

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	22.69	-0.57	19.97	<=34.77	Pass
			2	22.64	-0.57	19.92	<=34.77	Pass
			5	22.66	-0.57	19.94	<=34.77	Pass
		3	0	20.71	-0.57	17.99	<=34.77	Pass
			2	19.71	-0.57	16.99	<=34.77	Pass
			3	19.70	-0.57	16.98	<=34.77	Pass
		6	0	19.74	-0.57	17.02	<=34.77	Pass
	707.5	1	0	22.74	-0.57	20.02	<=34.77	Pass
			2	22.79	-0.57	20.07	<=34.77	Pass
			5	22.81	-0.57	20.09	<=34.77	Pass
		3	0	22.72	-0.57	20.00	<=34.77	Pass
			2	22.77	-0.57	20.05	<=34.77	Pass
			3	22.76	-0.57	20.04	<=34.77	Pass
		6	0	21.67	-0.57	18.95	<=34.77	Pass
	715.3	1	0	22.69	-0.57	19.97	<=34.77	Pass
			2	22.69	-0.57	19.97	<=34.77	Pass
			5	22.72	-0.57	20.00	<=34.77	Pass
		3	0	20.70	-0.57	17.98	<=34.77	Pass
			2	19.72	-0.57	17.00	<=34.77	Pass
			3	19.72	-0.57	17.00	<=34.77	Pass
		6	0	19.68	-0.57	16.96	<=34.77	Pass
16QAM	699.7	1	0	19.71	-0.57	16.99	<=34.77	Pass
			2	19.67	-0.57	16.95	<=34.77	Pass
			5	19.71	-0.57	16.99	<=34.77	Pass
		3	0	19.88	-0.57	17.16	<=34.77	Pass
			2	19.91	-0.57	17.19	<=34.77	Pass
			3	19.90	-0.57	17.18	<=34.77	Pass
		6	0	19.70	-0.57	16.98	<=34.77	Pass
	707.5	1	0	21.70	-0.57	18.98	<=34.77	Pass
			2	21.73	-0.57	19.01	<=34.77	Pass
			5	20.83	-0.57	18.11	<=34.77	Pass
		3	0	19.76	-0.57	17.04	<=34.77	Pass
			2	19.78	-0.57	17.06	<=34.77	Pass
			3	19.80	-0.57	17.08	<=34.77	Pass
		6	0	19.61	-0.57	16.89	<=34.77	Pass
	715.3	1	0	19.66	-0.57	16.94	<=34.77	Pass
			2	19.67	-0.57	16.95	<=34.77	Pass
			5	19.75	-0.57	17.03	<=34.77	Pass
		3	0	19.73	-0.57	17.01	<=34.77	Pass
2			19.78	-0.57	17.06	<=34.77	Pass	
3			19.75	-0.57	17.03	<=34.77	Pass	
6		0	19.59	-0.57	16.87	<=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	19.77	-0.57	17.05	<=34.77	Pass	
			7	19.76	-0.57	17.04	<=34.77	Pass	
			14	19.79	-0.57	17.07	<=34.77	Pass	
		8	0	19.78	-0.57	17.06	<=34.77	Pass	
			4	19.74	-0.57	17.02	<=34.77	Pass	
			7	19.74	-0.57	17.02	<=34.77	Pass	
		15	0	19.76	-0.57	17.04	<=34.77	Pass	
		707.5	1	0	19.61	-0.57	16.89	<=34.77	Pass
				7	19.56	-0.57	16.84	<=34.77	Pass
	14			19.53	-0.57	16.81	<=34.77	Pass	
	8		0	19.70	-0.57	16.98	<=34.77	Pass	
			4	19.74	-0.57	17.02	<=34.77	Pass	
			7	19.79	-0.57	17.07	<=34.77	Pass	
	15	0	19.70	-0.57	16.98	<=34.77	Pass		
	714.5	1	0	19.14	-0.57	16.42	<=34.77	Pass	
			7	19.28	-0.57	16.56	<=34.77	Pass	
			14	19.15	-0.57	16.43	<=34.77	Pass	
		8	0	19.69	-0.57	16.97	<=34.77	Pass	
			4	19.64	-0.57	16.92	<=34.77	Pass	
			7	19.68	-0.57	16.96	<=34.77	Pass	
		15	0	19.68	-0.57	16.96	<=34.77	Pass	
16QAM		700.5	1	0	19.77	-0.57	17.05	<=34.77	Pass
				7	19.77	-0.57	17.05	<=34.77	Pass
	14			19.78	-0.57	17.06	<=34.77	Pass	
	8		0	19.85	-0.57	17.13	<=34.77	Pass	
			4	19.79	-0.57	17.07	<=34.77	Pass	
			7	19.78	-0.57	17.06	<=34.77	Pass	
	15		0	19.78	-0.57	17.06	<=34.77	Pass	
	707.5	1	0	19.30	-0.57	16.58	<=34.77	Pass	
			7	19.38	-0.57	16.66	<=34.77	Pass	
			14	19.34	-0.57	16.62	<=34.77	Pass	
		8	0	19.66	-0.57	16.94	<=34.77	Pass	
			4	19.72	-0.57	17.00	<=34.77	Pass	
			7	19.76	-0.57	17.04	<=34.77	Pass	
	15	0	19.71	-0.57	16.99	<=34.77	Pass		
	714.5	1	0	19.76	-0.57	17.04	<=34.77	Pass	
			7	19.73	-0.57	17.01	<=34.77	Pass	
			14	19.76	-0.57	17.04	<=34.77	Pass	
		8	0	19.87	-0.57	17.15	<=34.77	Pass	
			4	19.79	-0.57	17.07	<=34.77	Pass	
			7	19.82	-0.57	17.10	<=34.77	Pass	
		15	0	19.76	-0.57	17.04	<=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	19.82	-0.57	17.10	<=34.77	Pass
			13	19.83	-0.57	17.11	<=34.77	Pass
			24	19.83	-0.57	17.11	<=34.77	Pass
		12	0	19.80	-0.57	17.08	<=34.77	Pass
			6	19.78	-0.57	17.06	<=34.77	Pass
			13	19.78	-0.57	17.06	<=34.77	Pass

16QAM	707.5	25	0	19.82	-0.57	17.10	<=34.77	Pass
		1	0	19.29	-0.57	16.57	<=34.77	Pass
			13	19.29	-0.57	16.57	<=34.77	Pass
			24	19.31	-0.57	16.59	<=34.77	Pass
		12	0	19.69	-0.57	16.97	<=34.77	Pass
			6	19.73	-0.57	17.01	<=34.77	Pass
			13	19.80	-0.57	17.08	<=34.77	Pass
		25	0	19.78	-0.57	17.06	<=34.77	Pass
	713.5	1	0	19.23	-0.57	16.51	<=34.77	Pass
			13	19.21	-0.57	16.49	<=34.77	Pass
			24	19.27	-0.57	16.55	<=34.77	Pass
		12	0	19.80	-0.57	17.08	<=34.77	Pass
			6	19.73	-0.57	17.01	<=34.77	Pass
			13	19.70	-0.57	16.98	<=34.77	Pass
		25	0	19.76	-0.57	17.04	<=34.77	Pass
	701.5	1	0	19.38	-0.57	16.66	<=34.77	Pass
			13	19.41	-0.57	16.69	<=34.77	Pass
			24	19.41	-0.57	16.69	<=34.77	Pass
		12	0	19.82	-0.57	17.10	<=34.77	Pass
			6	19.80	-0.57	17.08	<=34.77	Pass
			13	19.78	-0.57	17.06	<=34.77	Pass
		25	0	19.79	-0.57	17.07	<=34.77	Pass
	707.5	1	0	19.57	-0.57	16.85	<=34.77	Pass
			13	19.58	-0.57	16.86	<=34.77	Pass
			24	19.59	-0.57	16.87	<=34.77	Pass
		12	0	19.75	-0.57	17.03	<=34.77	Pass
			6	19.77	-0.57	17.05	<=34.77	Pass
			13	19.85	-0.57	17.13	<=34.77	Pass
		25	0	19.78	-0.57	17.06	<=34.77	Pass
	713.5	1	0	19.09	-0.57	16.37	<=34.77	Pass
			13	19.06	-0.57	16.34	<=34.77	Pass
			24	19.14	-0.57	16.42	<=34.77	Pass
		12	0	19.80	-0.57	17.08	<=34.77	Pass
			6	19.73	-0.57	17.01	<=34.77	Pass
			13	19.69	-0.57	16.97	<=34.77	Pass
		25	0	19.77	-0.57	17.05	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	19.79	-0.57	17.07	<=34.77	Pass
			25	19.76	-0.57	17.04	<=34.77	Pass
			49	19.83	-0.57	17.11	<=34.77	Pass
		25	0	19.77	-0.57	17.05	<=34.77	Pass
			13	19.77	-0.57	17.05	<=34.77	Pass
			25	19.86	-0.57	17.14	<=34.77	Pass
		50	0	19.83	-0.57	17.11	<=34.77	Pass
	707.5	1	0	19.28	-0.57	16.56	<=34.77	Pass
			25	19.25	-0.57	16.53	<=34.77	Pass
			49	19.30	-0.57	16.58	<=34.77	Pass
		25	0	19.70	-0.57	16.98	<=34.77	Pass
			13	19.73	-0.57	17.01	<=34.77	Pass
			25	19.77	-0.57	17.05	<=34.77	Pass
		50	0	19.73	-0.57	17.01	<=34.77	Pass

16QAM	711	1	0	19.20	-0.57	16.48	<=34.77	Pass
			25	19.17	-0.57	16.45	<=34.77	Pass
			49	19.22	-0.57	16.50	<=34.77	Pass
		25	0	19.65	-0.57	16.93	<=34.77	Pass
			13	19.73	-0.57	17.01	<=34.77	Pass
			25	19.70	-0.57	16.98	<=34.77	Pass
		50	0	19.69	-0.57	16.97	<=34.77	Pass
			0	19.28	-0.57	16.56	<=34.77	Pass
			25	19.22	-0.57	16.50	<=34.77	Pass
	704	1	49	19.34	-0.57	16.62	<=34.77	Pass
			0	19.86	-0.57	17.14	<=34.77	Pass
			13	19.82	-0.57	17.10	<=34.77	Pass
		25	25	19.90	-0.57	17.18	<=34.77	Pass
			0	19.86	-0.57	17.14	<=34.77	Pass
			0	19.43	-0.57	16.71	<=34.77	Pass
		25	25	19.39	-0.57	16.67	<=34.77	Pass
			49	19.44	-0.57	16.72	<=34.77	Pass
			0	19.72	-0.57	17.00	<=34.77	Pass
16QAM	707.5	1	13	19.76	-0.57	17.04	<=34.77	Pass
			25	19.79	-0.57	17.07	<=34.77	Pass
			0	19.73	-0.57	17.01	<=34.77	Pass
		25	0	19.83	-0.57	17.11	<=34.77	Pass
			25	19.82	-0.57	17.10	<=34.77	Pass
			49	19.85	-0.57	17.13	<=34.77	Pass
		50	0	19.70	-0.57	16.98	<=34.77	Pass
			13	19.75	-0.57	17.03	<=34.77	Pass
			25	19.73	-0.57	17.01	<=34.77	Pass
	711	1	0	19.69	-0.57	16.97	<=34.77	Pass
			0	19.28	-0.57	16.56	<=34.77	Pass
			25	19.22	-0.57	16.50	<=34.77	Pass
		25	49	19.34	-0.57	16.62	<=34.77	Pass
			0	19.86	-0.57	17.14	<=34.77	Pass
			13	19.82	-0.57	17.10	<=34.77	Pass
		50	25	19.90	-0.57	17.18	<=34.77	Pass
			0	19.86	-0.57	17.14	<=34.77	Pass
			0	19.43	-0.57	16.71	<=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	-2.317	-0.0033	-2.5 to 2.5	Pass
					3.85	-5.708	-0.0082	-2.5 to 2.5	Pass
					4.43	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.644	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				30	3.85	5.093	0.0073	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				50	3.85	1.602	0.0023	-2.5 to 2.5	Pass
				707.5	6	0	20	3.27	-0.587
	3.85	0.014	0.0000					-2.5 to 2.5	Pass
	4.43	-2.775	-0.0039					-2.5 to 2.5	Pass
	-30	3.85	-4.706				-0.0067	-2.5 to 2.5	Pass
	-20	3.85	-2.689				-0.0038	-2.5 to 2.5	Pass
	-10	3.85	0.501				0.0007	-2.5 to 2.5	Pass

				0	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.702	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-2.174	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
				50	3.85	2.217	0.0031	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-0.987	-0.0014	-2.5 to 2.5	Pass
					3.85	-3.734	-0.0052	-2.5 to 2.5	Pass
					4.43	1.945	0.0027	-2.5 to 2.5	Pass
				-30	3.85	7.267	0.0102	-2.5 to 2.5	Pass
				-20	3.85	1.602	0.0022	-2.5 to 2.5	Pass
				-10	3.85	3.376	0.0047	-2.5 to 2.5	Pass
				0	3.85	-6.008	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-2.432	-0.0034	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0030	-2.5 to 2.5	Pass
				40	3.85	-3.133	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-6.037	-0.0084	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-2.546	-0.0036	-2.5 to 2.5	Pass
					3.85	-2.789	-0.0040	-2.5 to 2.5	Pass
					4.43	-3.448	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	0.601	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.574	0.0022	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-0.601	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.875	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0028	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-4.478	-0.0063	-2.5 to 2.5	Pass
					3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.431	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-7.768	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-2.060	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-6.537	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.275	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	1.760	0.0025	-2.5 to 2.5	Pass
					3.85	3.161	0.0044	-2.5 to 2.5	Pass
					4.43	-0.086	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.744	0.0010	-2.5 to 2.5	Pass
				-20	3.85	4.821	0.0067	-2.5 to 2.5	Pass
				-10	3.85	2.303	0.0032	-2.5 to 2.5	Pass
				0	3.85	-1.974	-0.0028	-2.5 to 2.5	Pass
				10	3.85	3.276	0.0046	-2.5 to 2.5	Pass
				30	3.85	-0.815	-0.0011	-2.5 to 2.5	Pass
				40	3.85	11.129	0.0156	-2.5 to 2.5	Pass
				50	3.85	0.587	0.0008	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-2.503	-0.0036	-2.5 to 2.5	Pass
					3.85	-10.543	-0.0151	-2.5 to 2.5	Pass

					4.43	-6.437	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.747	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-1.431	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-4.034	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-2.875	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-3.505	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-3.405	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-2.661	-0.0038	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	8.068	0.0114	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0032	-2.5 to 2.5	Pass
					4.43	3.076	0.0043	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.832	0.0040	-2.5 to 2.5	Pass
				0	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.260	0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.935	-0.0070	-2.5 to 2.5	Pass
				40	3.85	1.488	0.0021	-2.5 to 2.5	Pass
				50	3.85	-2.003	-0.0028	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-0.672	-0.0009	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	0.329	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.704	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.148	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	1.917	0.0027	-2.5 to 2.5	Pass
				0	3.85	-2.089	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-2.246	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-2.317	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.745	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-4.549	-0.0064	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	2.618	0.0037	-2.5 to 2.5	Pass
					3.85	1.345	0.0019	-2.5 to 2.5	Pass
					4.43	0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-5.894	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.373	-0.0020	-2.5 to 2.5	Pass
				0	3.85	3.290	0.0047	-2.5 to 2.5	Pass
				10	3.85	4.721	0.0067	-2.5 to 2.5	Pass
				30	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				40	3.85	-4.277	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-6.280	-0.0090	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	0.257	0.0004	-2.5 to 2.5	Pass
					3.85	-2.618	-0.0037	-2.5 to 2.5	Pass
					4.43	0.243	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.060	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	1.044	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.262	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.918	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-4.020	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	0.172	0.0002	-2.5 to 2.5	Pass
					3.85	-2.289	-0.0032	-2.5 to 2.5	Pass
					4.43	2.275	0.0032	-2.5 to 2.5	Pass
				-30	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass

				0	3.85	-2.618	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-4.148	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-4.549	-0.0064	-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	-2.832	-0.0040	-2.5 to 2.5	Pass
					3.85	-2.632	-0.0038	-2.5 to 2.5	Pass
					4.43	1.945	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	3.033	0.0043	-2.5 to 2.5	Pass
				-10	3.85	3.190	0.0045	-2.5 to 2.5	Pass
				0	3.85	-3.934	-0.0056	-2.5 to 2.5	Pass
				10	3.85	4.535	0.0065	-2.5 to 2.5	Pass
				30	3.85	-3.176	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-1.202	-0.0017	-2.5 to 2.5	Pass
					3.85	2.460	0.0035	-2.5 to 2.5	Pass
					4.43	-1.688	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.089	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	3.719	0.0053	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-3.047	-0.0043	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0022	-2.5 to 2.5	Pass
					4.43	-0.229	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0026	-2.5 to 2.5	Pass
				0	3.85	2.017	0.0028	-2.5 to 2.5	Pass
				10	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0004	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-0.043	-0.0001	-2.5 to 2.5	Pass
					3.85	0.730	0.0010	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	4.678	0.0067	-2.5 to 2.5	Pass
				-20	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.745	0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-5.665	-0.0081	-2.5 to 2.5	Pass
				50	3.85	1.645	0.0023	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	0.644	0.0009	-2.5 to 2.5	Pass
					3.85	-1.416	-0.0020	-2.5 to 2.5	Pass

					4.43	-4.478	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-2.460	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.845	0.0026	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-8.140	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-4.063	-0.0057	-2.5 to 2.5	Pass
					3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
					4.43	-3.562	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-7.925	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-6.752	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-5.836	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-4.435	-0.0062	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-1.860	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.078	-0.0072	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-1.688	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-1.087	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-0.944	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-2.475	-0.0035	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-4.063	-0.0057	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0045	-2.5 to 2.5	Pass
					4.43	-2.732	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-1.945	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.948	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-2.904	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-2.003	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-1.788	-0.0025	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-1.431	-0.0020	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0067	-2.5 to 2.5	Pass
					4.43	-0.315	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.933	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-2.403	-0.0034	-2.5 to 2.5	Pass

