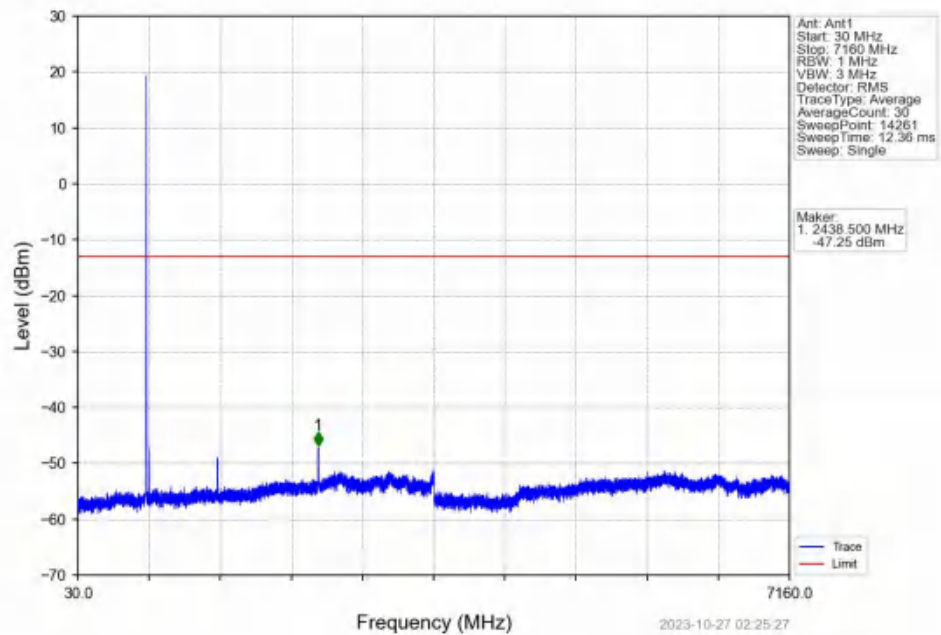
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



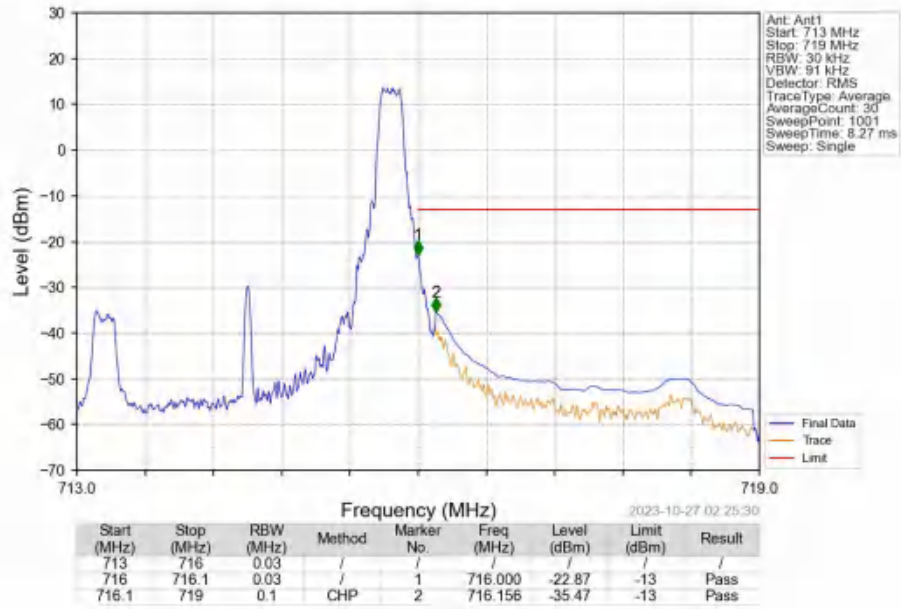
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



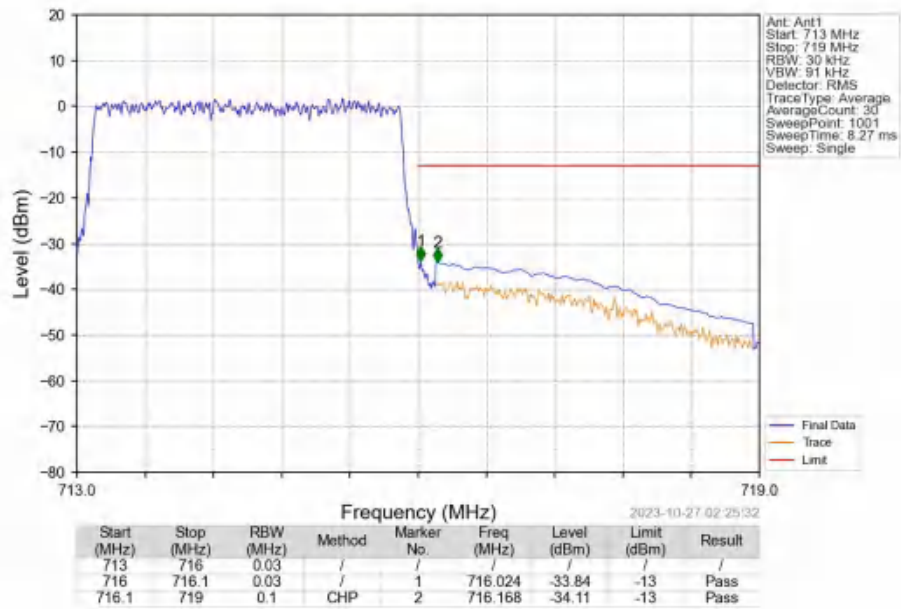
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