16QAM	704	50	0	40	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-2.131	-0.0030	-2.5 to 2.5	Pass
				20	3.27	1.731	0.0025	-2.5 to 2.5	Pass
					3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				4.43	0.100	0.0001	-2.5 to 2.5	Pass	
					3.85	1.302	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	2.332	0.0033	-2.5 to 2.5	Pass
				-10	3.85	-2.861	-0.0041	-2.5 to 2.5	Pass
				0	3.85	0.730	0.0010	-2.5 to 2.5	Pass
	707.5	50	0	10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-3.548	-0.0050	-2.5 to 2.5	Pass
				50	3.85	3.27	-1.988	-0.0028	Pass
				20	3.85	2.861	0.0040	-2.5 to 2.5	Pass
					4.43	-4.678	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-2.232	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-6.595	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
	711	50	0	10	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.146	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				20	3.27	-1.330	-0.0019	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0031	-2.5 to 2.5	Pass
				4.43	0.429	0.0006	-2.5 to 2.5	Pass	
					3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.190	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.017	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-3.648	-0.0051	-2.5 to 2.5	Pass
				50	3.85				

3. Modulation Characteristics

3.1 Test Result

3.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
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 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		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

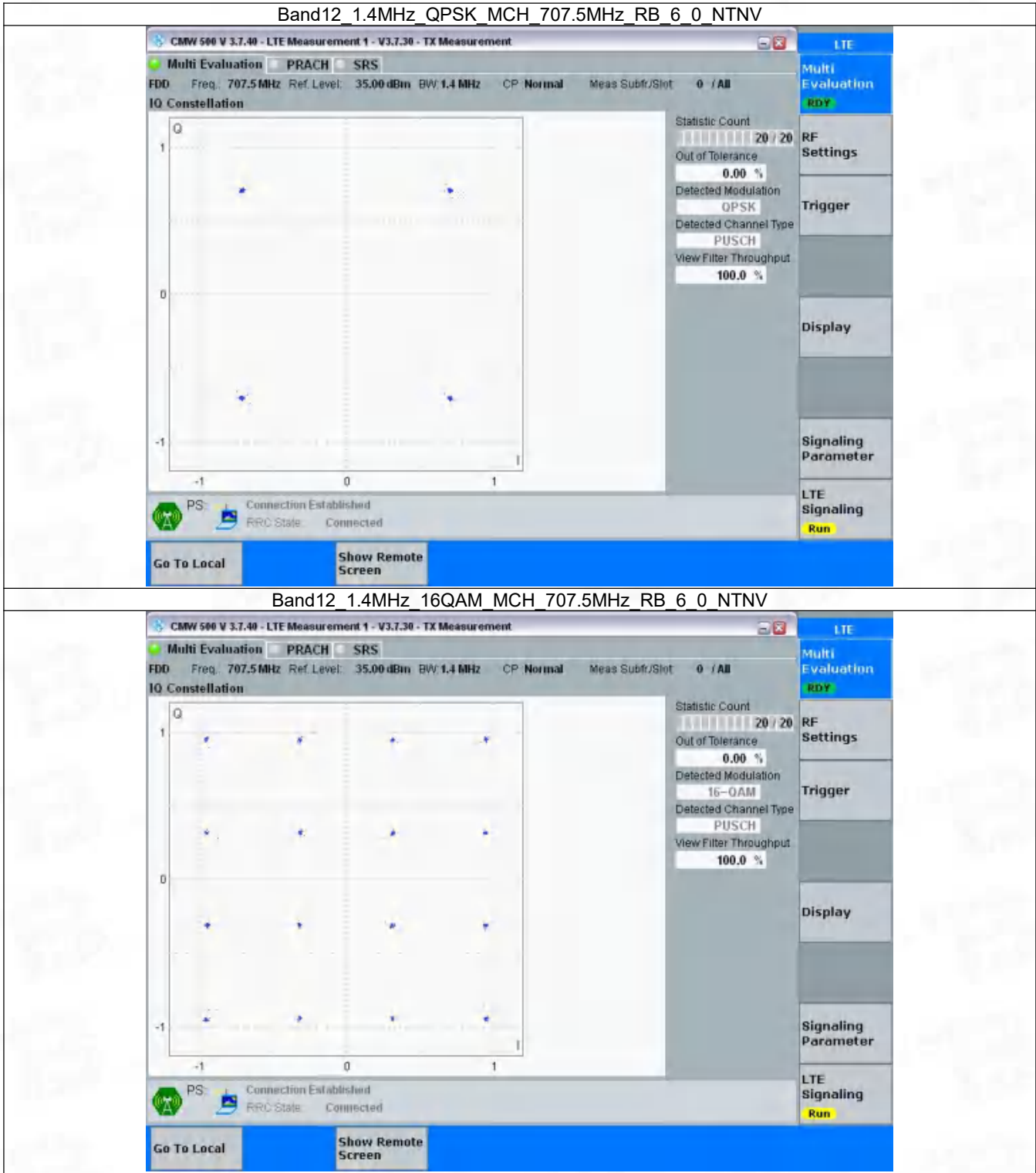
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

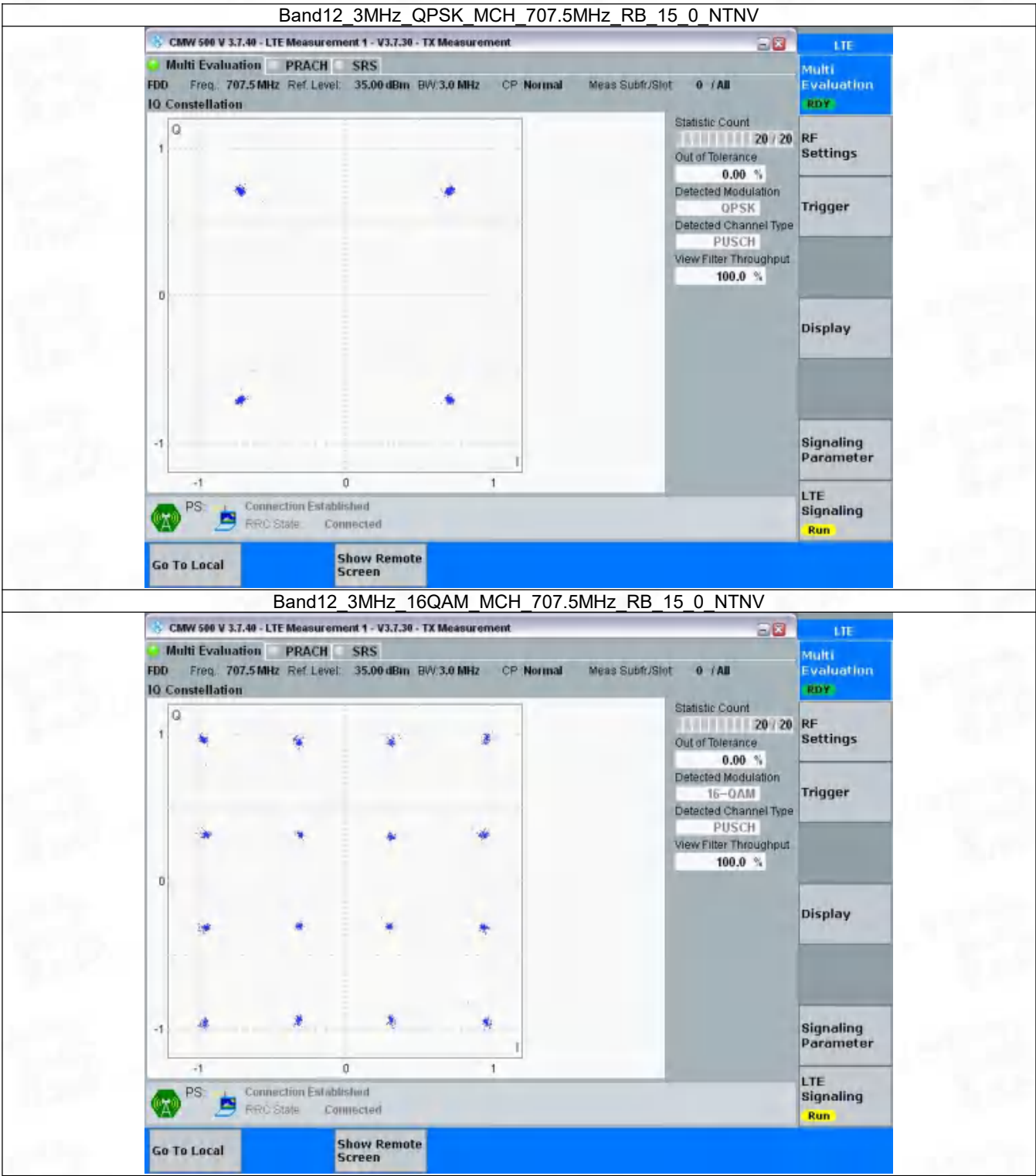
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

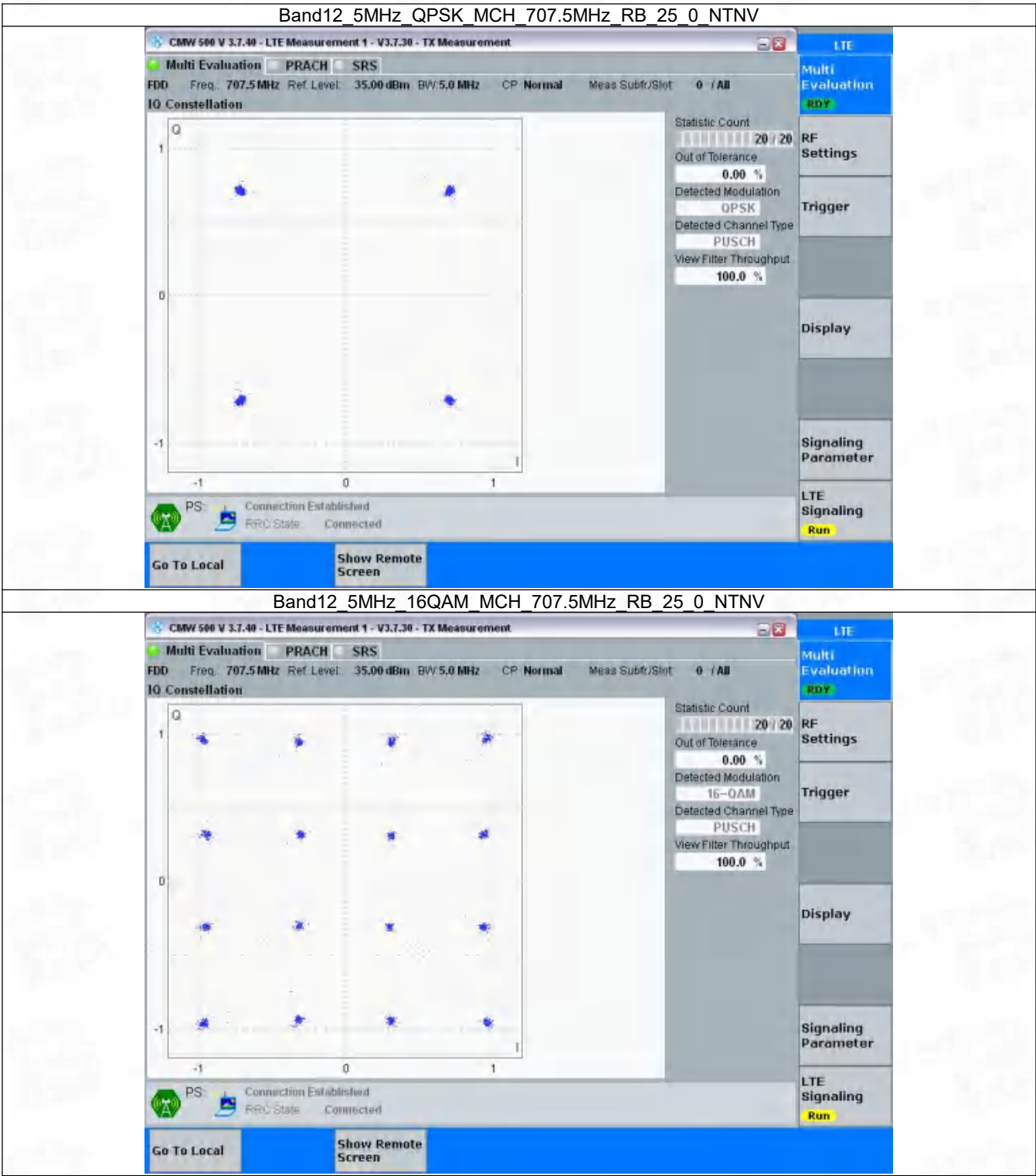
3.2.1 B12_1.4MHz



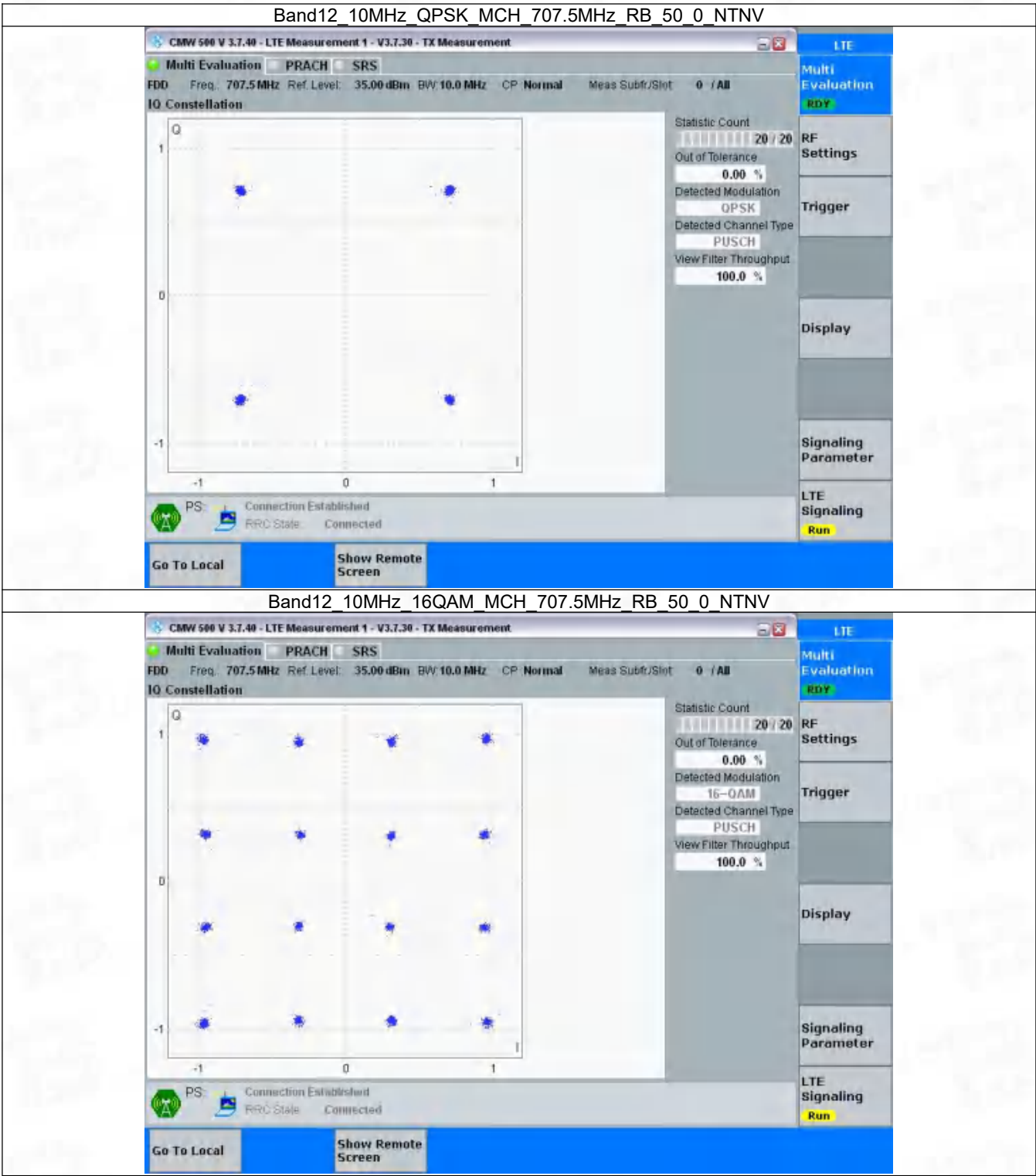
3.2.2 B12_3MHz



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	1.119	/	Pass
		707.5	6	0	1.116	/	Pass
		715.3	6	0	1.102	/	Pass
	16QAM	699.7	6	0	1.114	/	Pass
		707.5	6	0	1.106	/	Pass
		715.3	6	0	1.110	/	Pass
3	QPSK	700.5	15	0	2.737	/	Pass
		707.5	15	0	2.736	/	Pass
		714.5	15	0	2.734	/	Pass
	16QAM	700.5	15	0	2.724	/	Pass
		707.5	15	0	2.725	/	Pass
		714.5	15	0	2.746	/	Pass
5	QPSK	701.5	25	0	4.556	/	Pass
		707.5	25	0	4.535	/	Pass
		713.5	25	0	4.552	/	Pass
	16QAM	701.5	25	0	4.565	/	Pass
		707.5	25	0	4.547	/	Pass
		713.5	25	0	4.530	/	Pass
10	QPSK	704	50	0	9.132	/	Pass
		707.5	50	0	9.011	/	Pass
		711	50	0	9.019	/	Pass
	16QAM	704	50	0	9.095	/	Pass
		707.5	50	0	9.011	/	Pass
		711	50	0	9.001	/	Pass

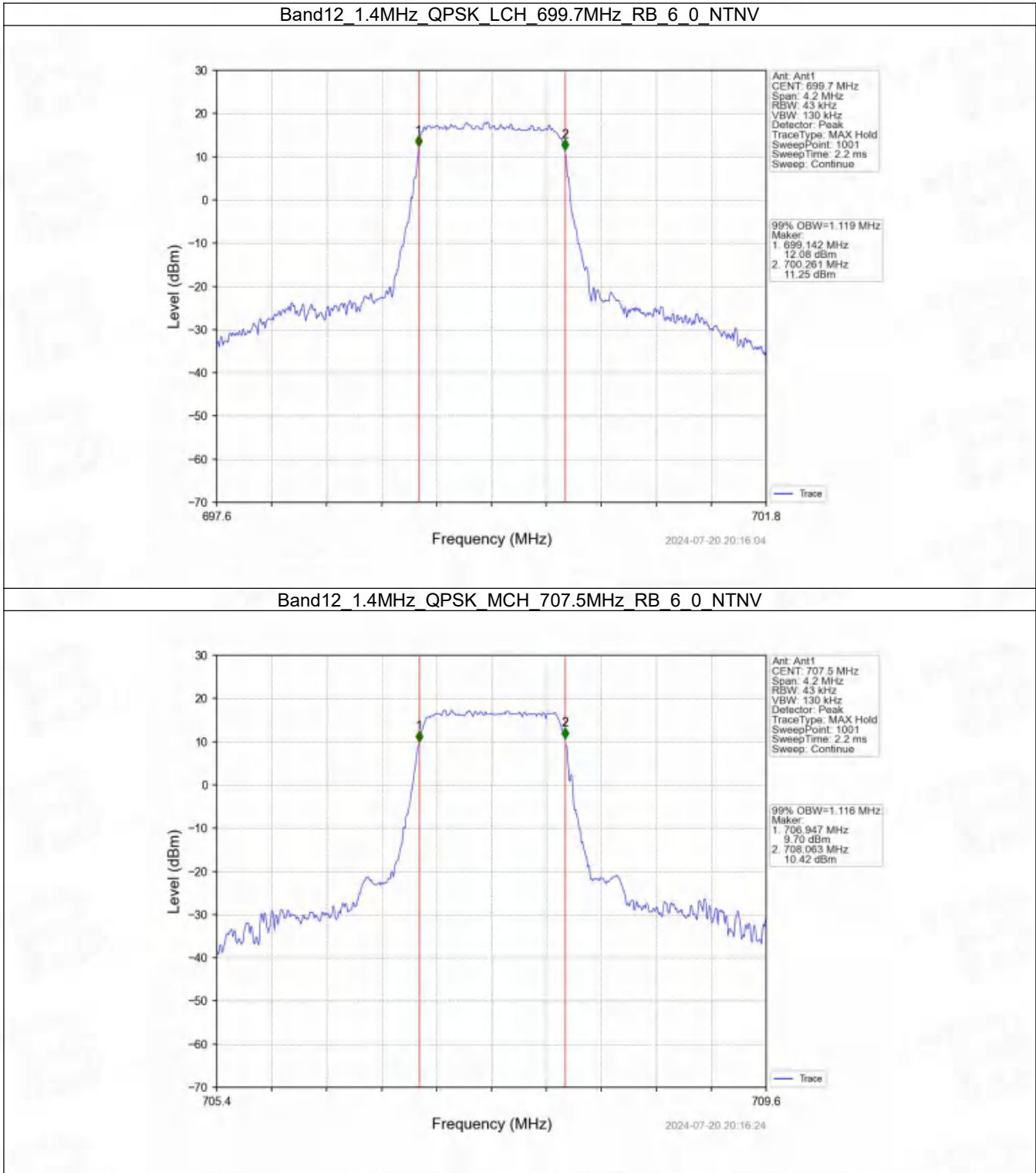
4.1.2 Band12_XDB

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	1.317	/	Pass
		707.5	6	0	1.322	/	Pass
		715.3	6	0	1.314	/	Pass
	16QAM	699.7	6	0	1.322	/	Pass
		707.5	6	0	1.295	/	Pass
		715.3	6	0	1.309	/	Pass
3	QPSK	700.5	15	0	3.022	/	Pass
		707.5	15	0	3.027	/	Pass
		714.5	15	0	3.036	/	Pass
	16QAM	700.5	15	0	3.022	/	Pass
		707.5	15	0	3.041	/	Pass
		714.5	15	0	3.055	/	Pass
5	QPSK	701.5	25	0	5.052	/	Pass
		707.5	25	0	5.018	/	Pass
		713.5	25	0	5.015	/	Pass

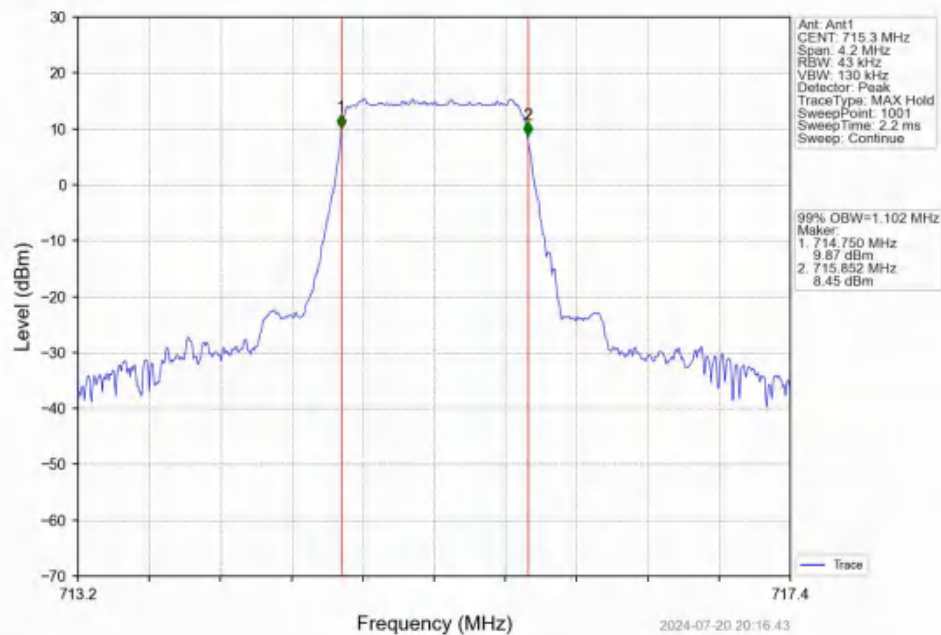
10	16QAM	701.5	25	0	5.106	/	Pass
		707.5	25	0	5.049	/	Pass
		713.5	25	0	5.020	/	Pass
	QPSK	704	50	0	10.855	/	Pass
		707.5	50	0	9.940	/	Pass
		711	50	0	9.897	/	Pass
	16QAM	704	50	0	9.995	/	Pass
		707.5	50	0	9.907	/	Pass
		711	50	0	9.901	/	Pass

4.2 Test Graph

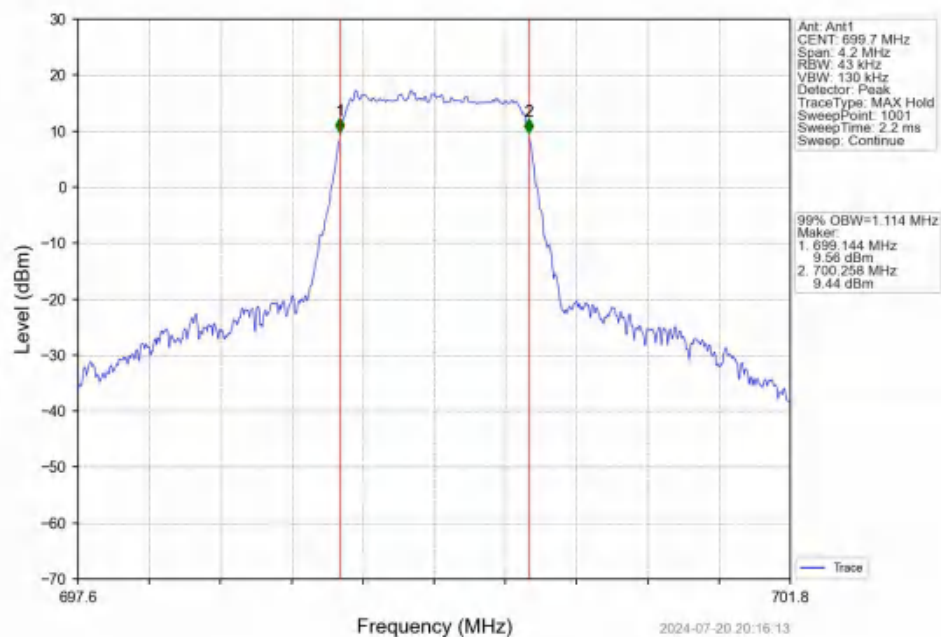
4.2.1 Band12_OBW



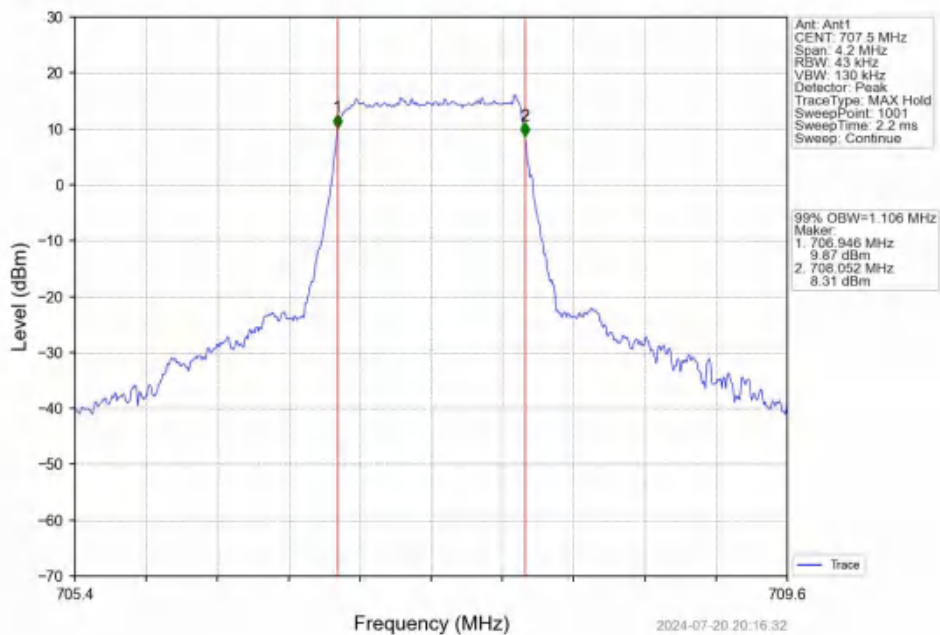
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



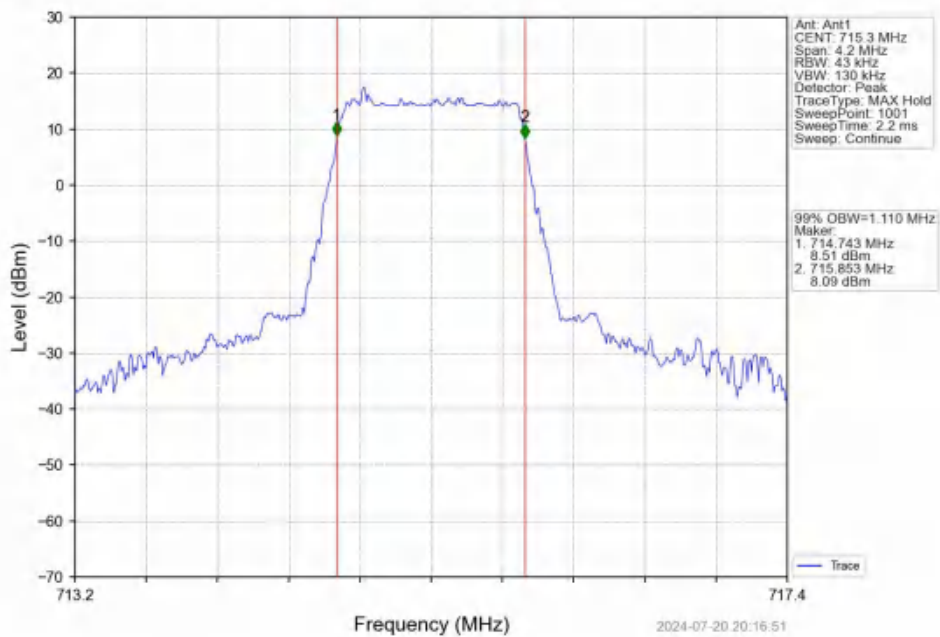
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



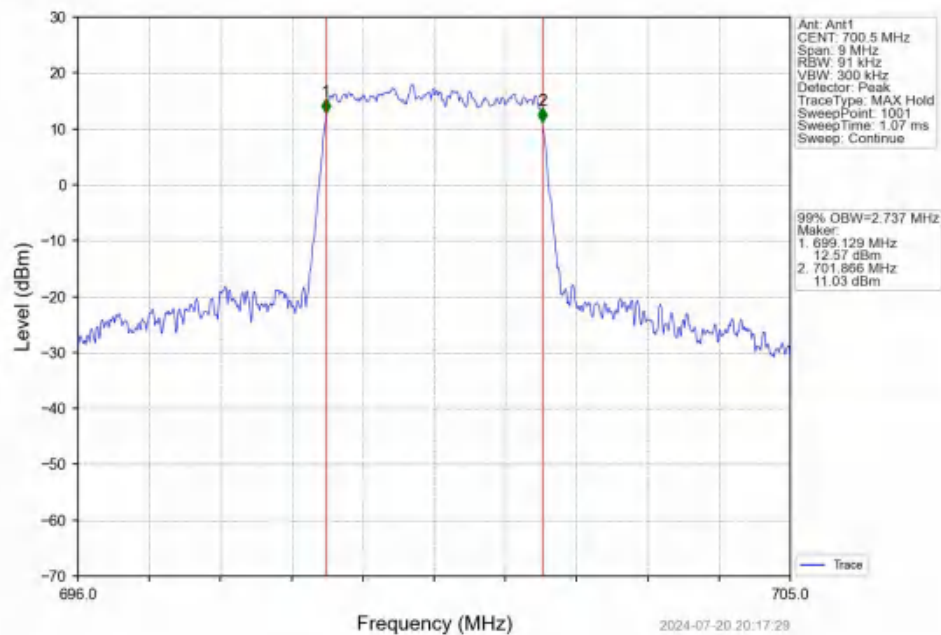
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



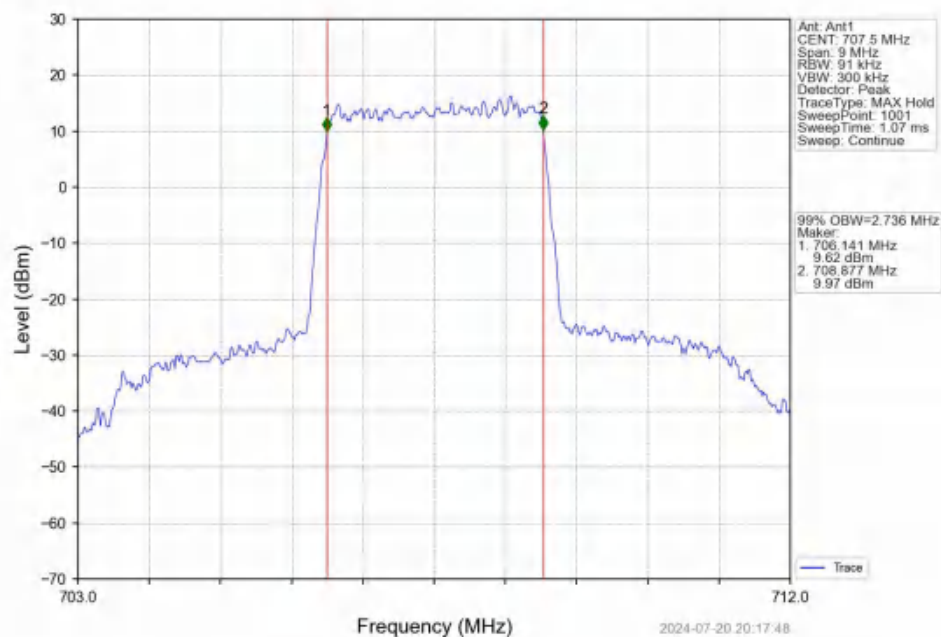
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



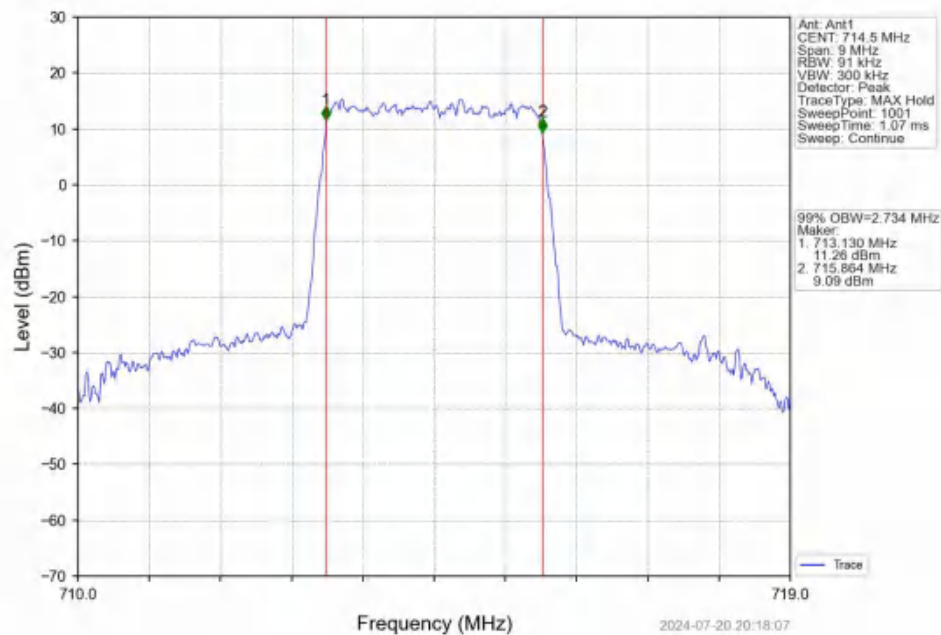
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



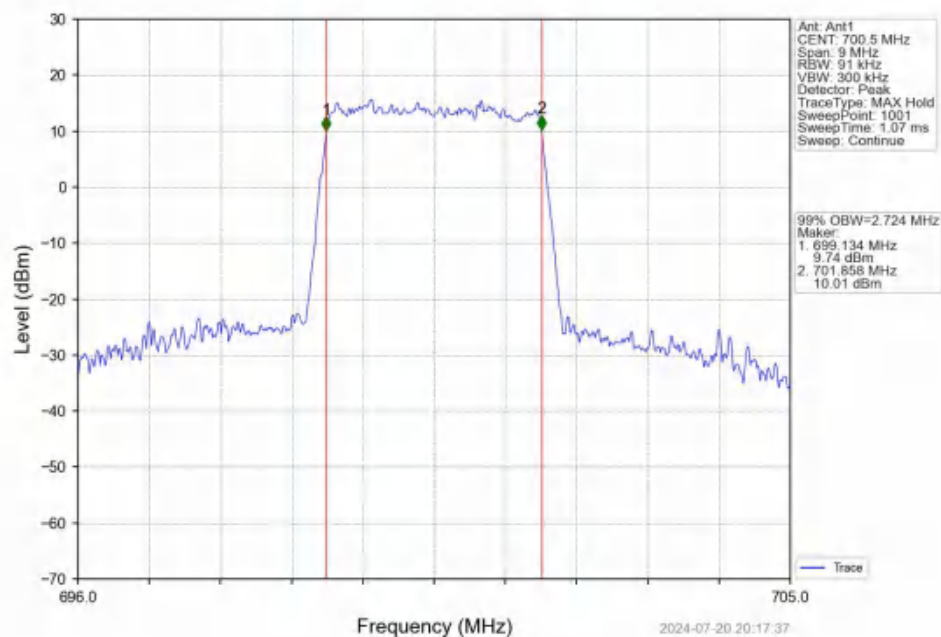
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