Band12 3MHz 16QAM HCH 714.5MHz RB 1 14 NTNV



Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV

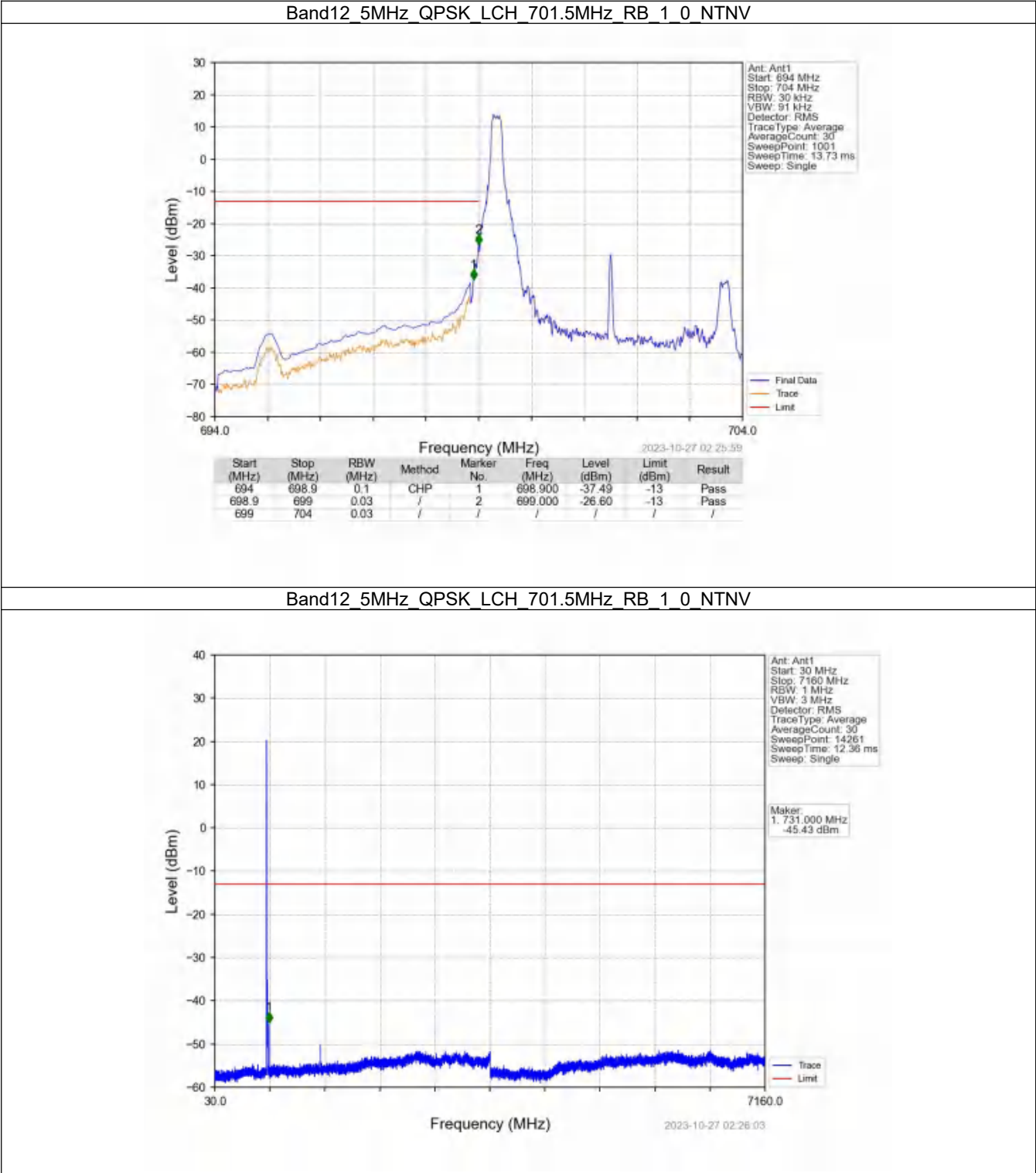


6.3 B12_5MHz

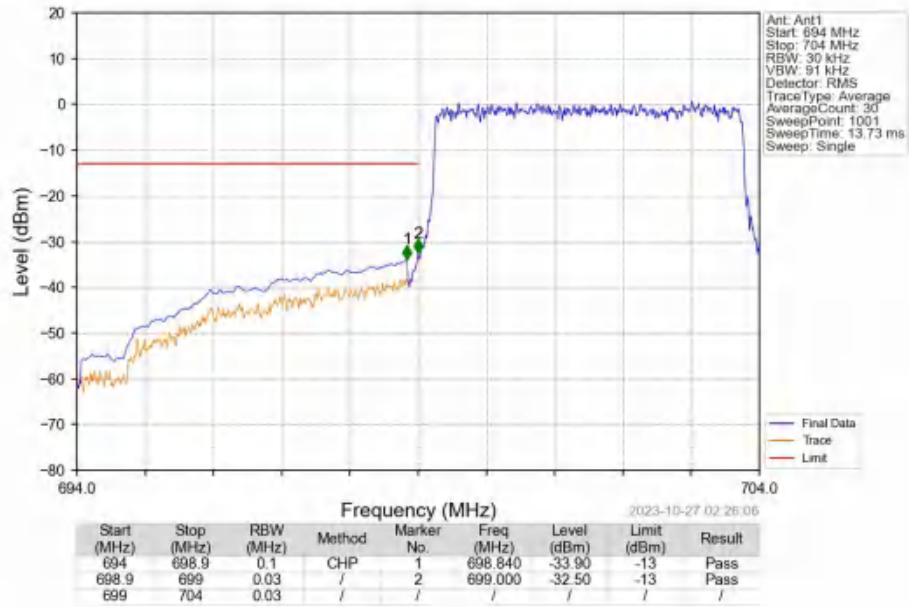
6.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

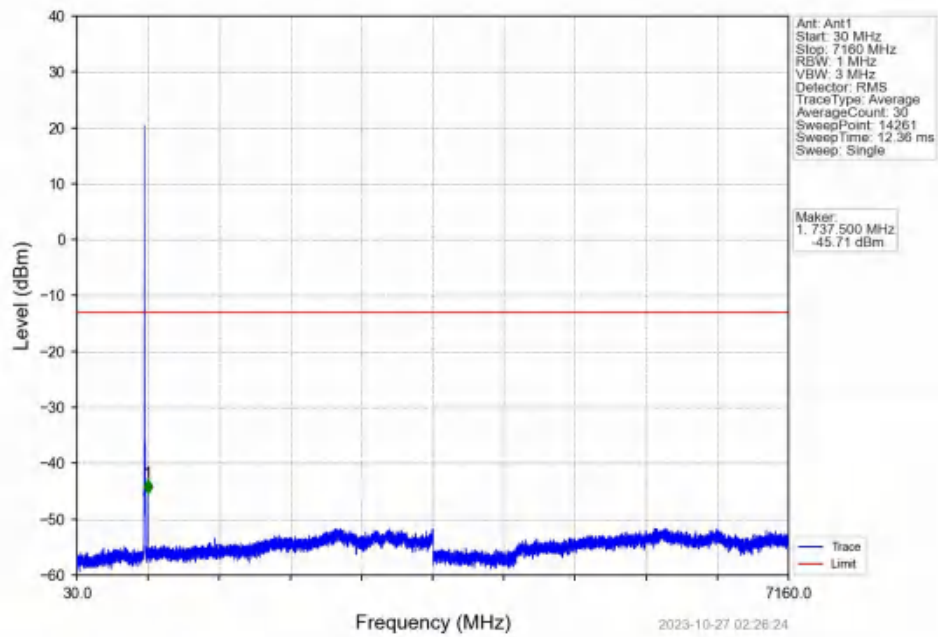
6.3.2 Test Graph



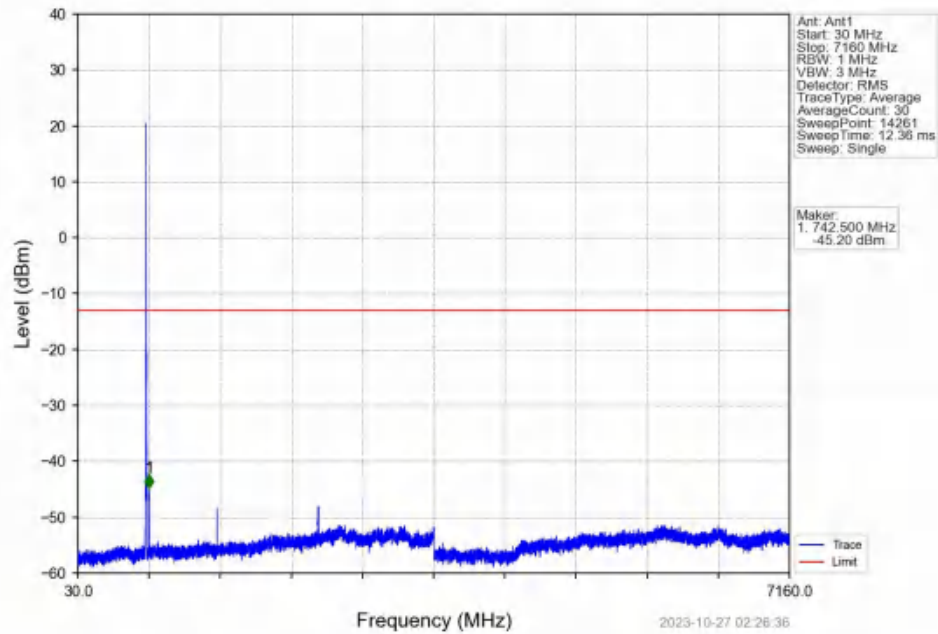
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