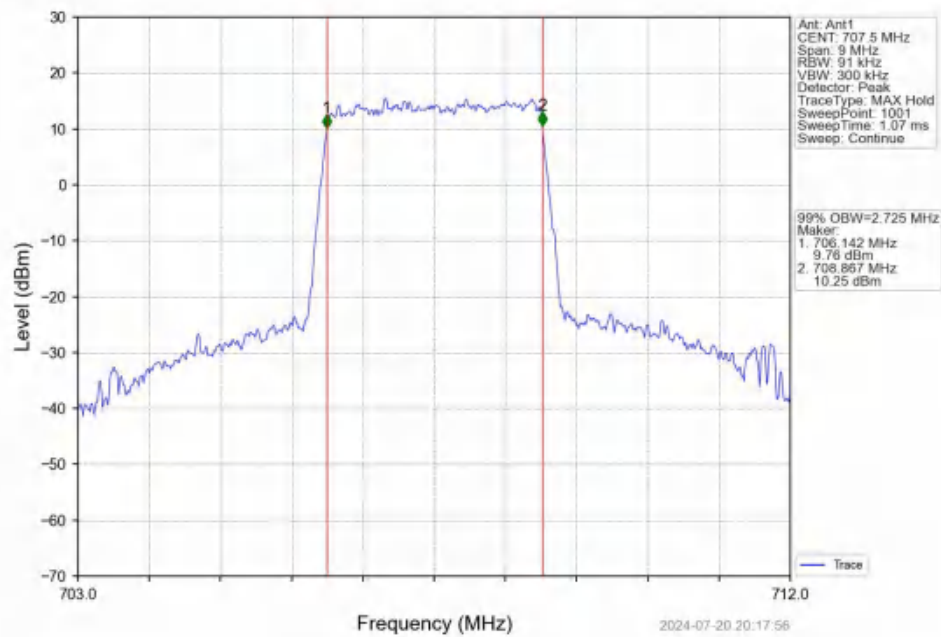
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



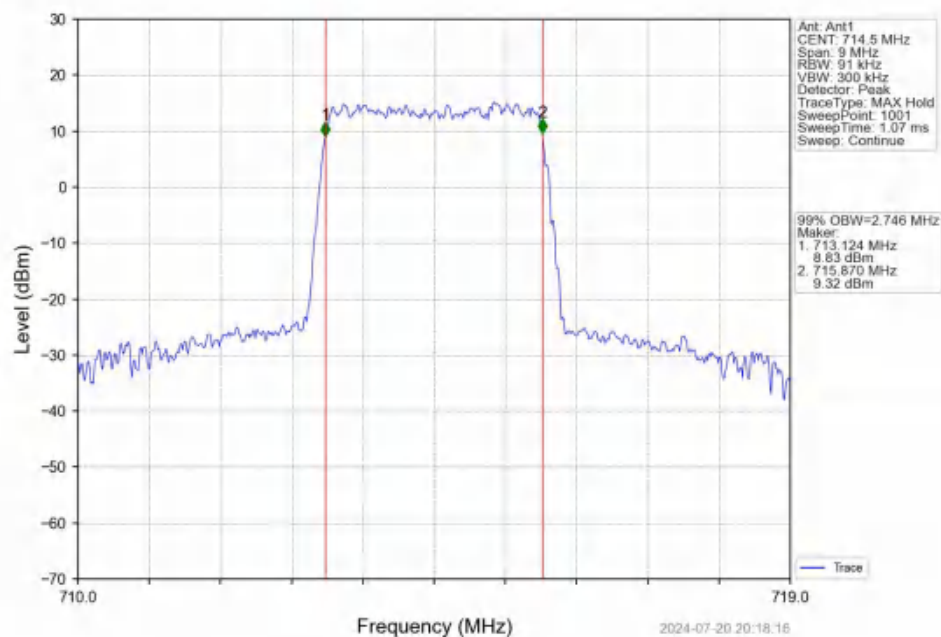
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



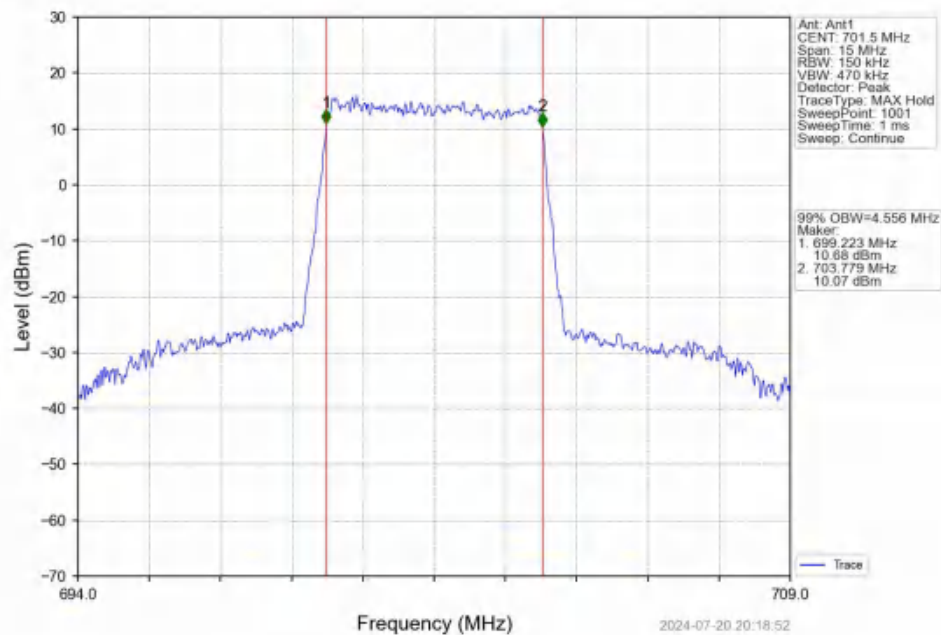
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



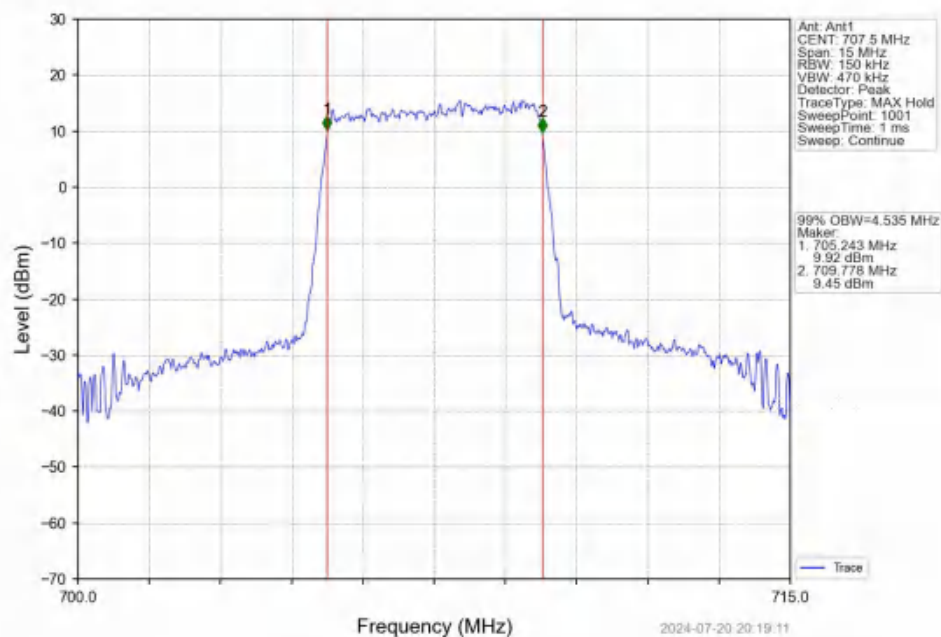
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



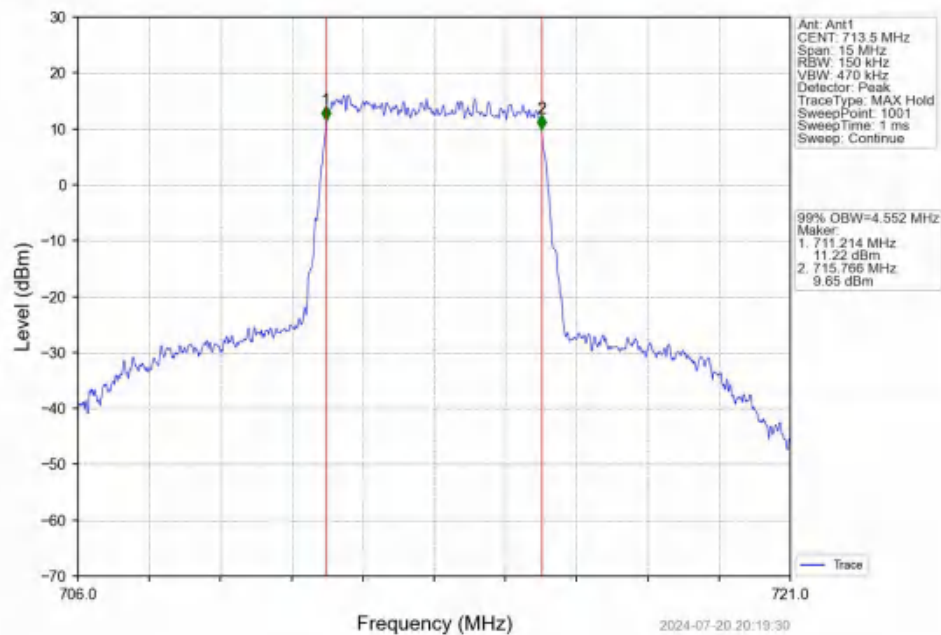
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



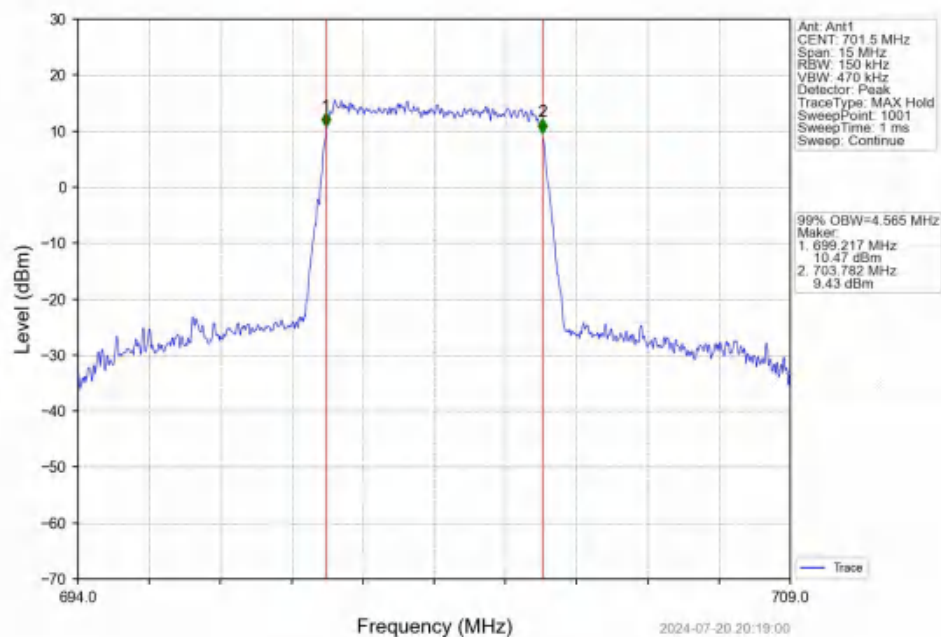
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



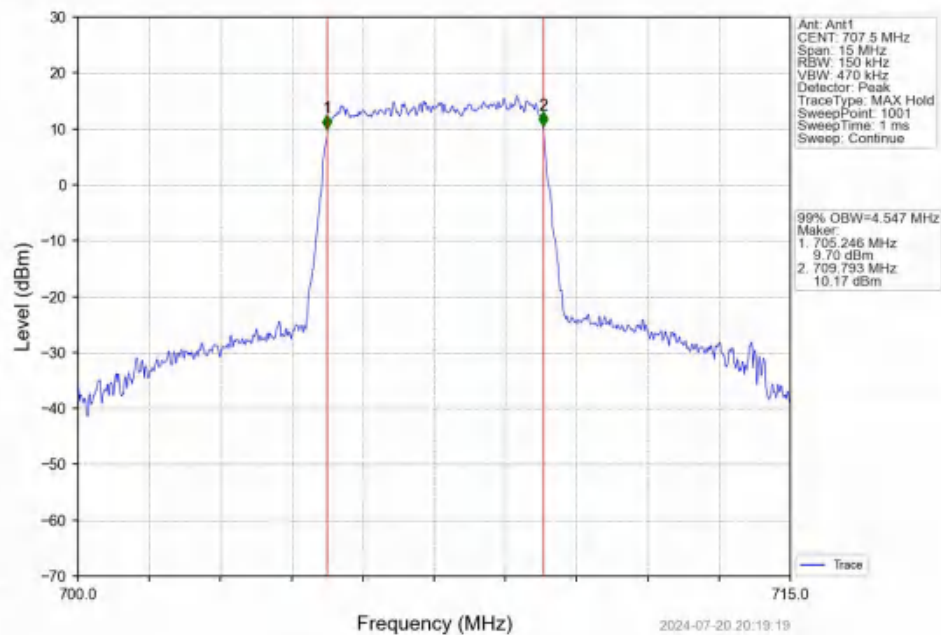
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



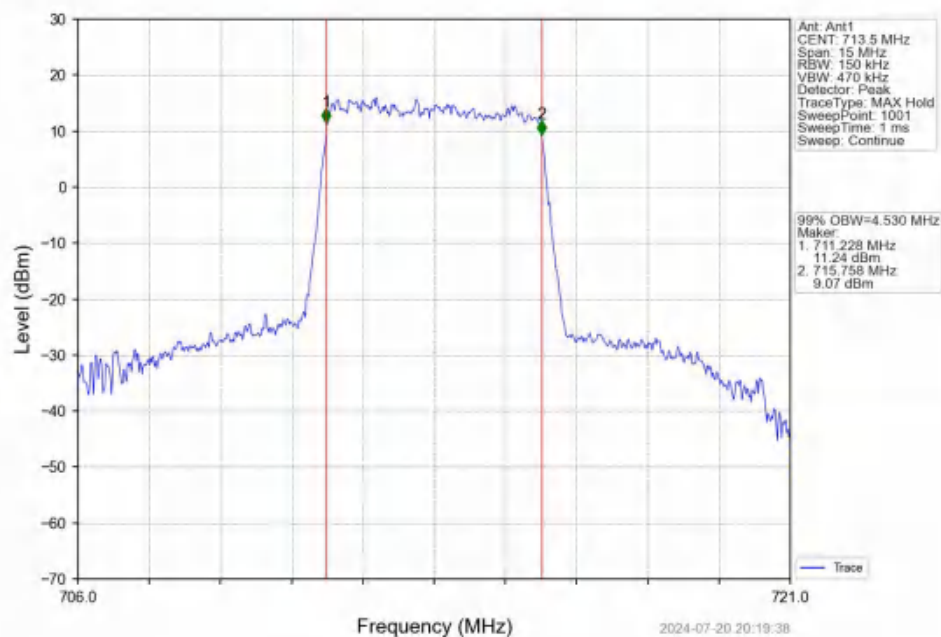
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



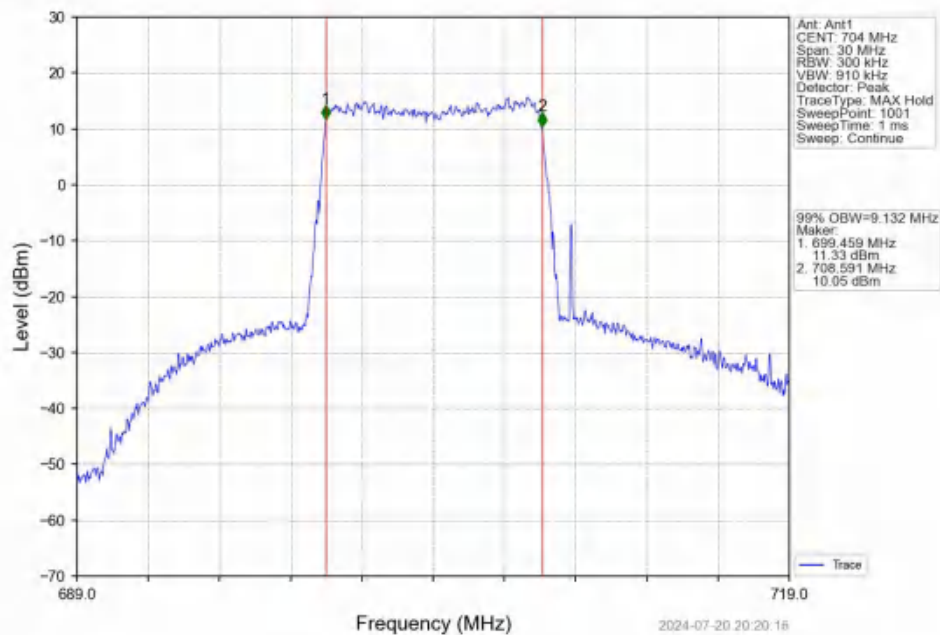
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



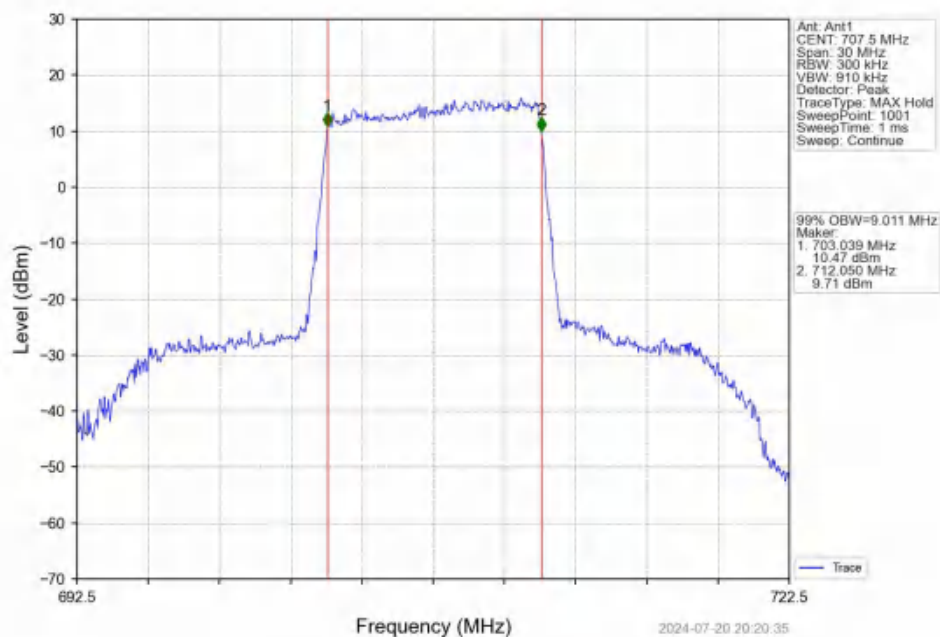
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



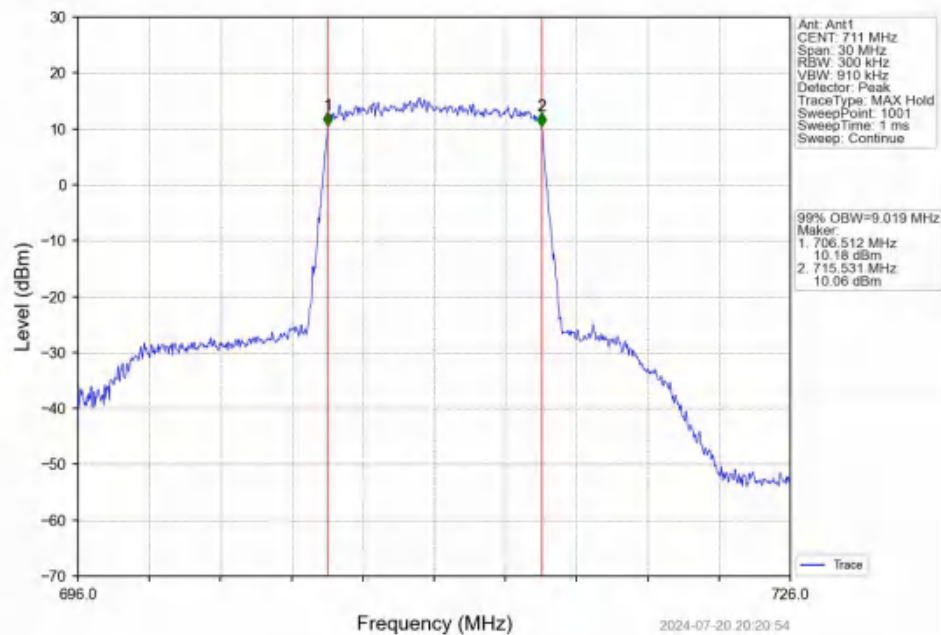
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



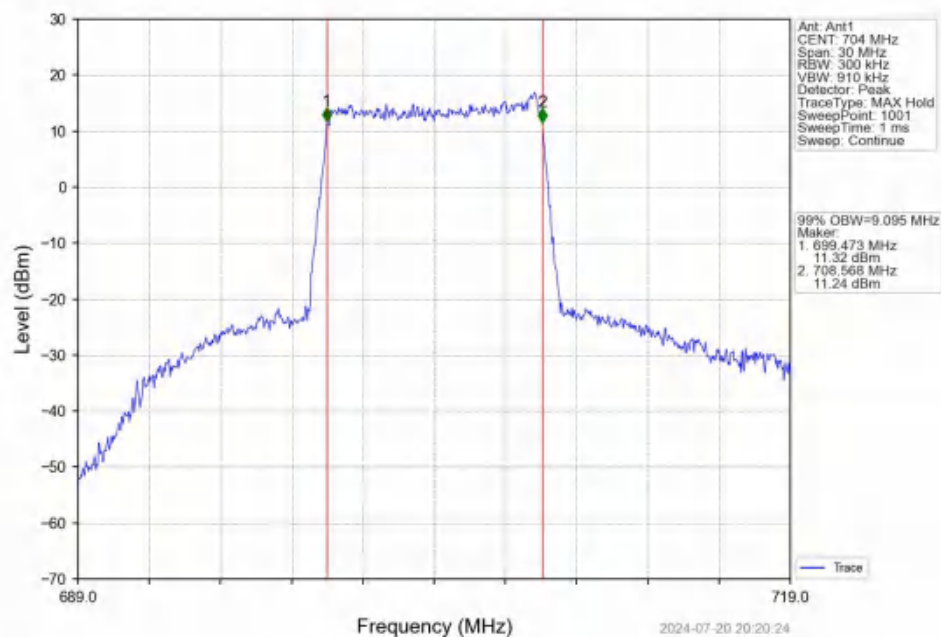
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



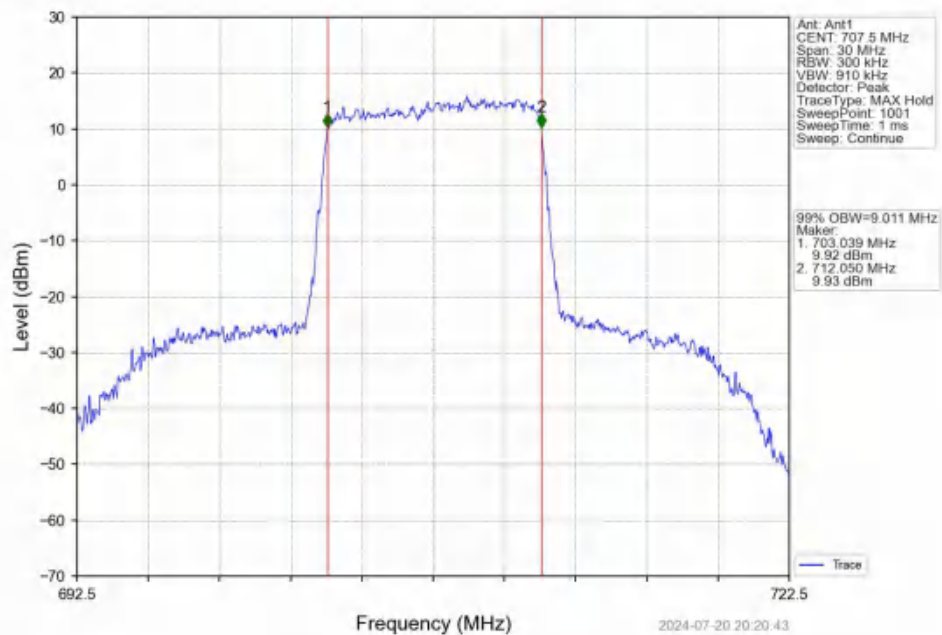
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



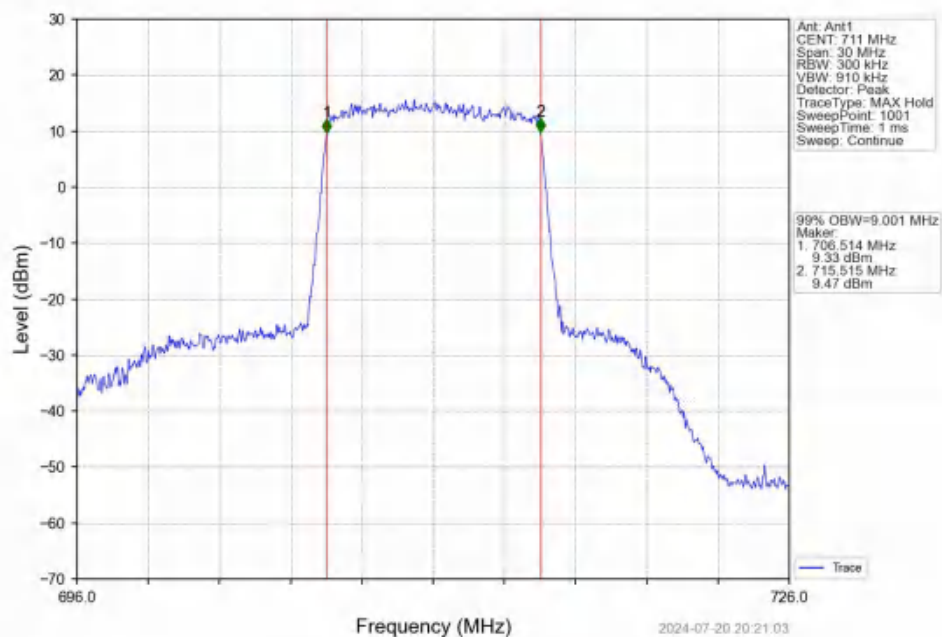
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



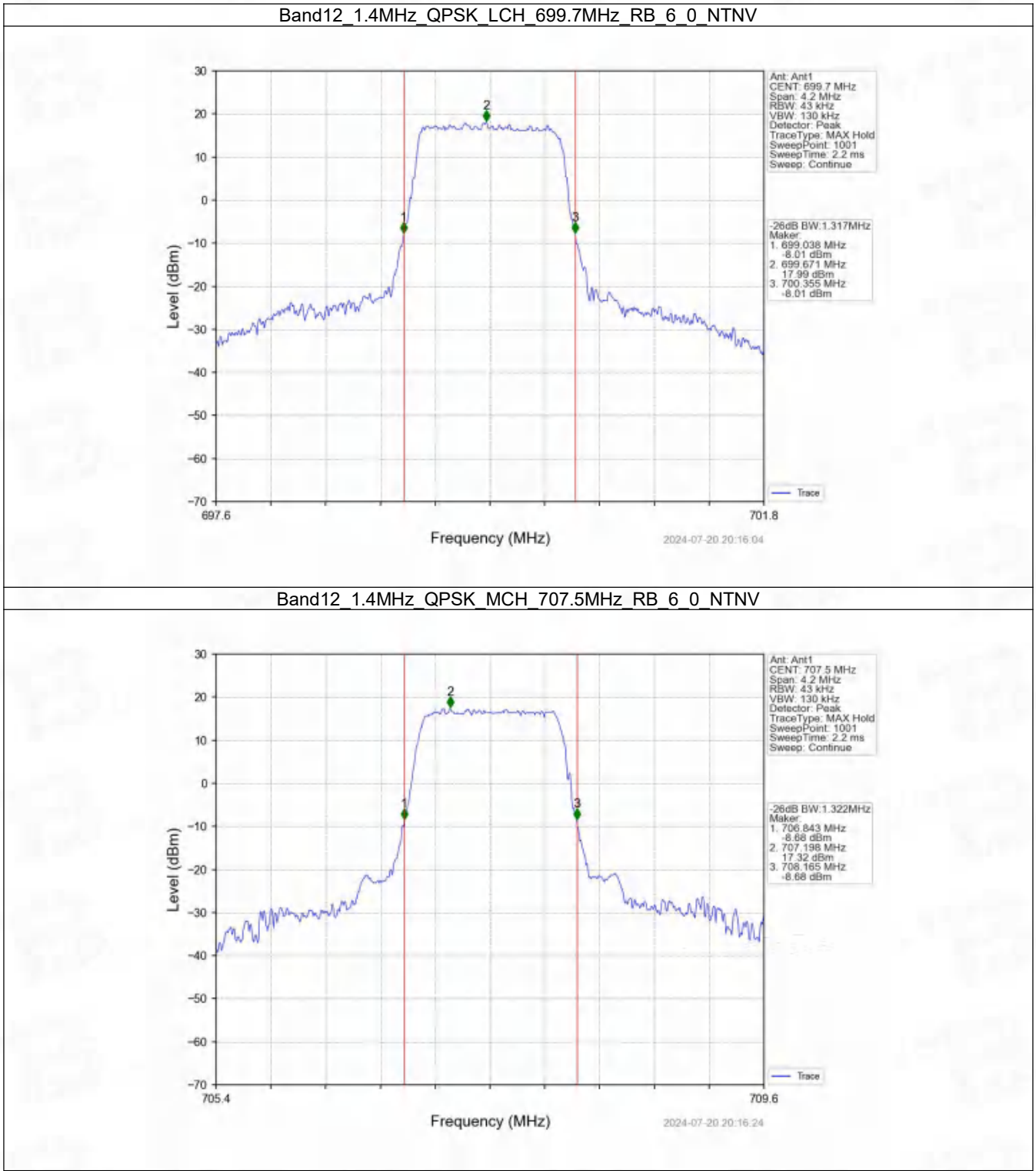
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



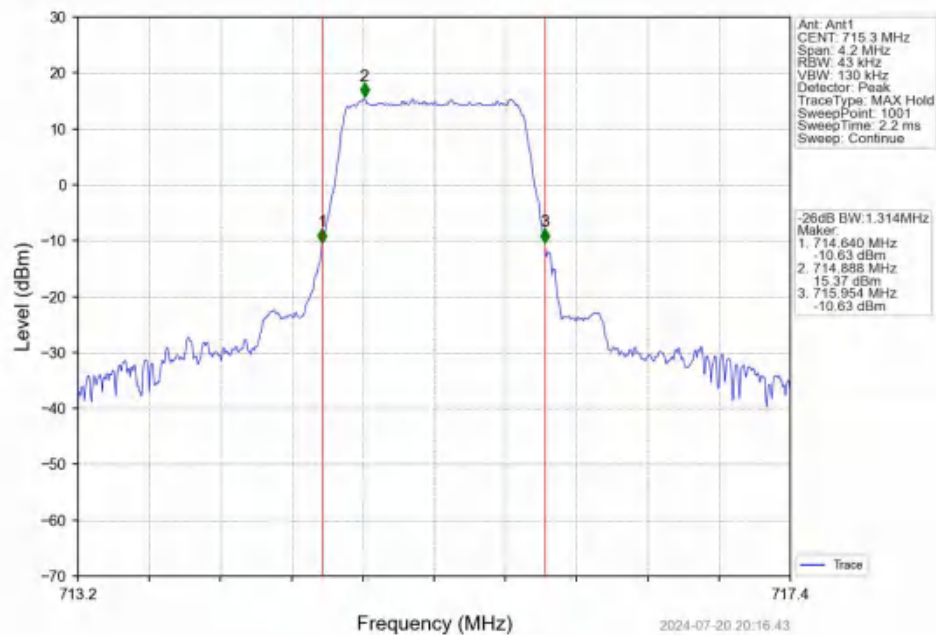
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



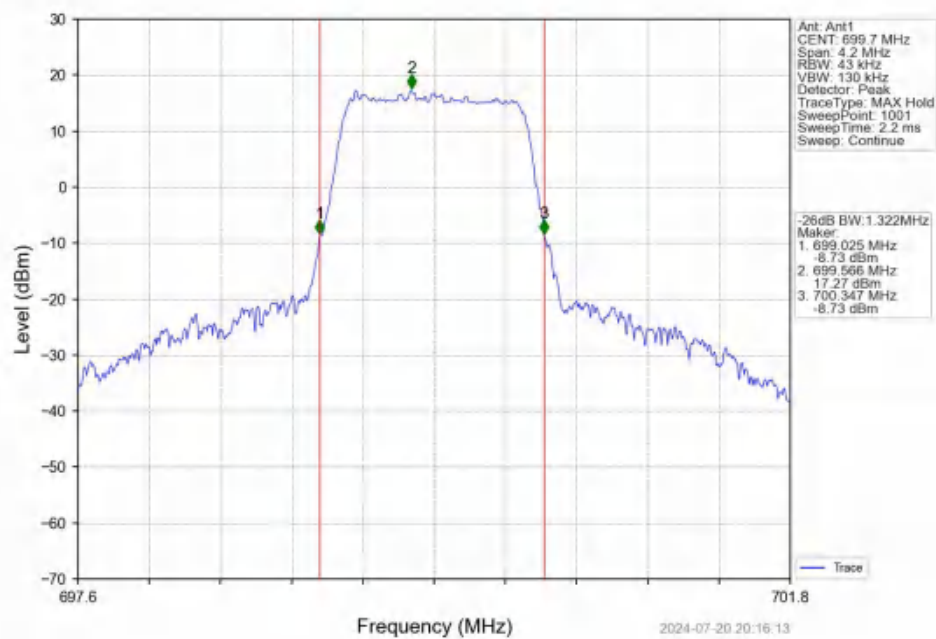
4.2.2 Band12_XDB



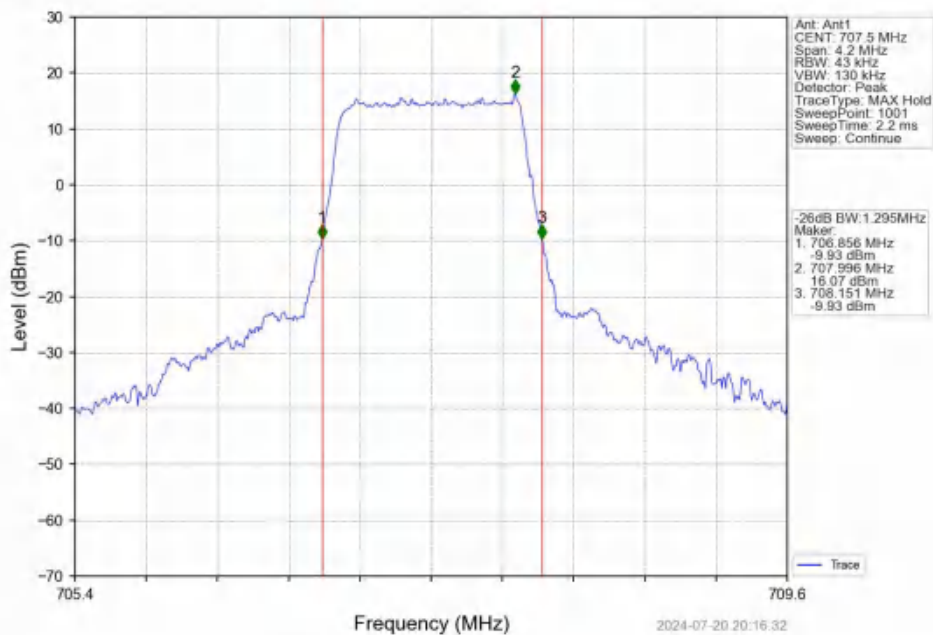
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