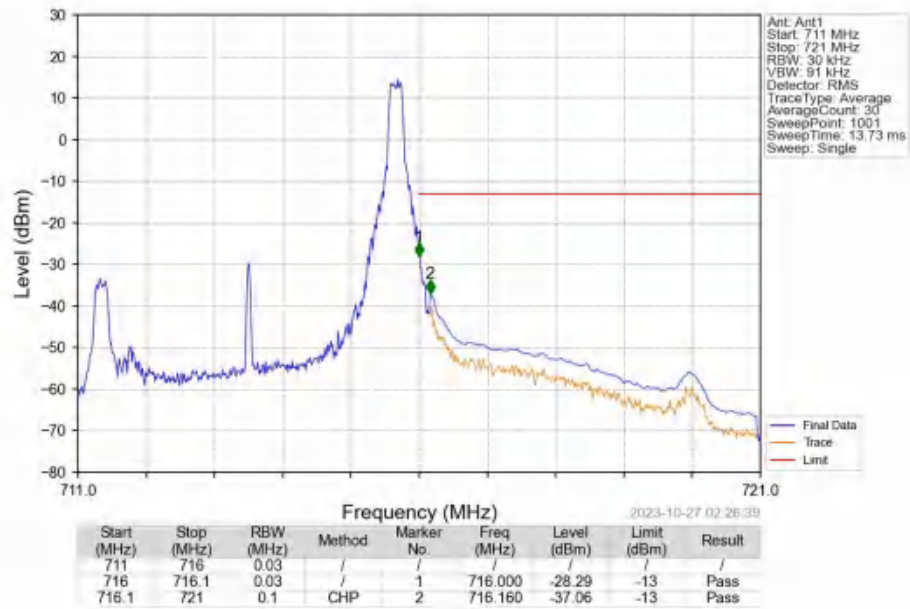
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



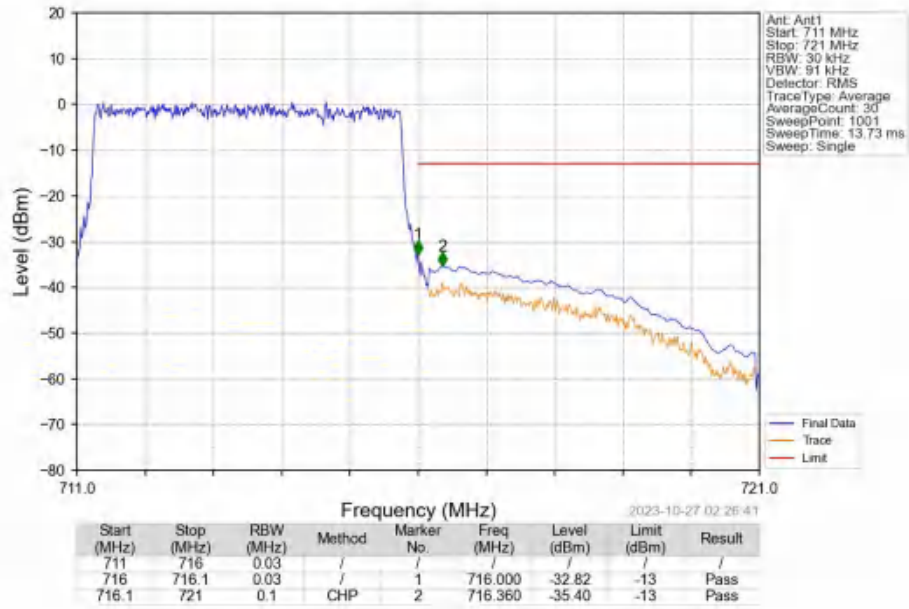
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



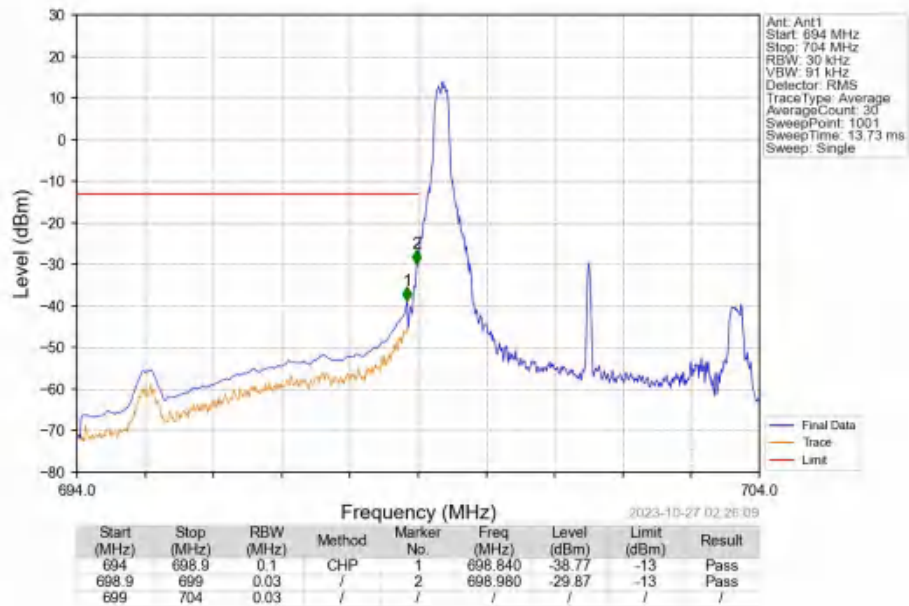
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24 NTN



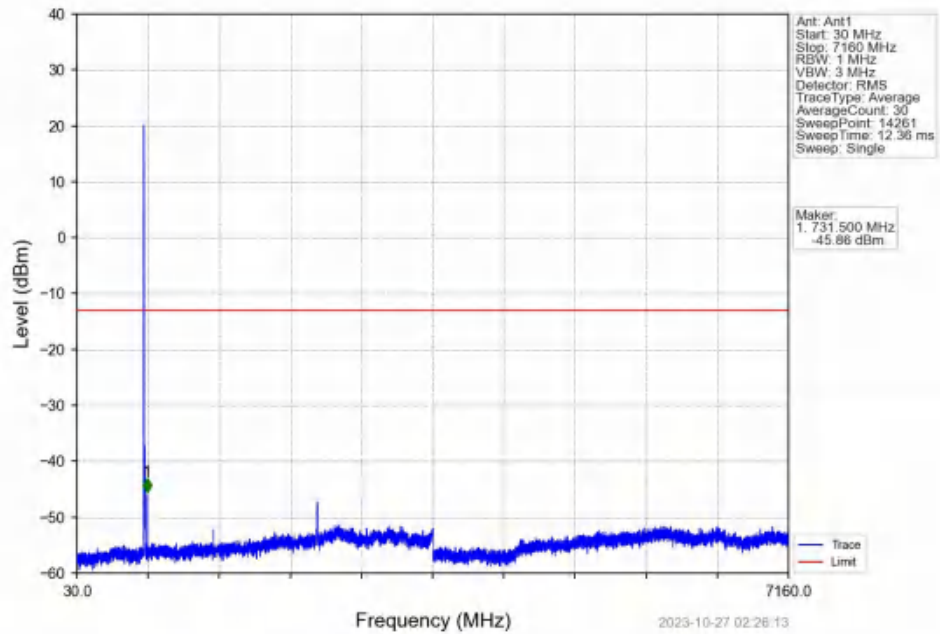
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