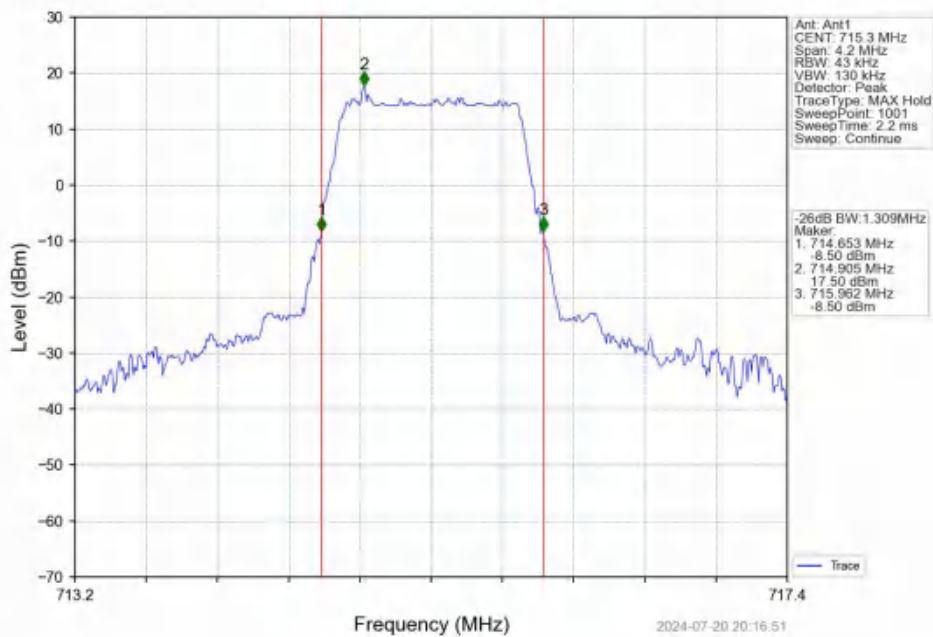
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



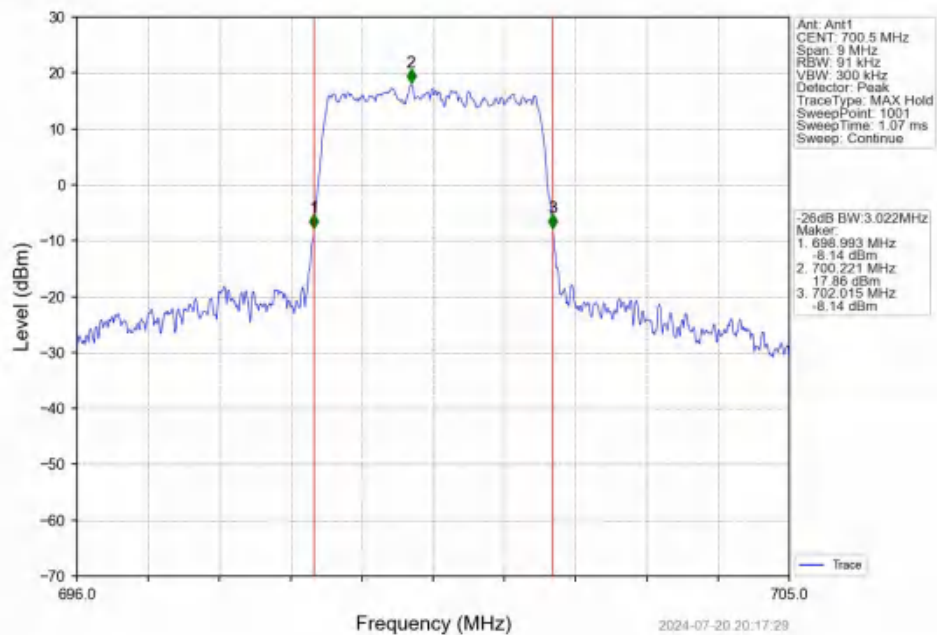
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



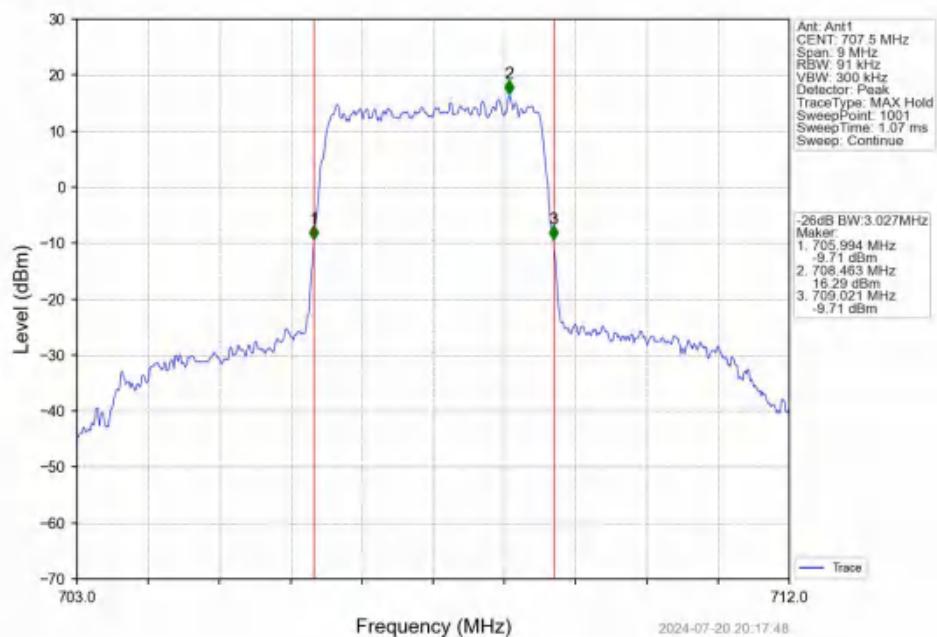
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



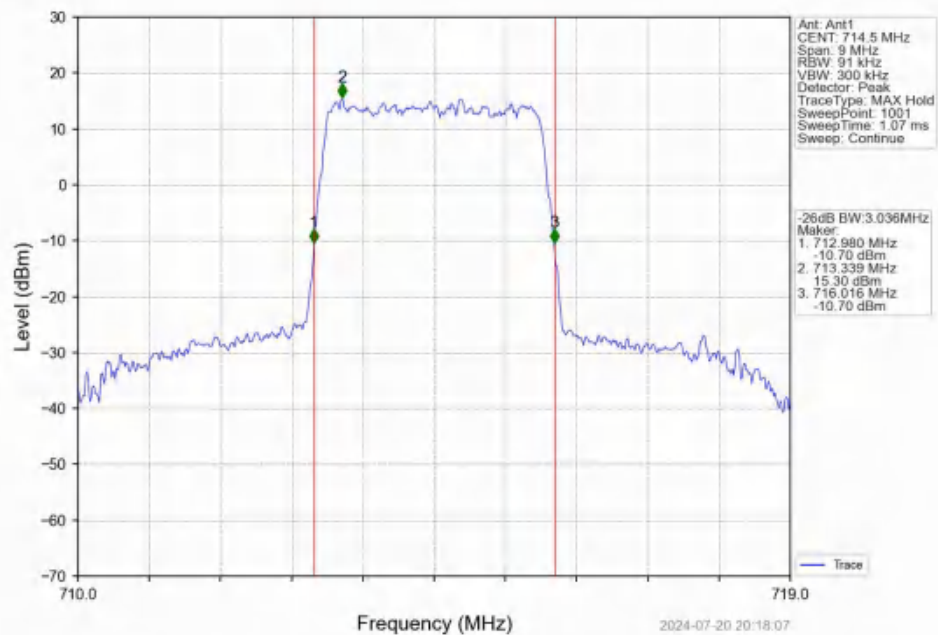
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



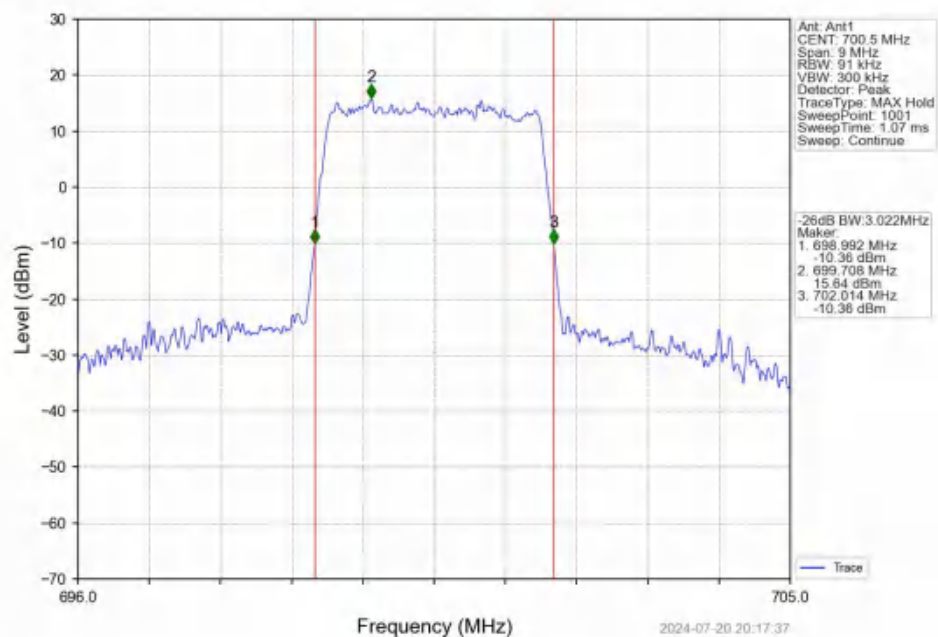
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



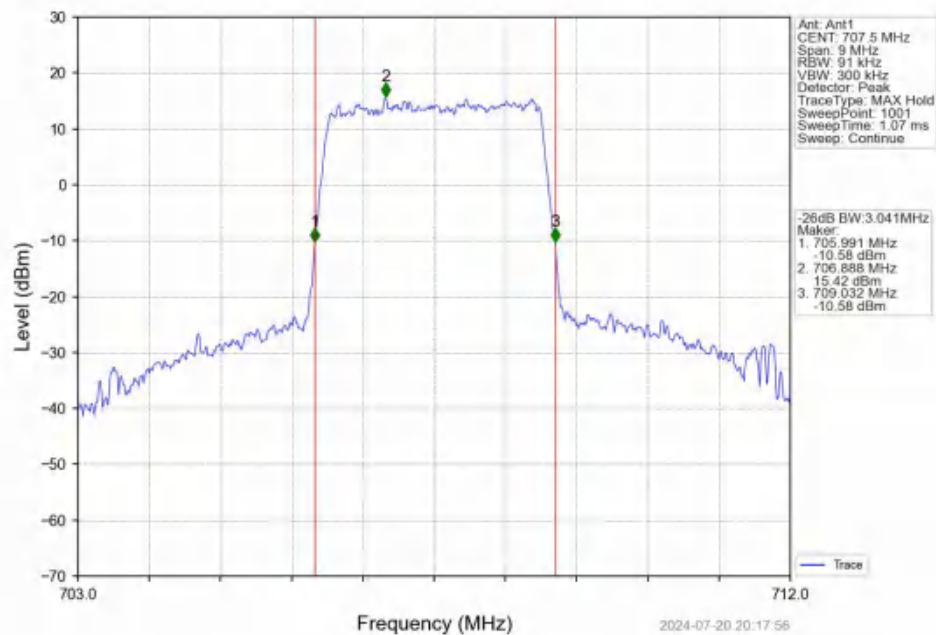
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



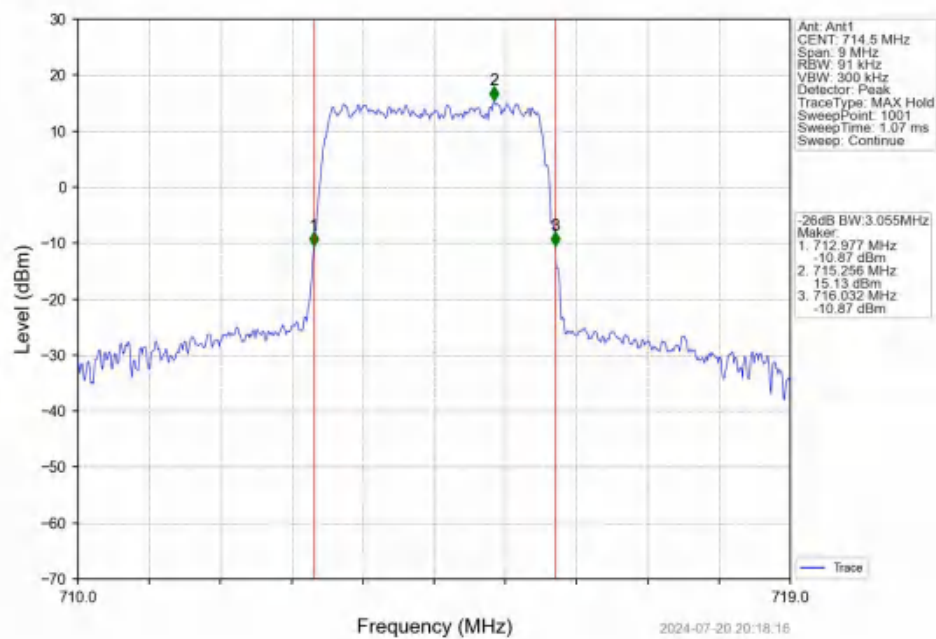
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



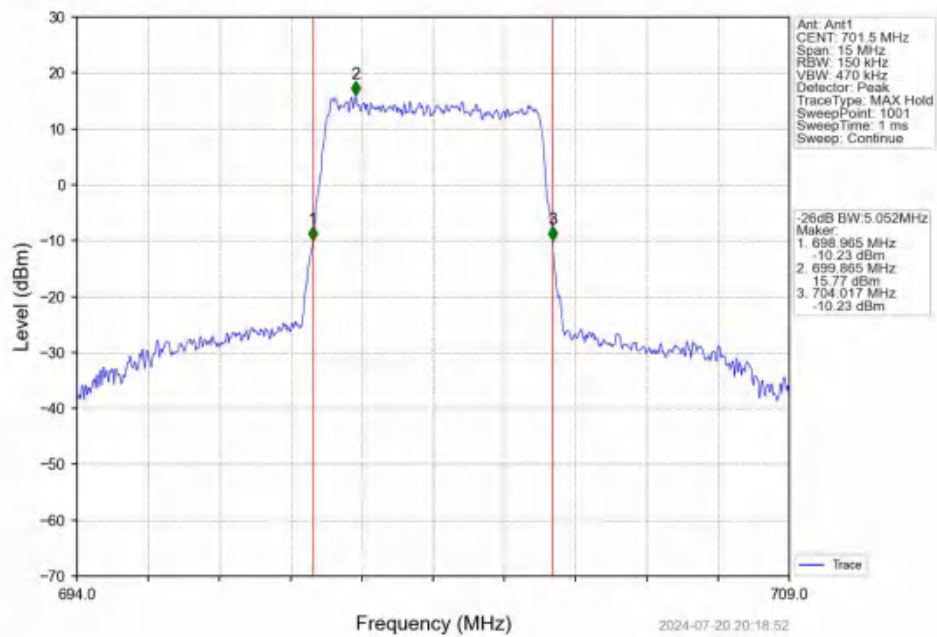
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



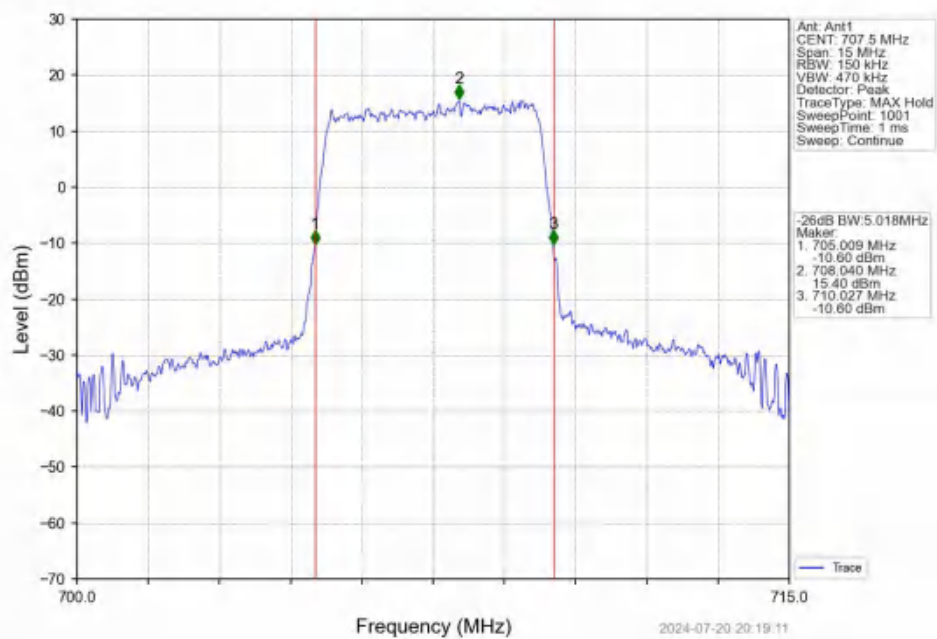
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