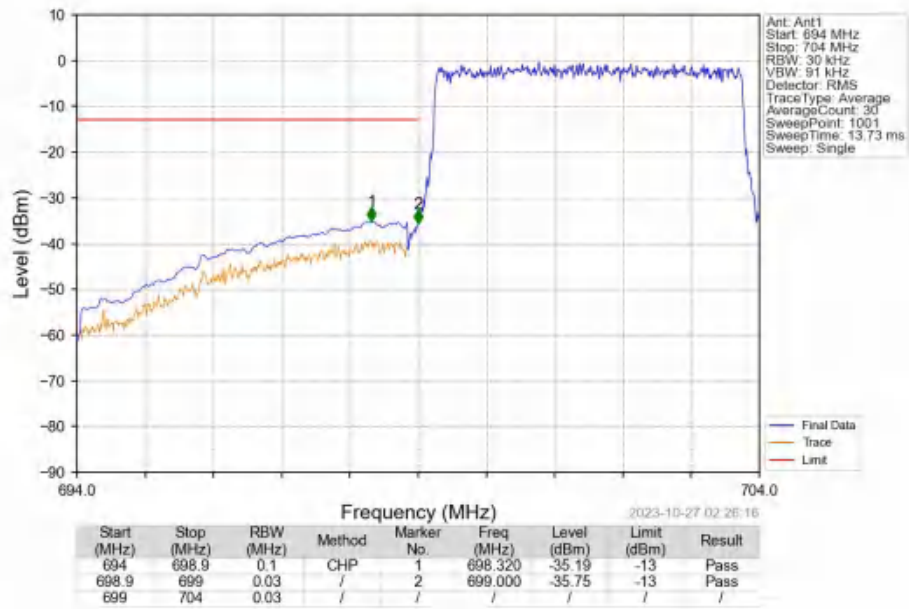
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



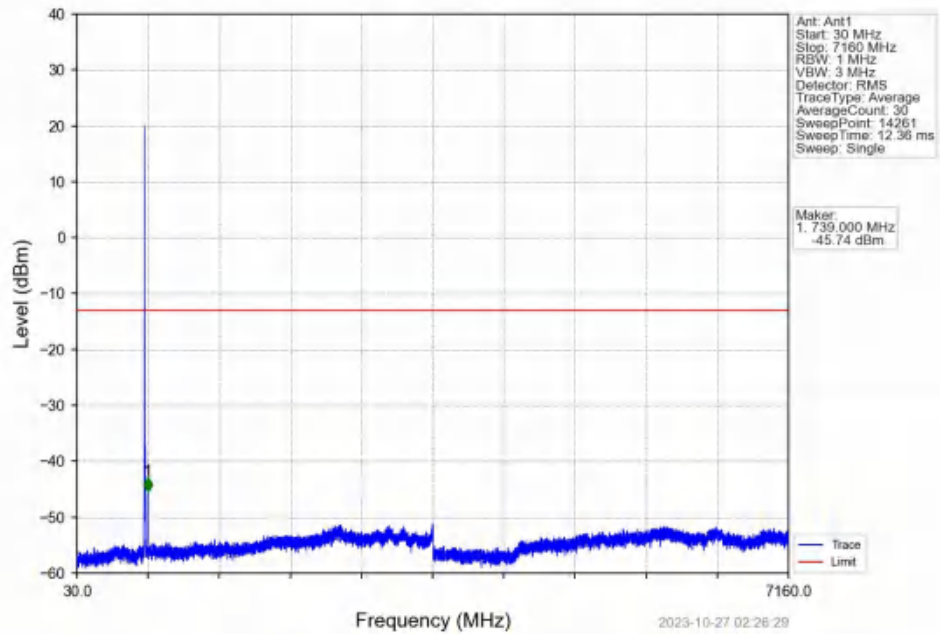
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



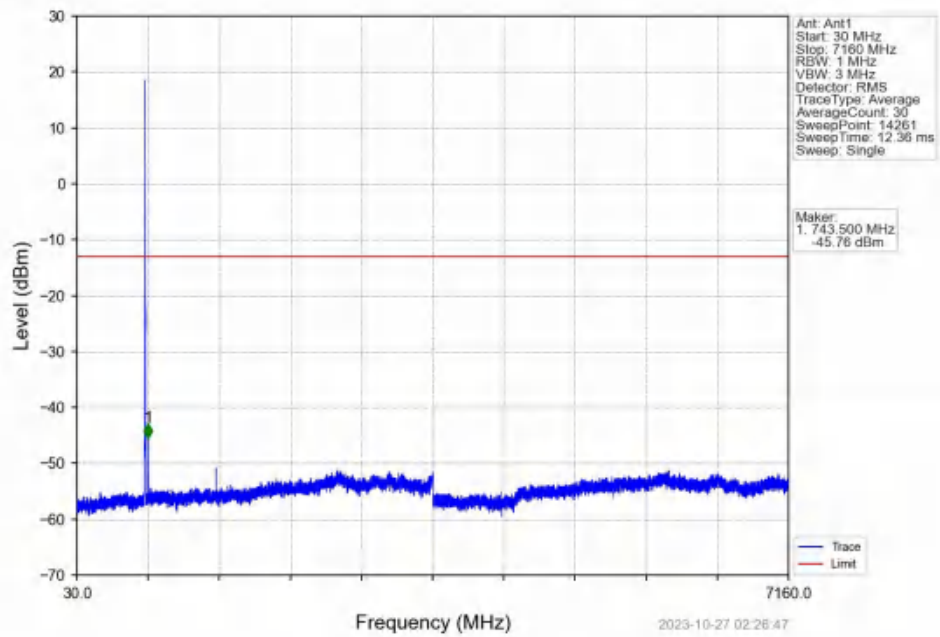
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



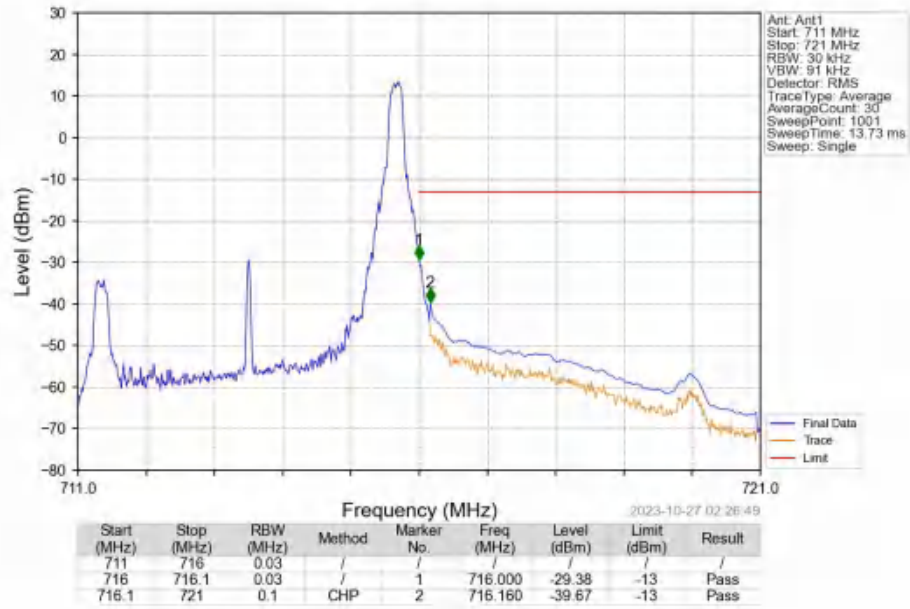
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



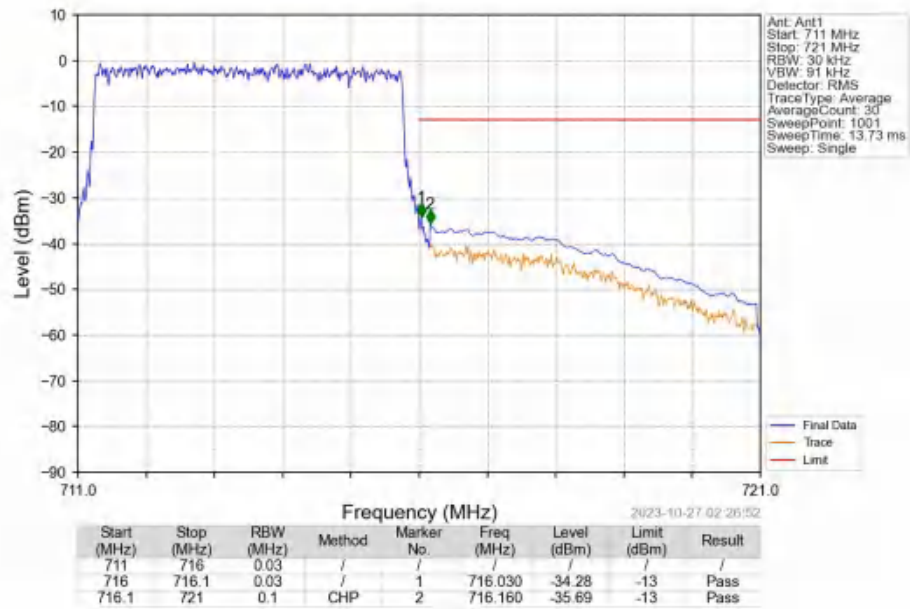
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band12 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV



Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

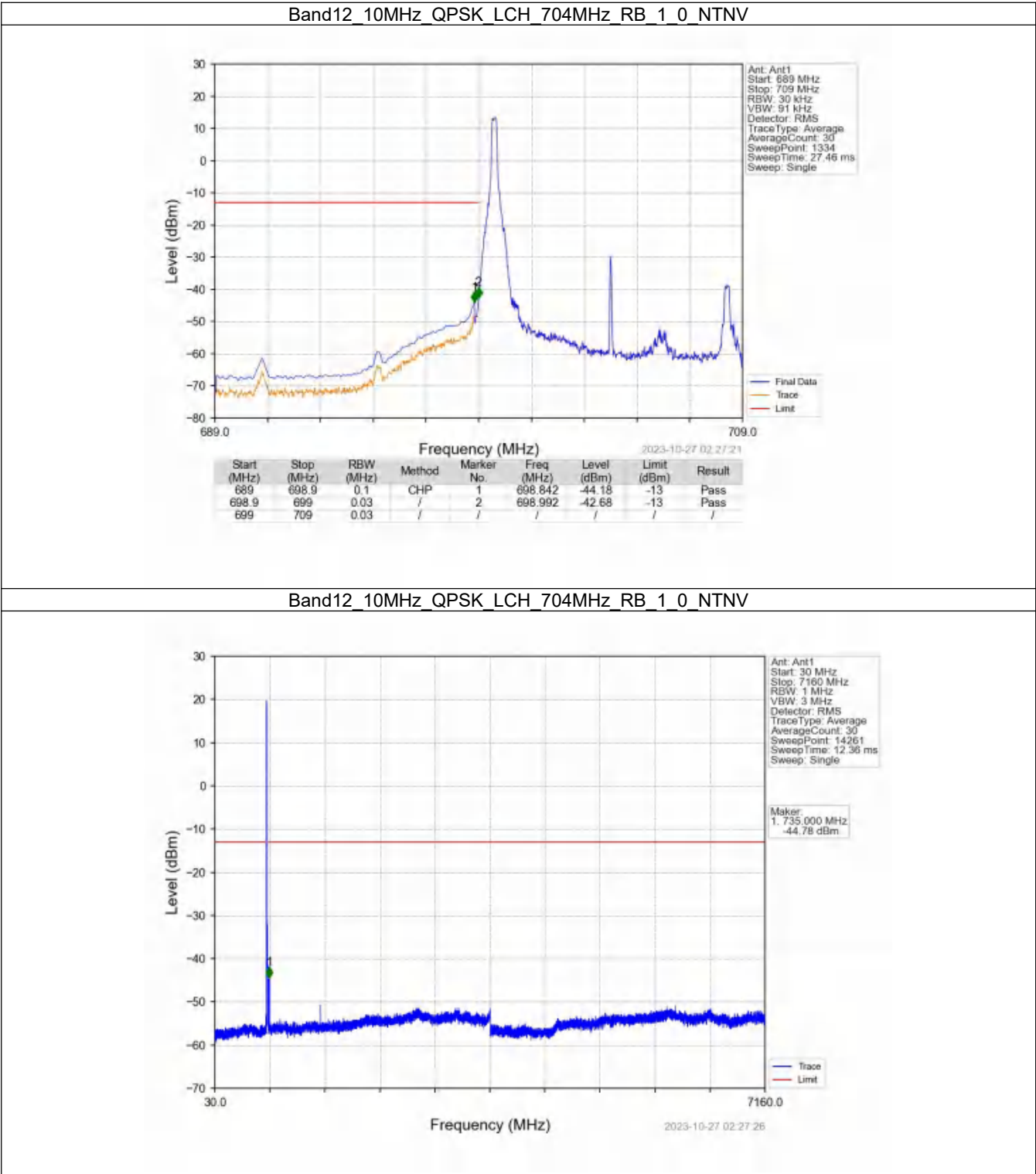


6.4 B12_10MHz

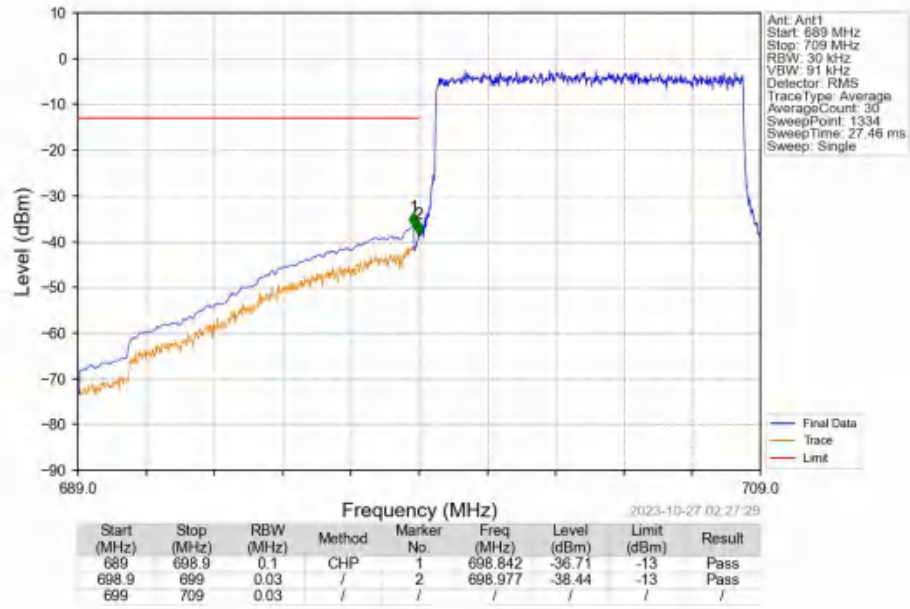
6.4.1 Test Result

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

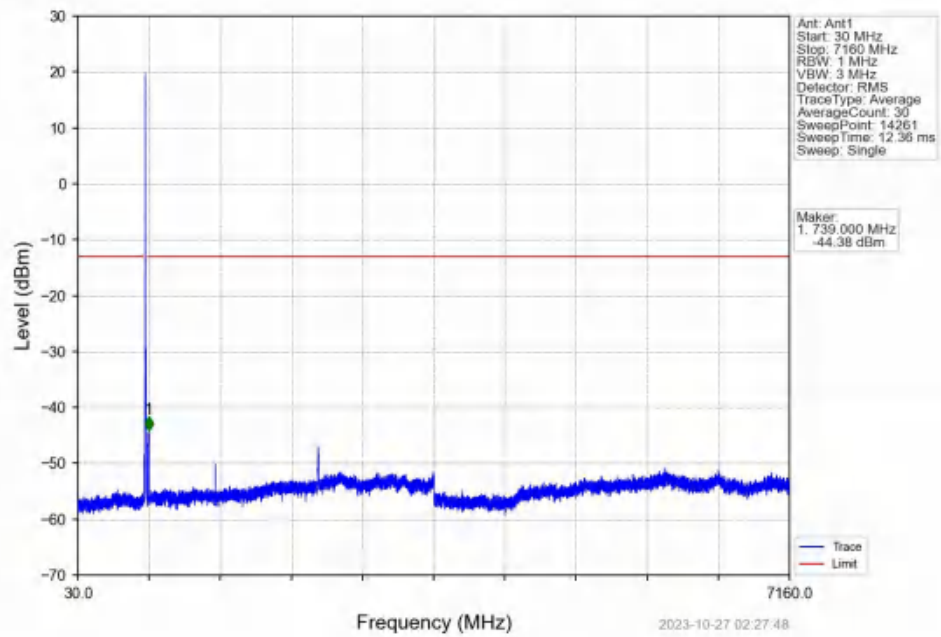
6.4.2 Test Graph



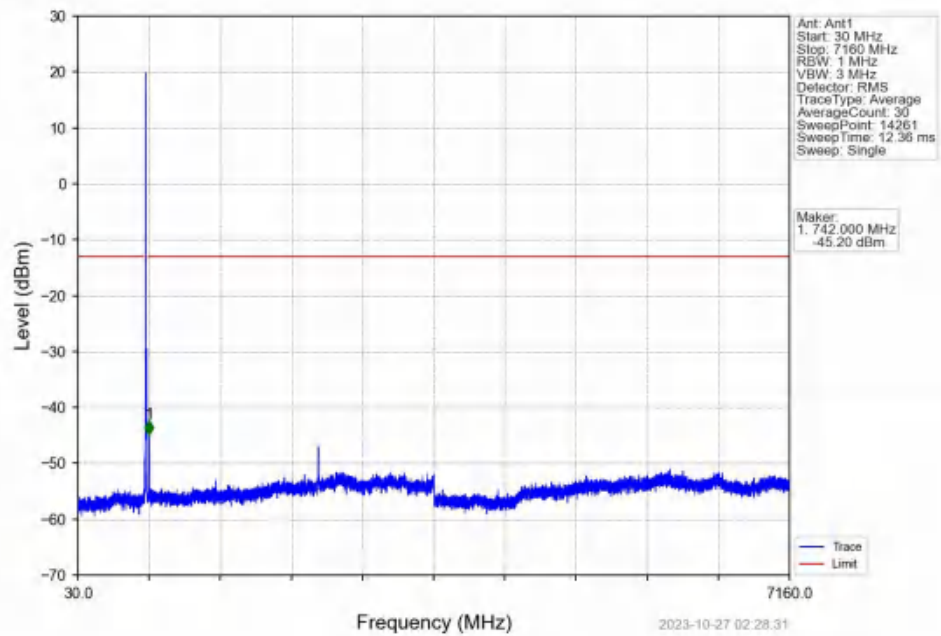
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



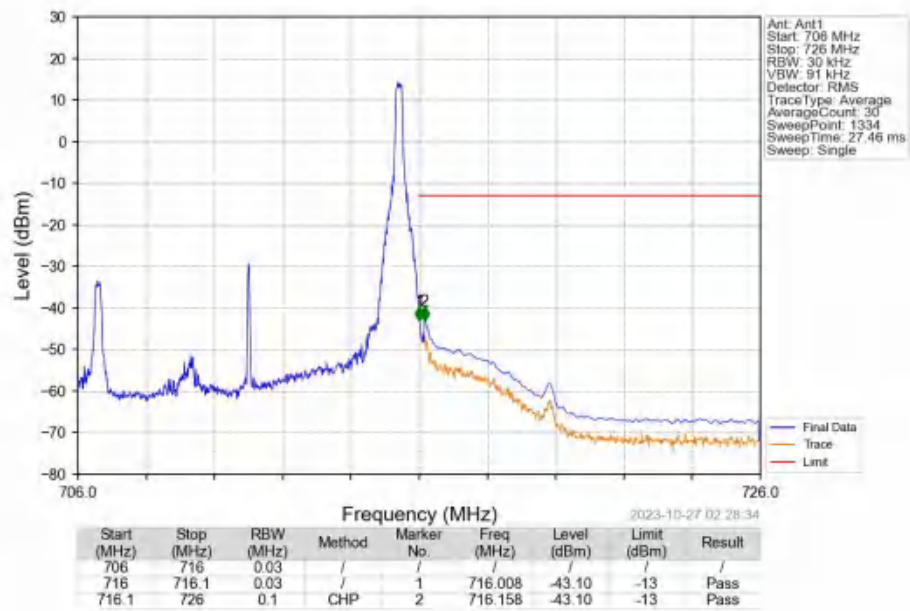
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



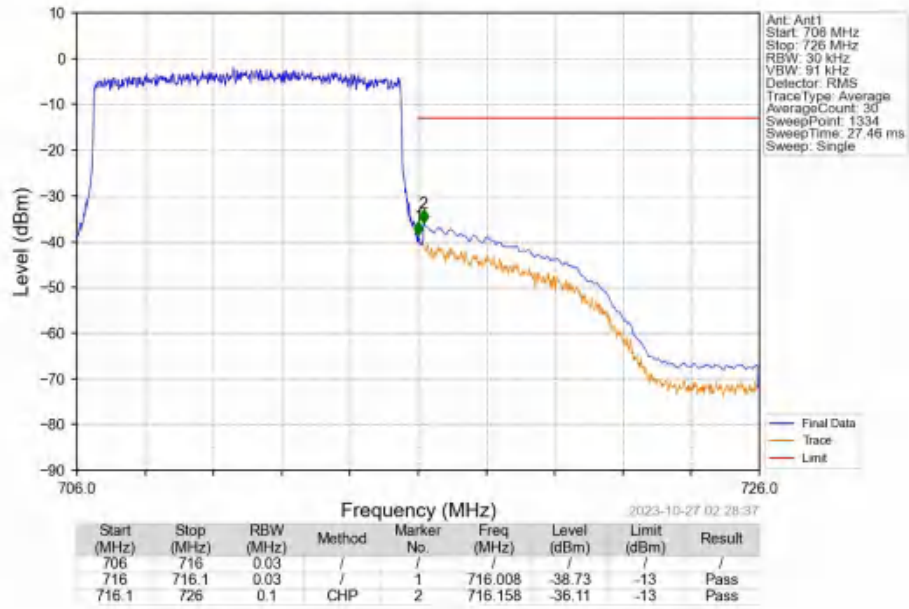
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