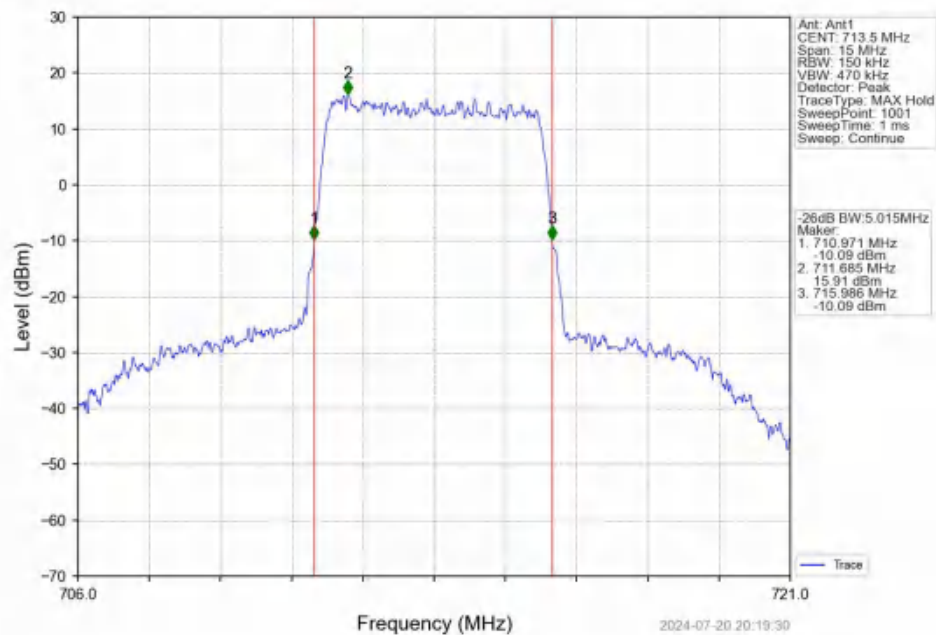
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



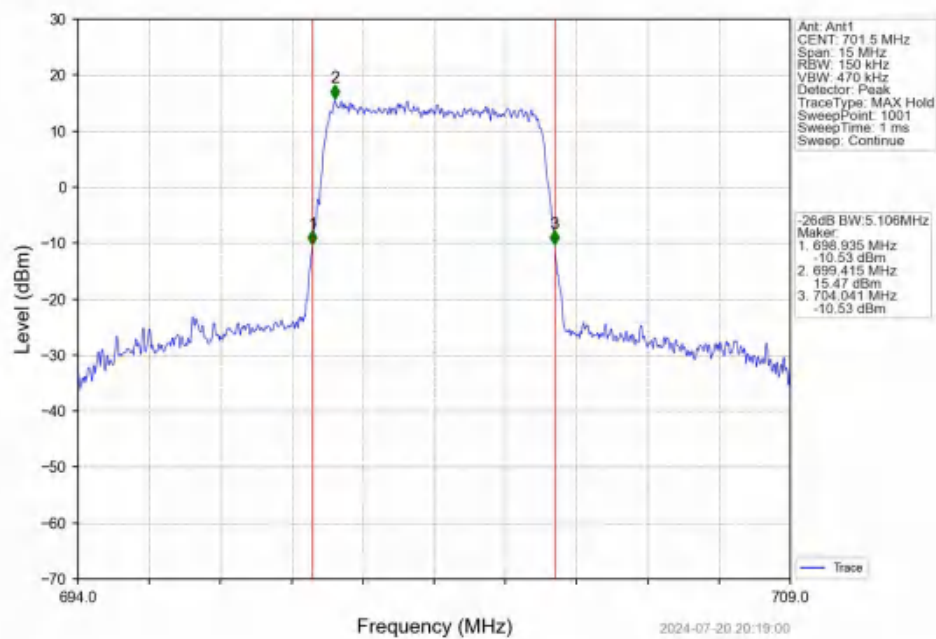
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



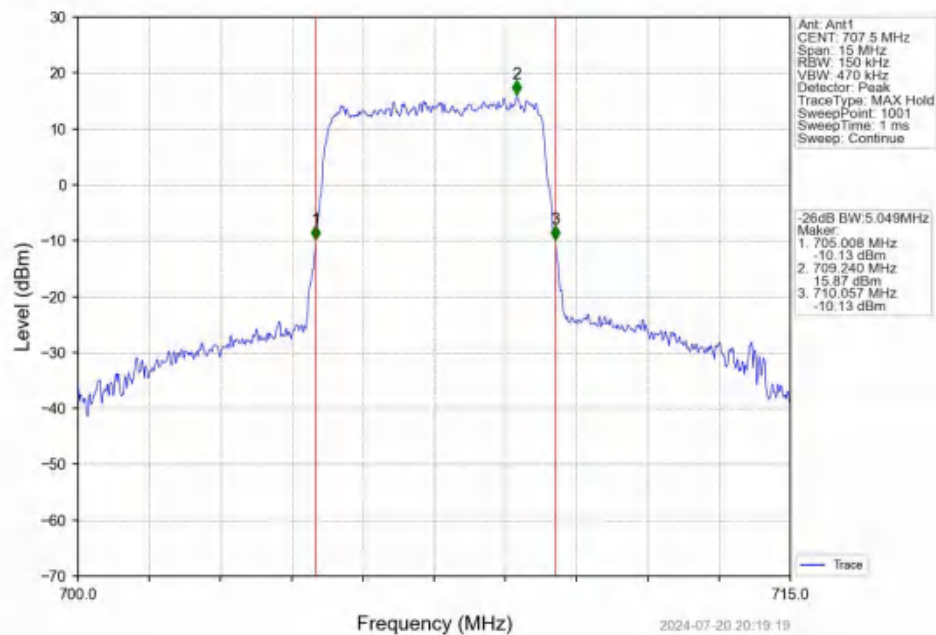
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



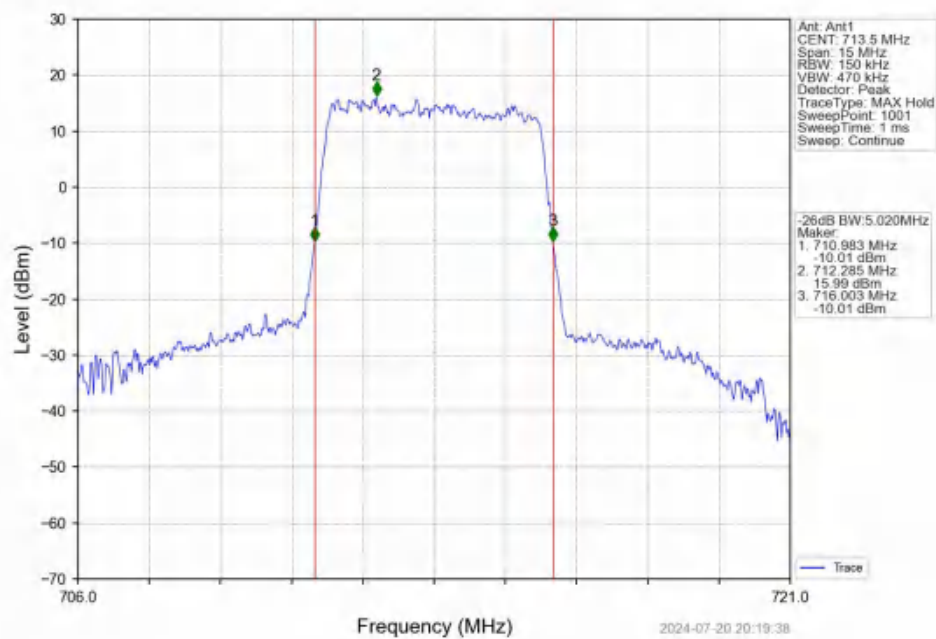
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



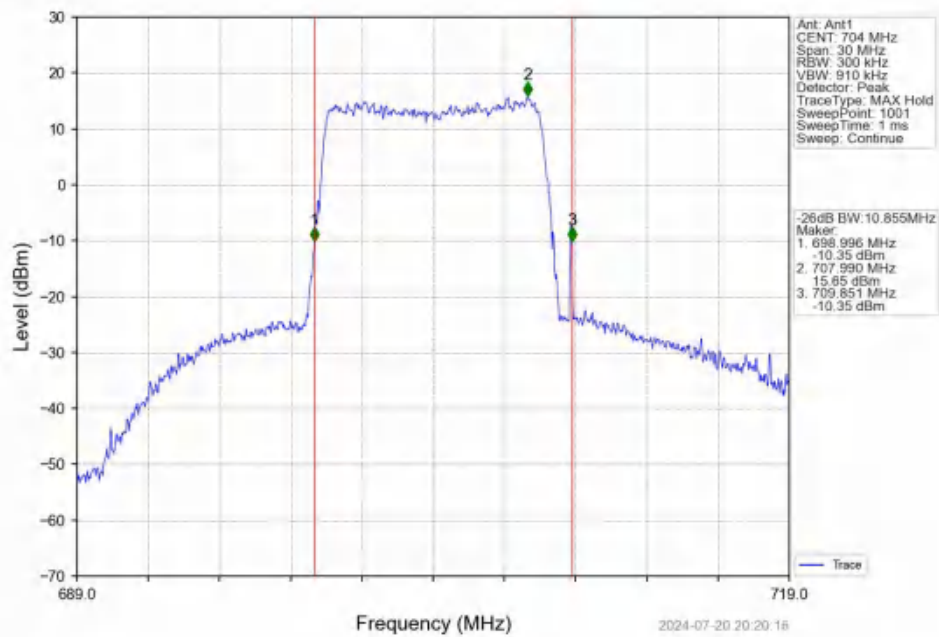
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



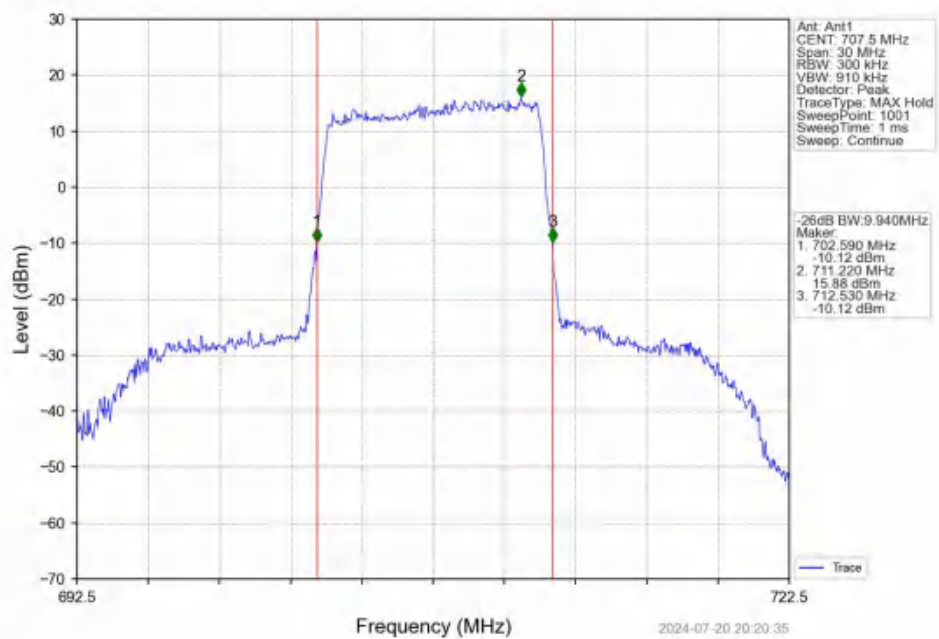
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



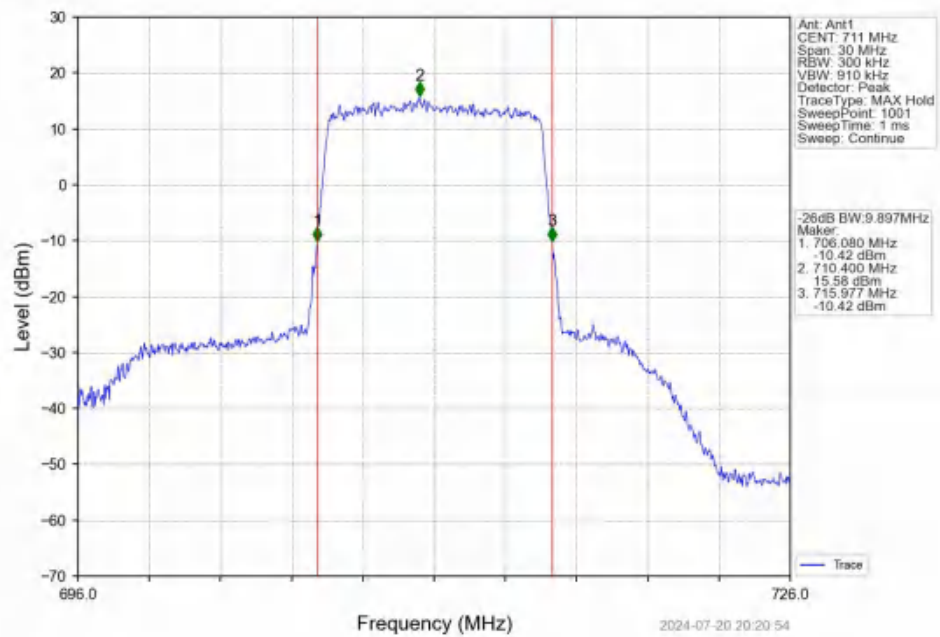
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



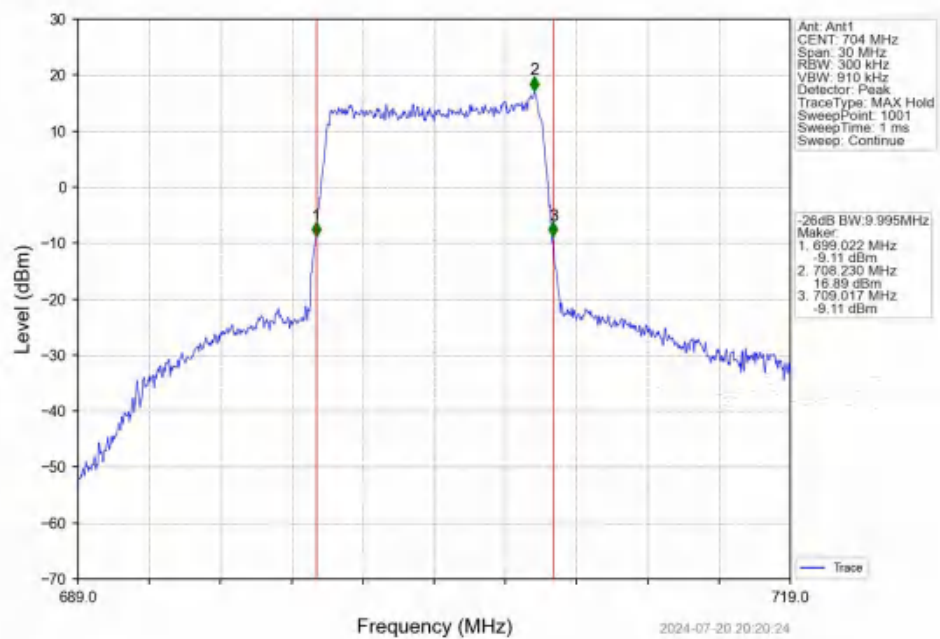
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



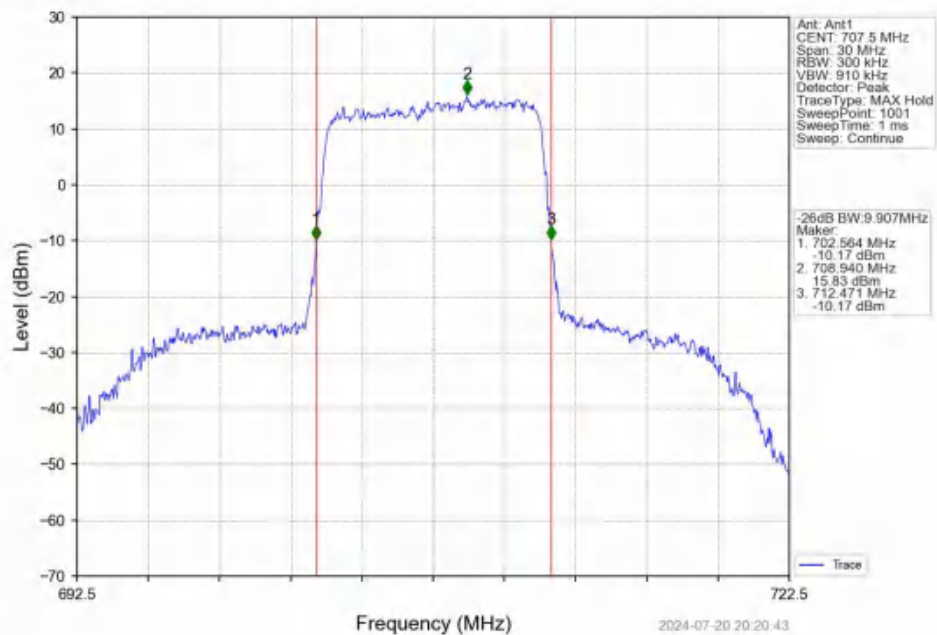
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



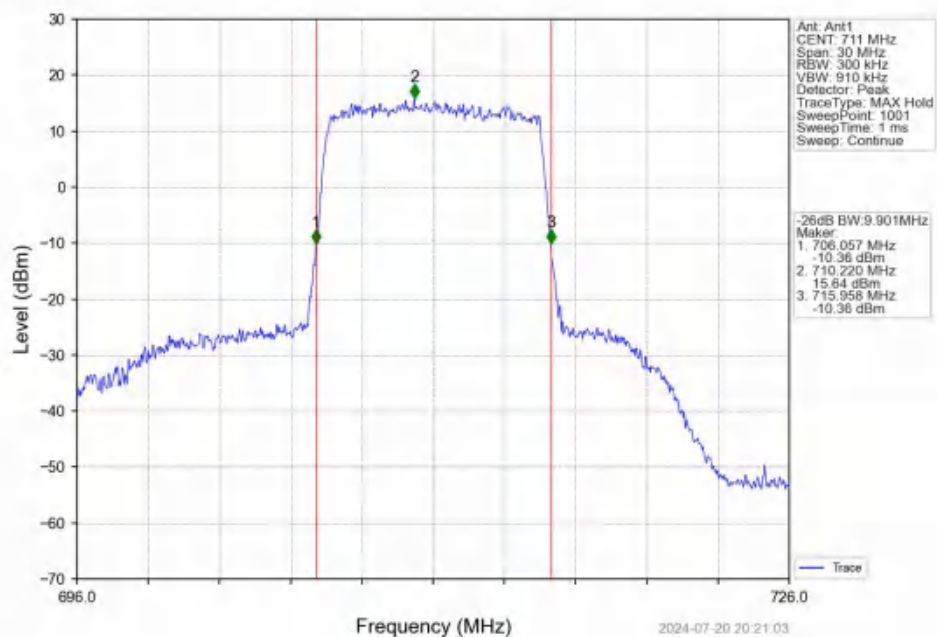
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.63	<=13	Pass
	707.5	6	0	6.17	<=13	Pass
	715.3	6	0	6.28	<=13	Pass
16QAM	699.7	6	0	6.82	<=13	Pass
	707.5	6	0	7.13	<=13	Pass
	715.3	6	0	6.90	<=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	5.69	<=13	Pass
	707.5	15	0	6.36	<=13	Pass
	714.5	15	0	6.33	<=13	Pass
16QAM	700.5	15	0	6.32	<=13	Pass
	707.5	15	0	6.37	<=13	Pass
	714.5	15	0	6.32	<=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	6.17	<=13	Pass
	707.5	25	0	6.29	<=13	Pass
	713.5	25	0	6.19	<=13	Pass
16QAM	701.5	25	0	6.75	<=13	Pass
	707.5	25	0	7.02	<=13	Pass
	713.5	25	0	6.86	<=13	Pass