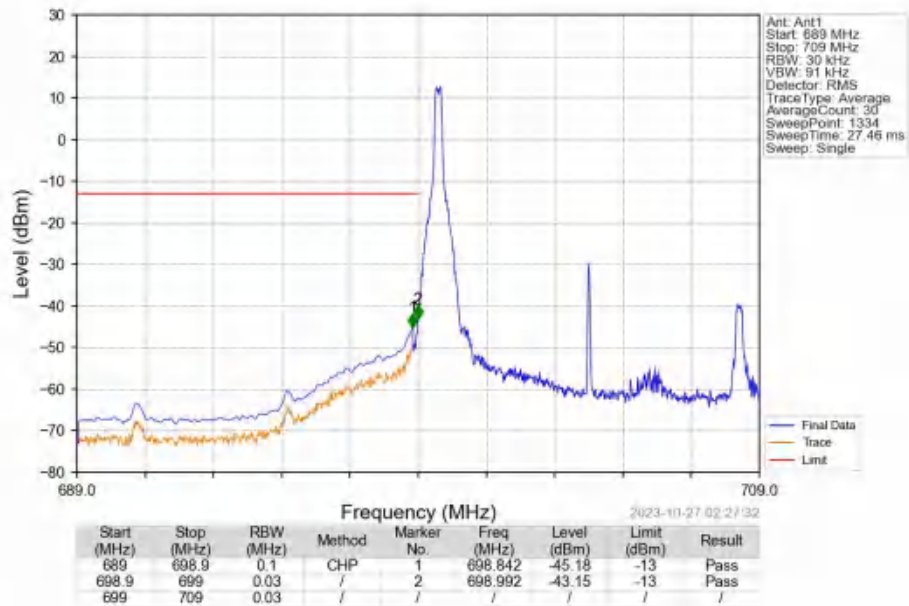
Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



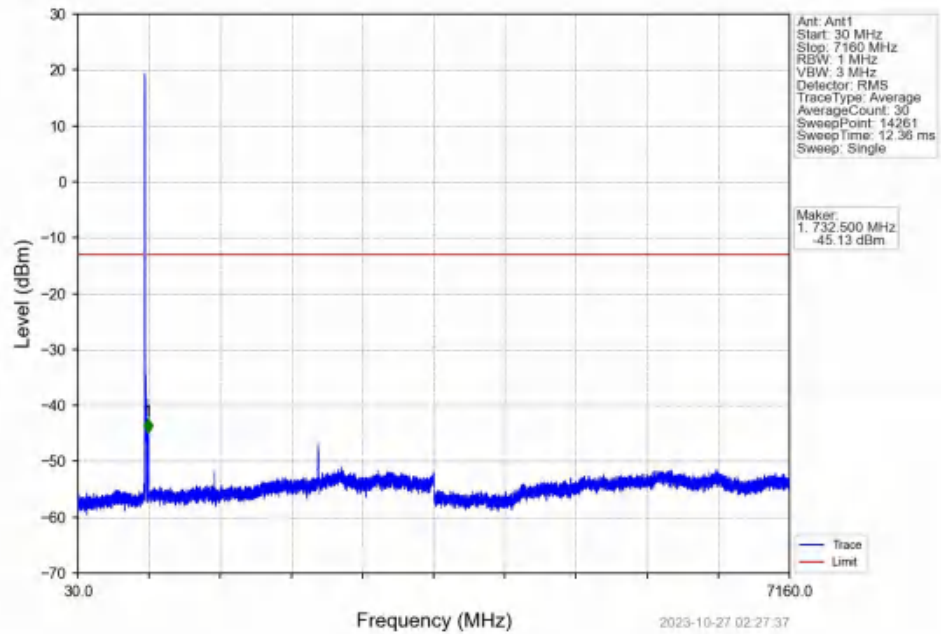
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



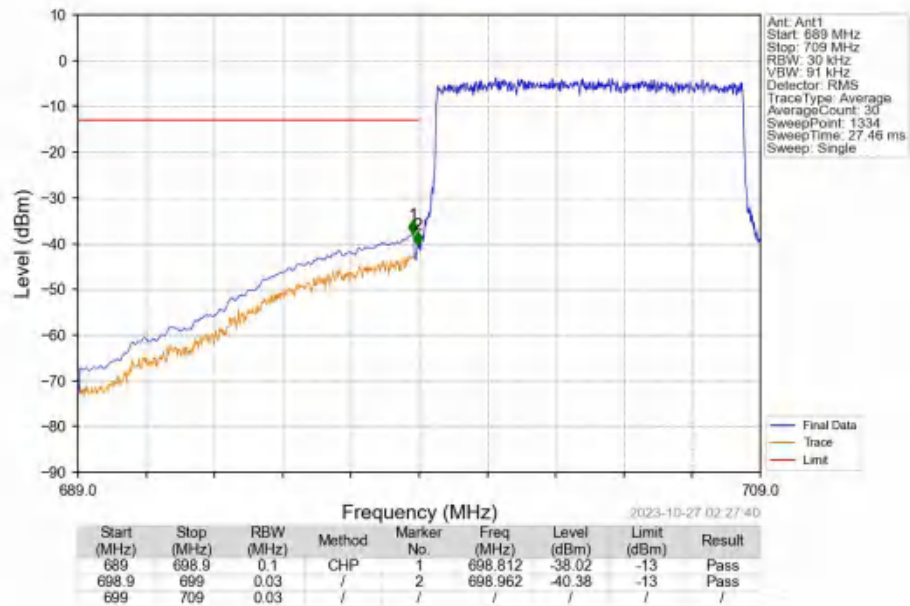
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



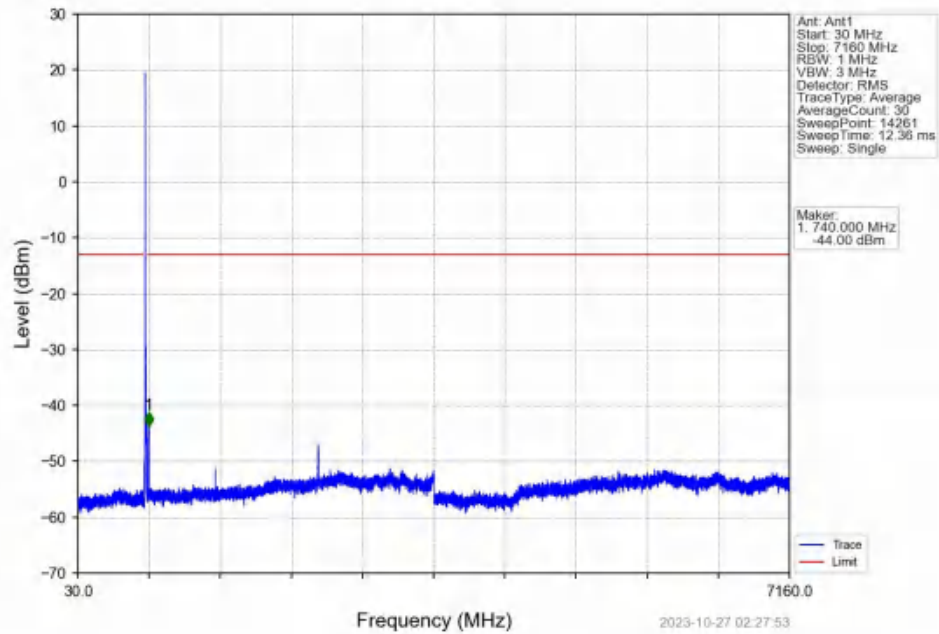
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



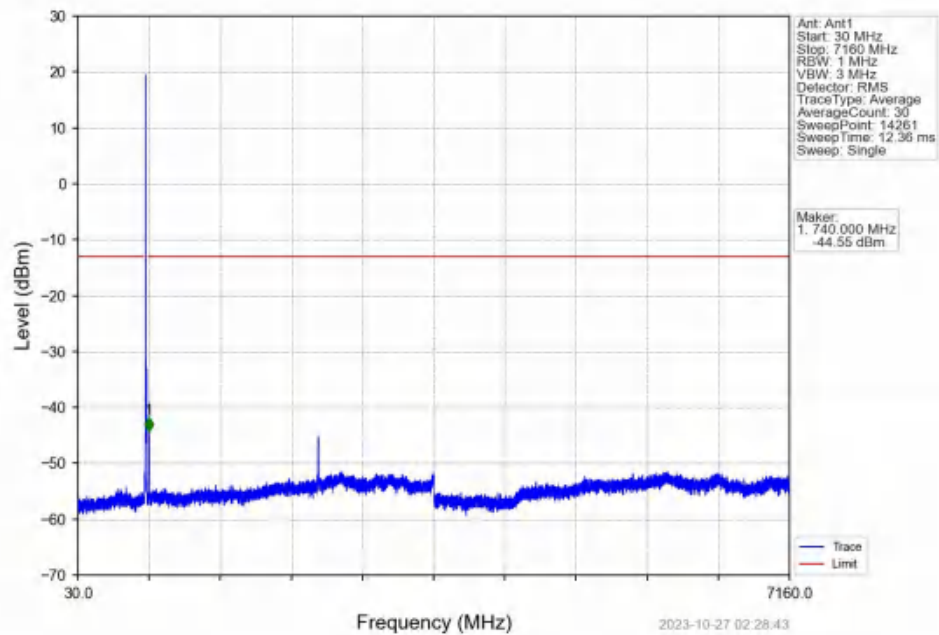
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



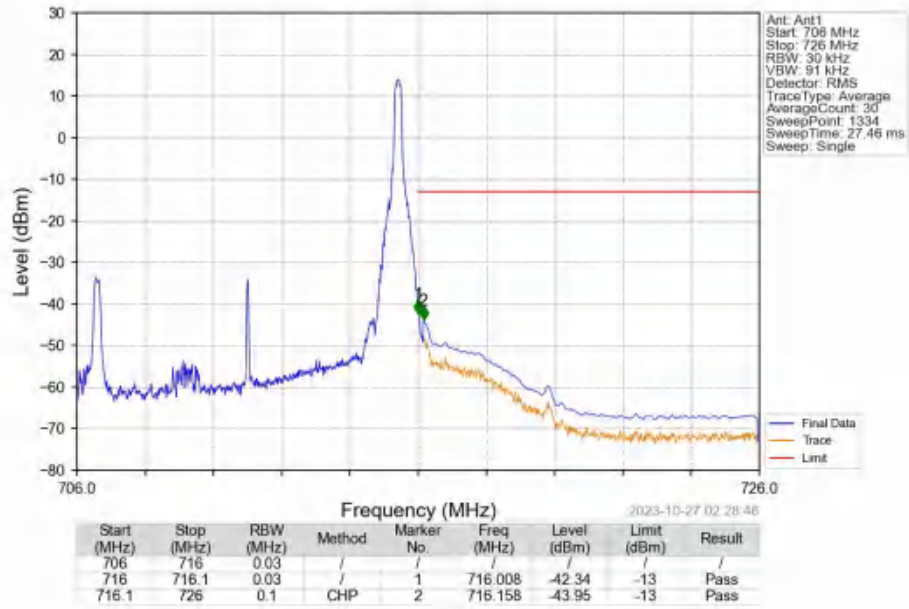
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



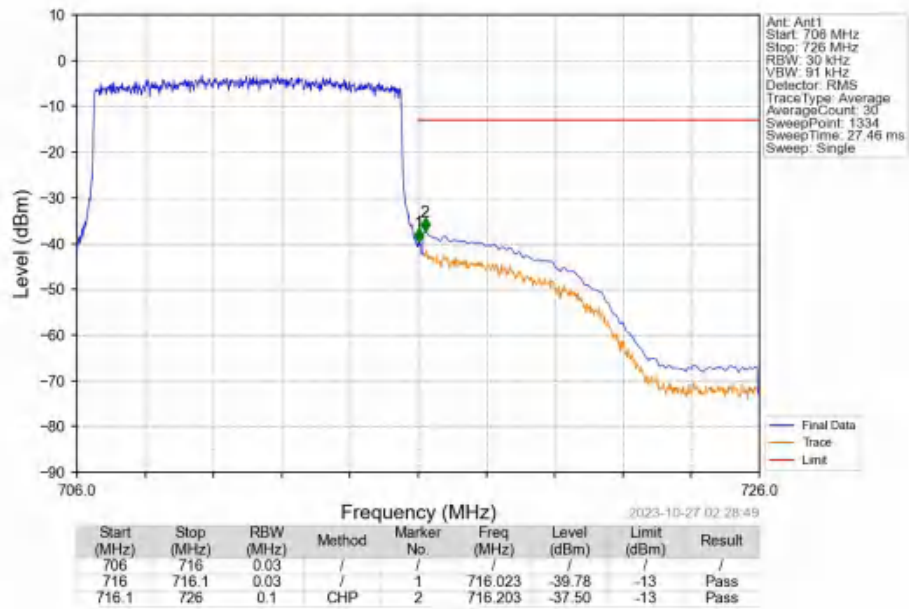
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1596	0.0030	ppm	1M12G7D	27H	22.03
12	1.4	699.7	715.3	0.1445	0.0019	ppm	1M11W7D	27H	21.60
12	3	700.5	714.5	0.1611	0.0061	ppm	2M74G7D	27H	22.07
12	3	700.5	714.5	0.1500	0.0057	ppm	2M76W7D	27H	21.76
12	5	701.5	713.5	0.1549	0.0025	ppm	4M56G7D	27H	21.90
12	5	701.5	713.5	0.1371	0.0031	ppm	4M56W7D	27H	21.37
12	10	704	711	0.1718	0.0038	ppm	9M07G7D	27H	22.35
12	10	704	711	0.1535	0.0034	ppm	9M03W7D	27H	21.86

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1306	0.0030	ppm	1M12G7D	27H	21.16
12	1.4	699.7	715.3	0.1183	0.0019	ppm	1M11W7D	27H	20.73
12	3	700.5	714.5	0.1318	0.0061	ppm	2M74G7D	27H	21.20
12	3	700.5	714.5	0.1227	0.0057	ppm	2M76W7D	27H	20.89
12	5	701.5	713.5	0.1268	0.0025	ppm	4M56G7D	27H	21.03
12	5	701.5	713.5	0.1122	0.0031	ppm	4M56W7D	27H	20.50
12	10	704	711	0.1406	0.0038	ppm	9M07G7D	27H	21.48
12	10	704	711	0.1256	0.0034	ppm	9M03W7D	27H	20.99