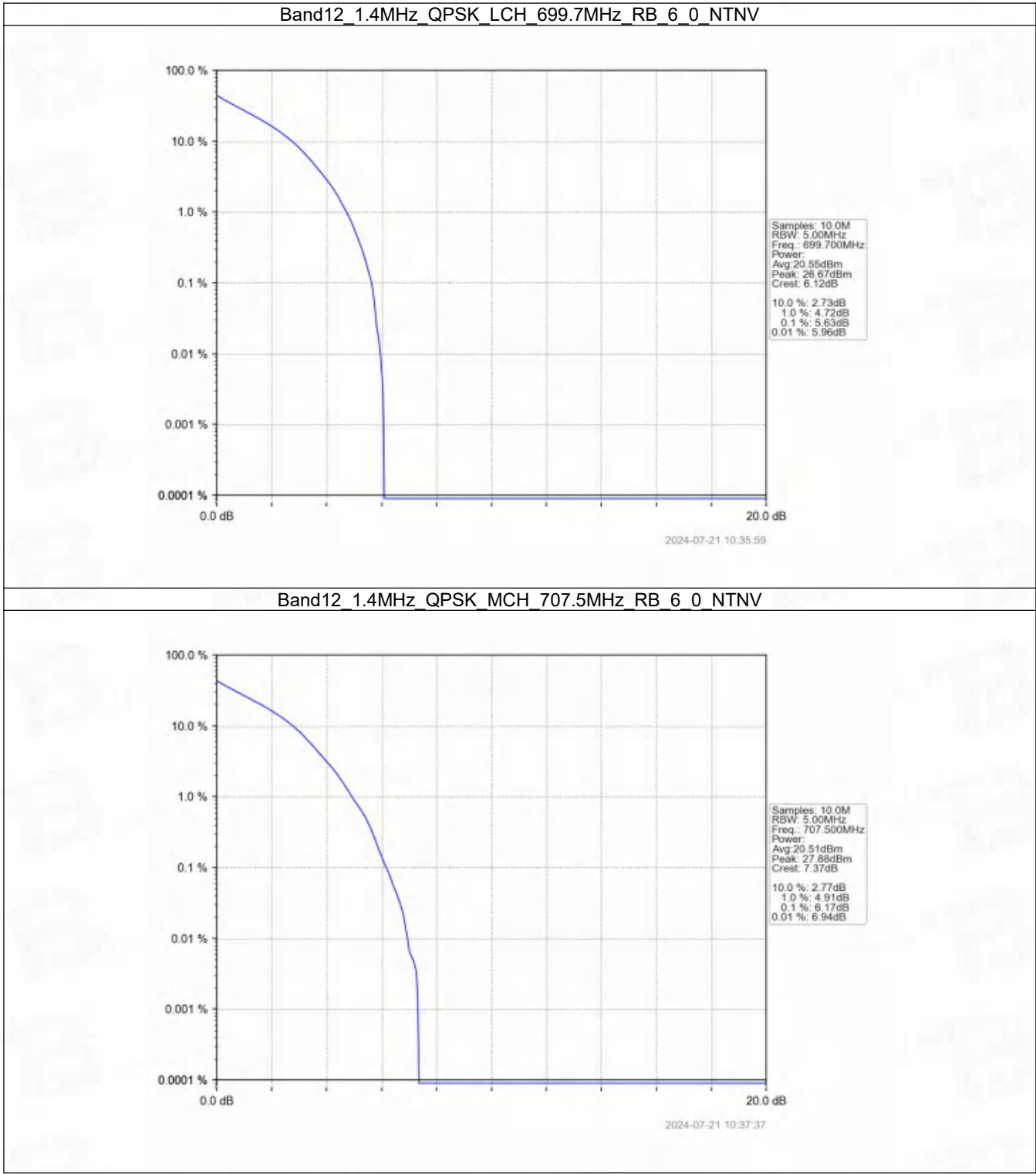
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	6.30	<=13	Pass
	707.5	50	0	6.15	<=13	Pass
	711	50	0	5.90	<=13	Pass
16QAM	704	50	0	6.96	<=13	Pass
	707.5	50	0	6.92	<=13	Pass

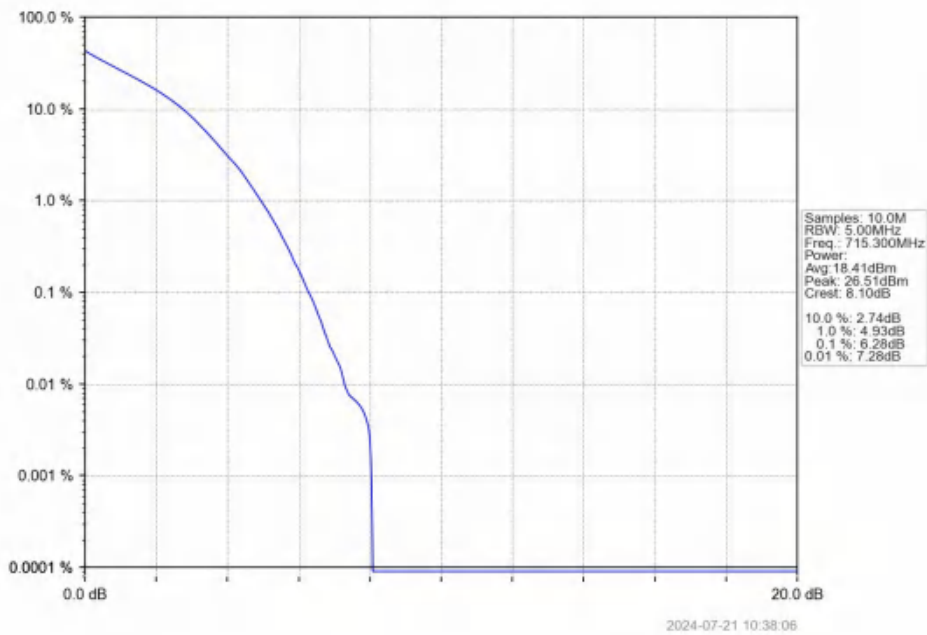
	711	50	0	6.73	<=13	Pass
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5.2 Test Graph

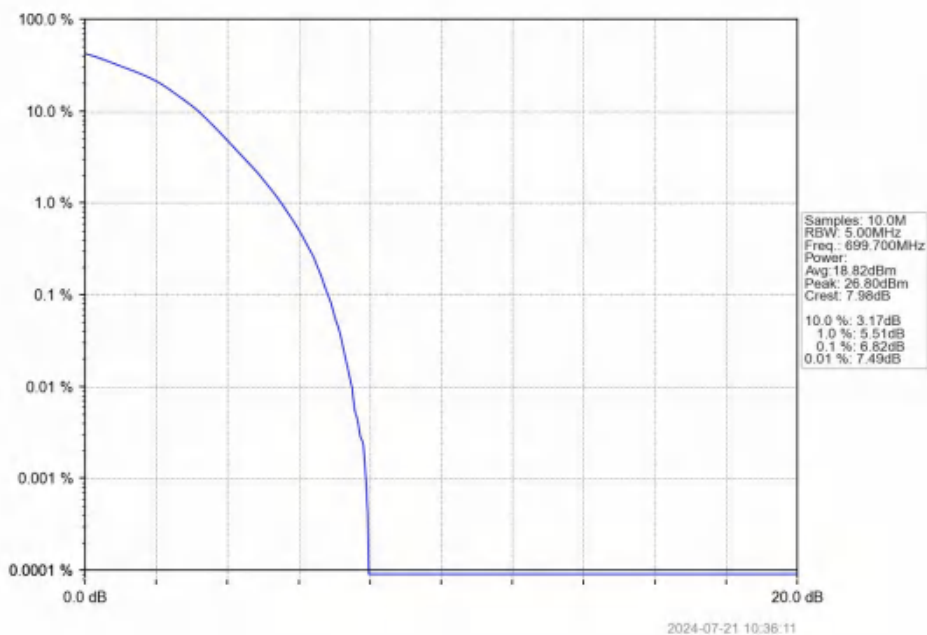
5.2.1 B12_1.4MHz



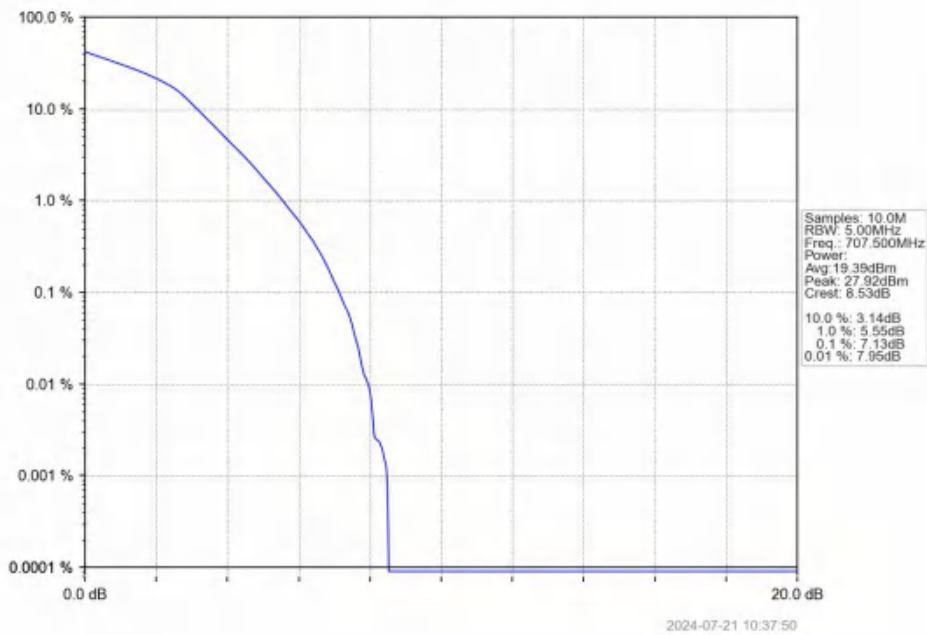
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



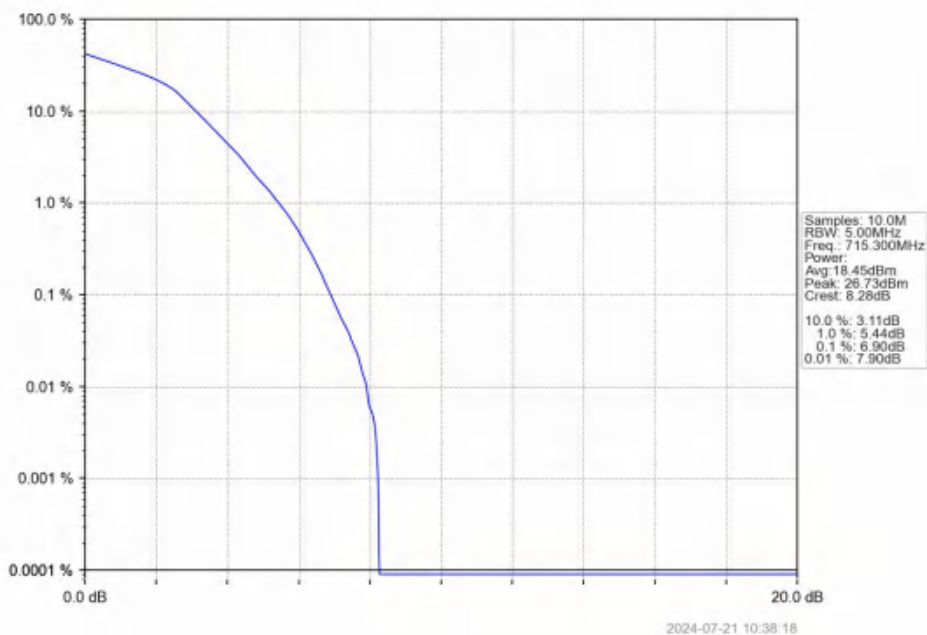
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



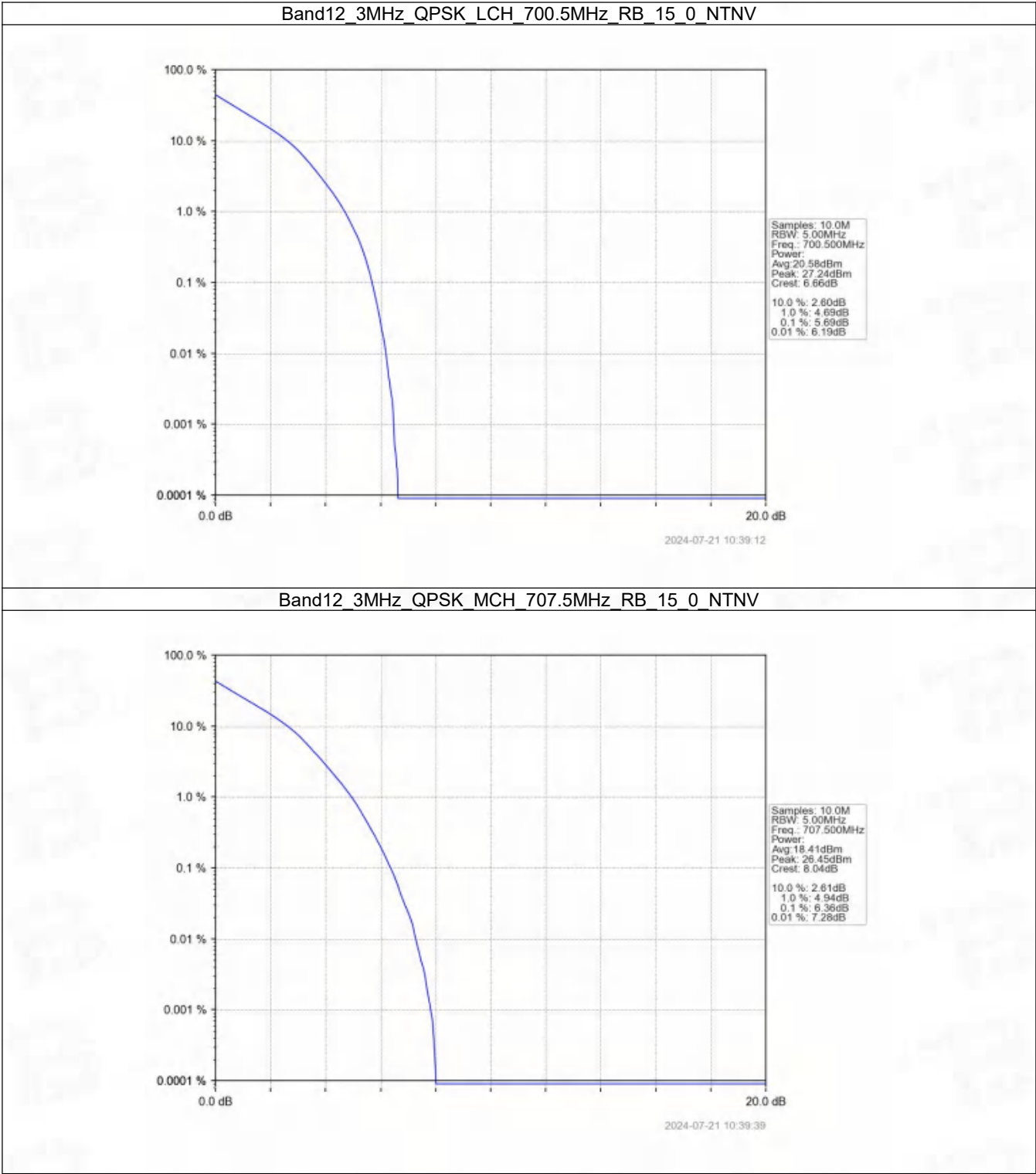
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



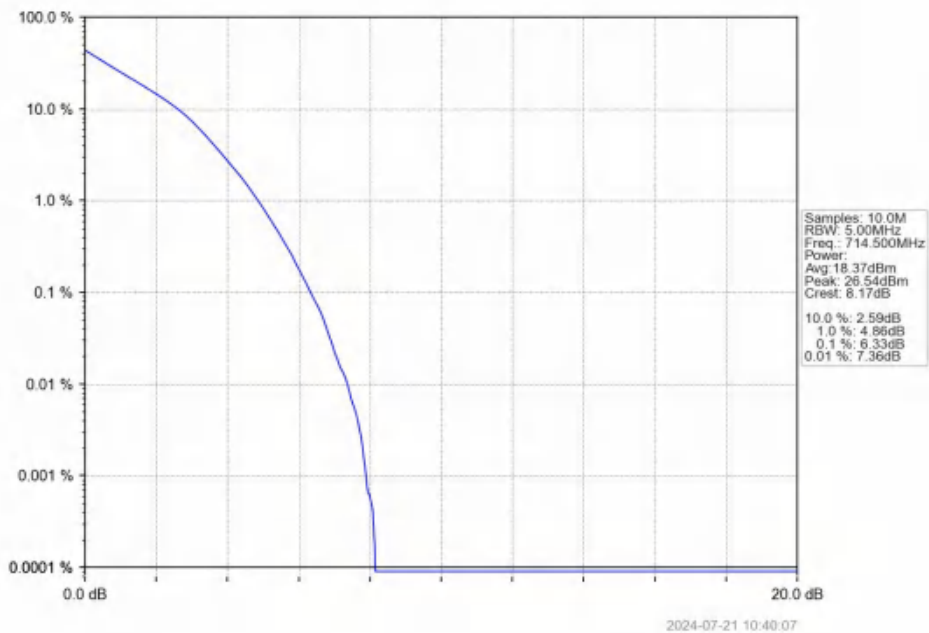
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



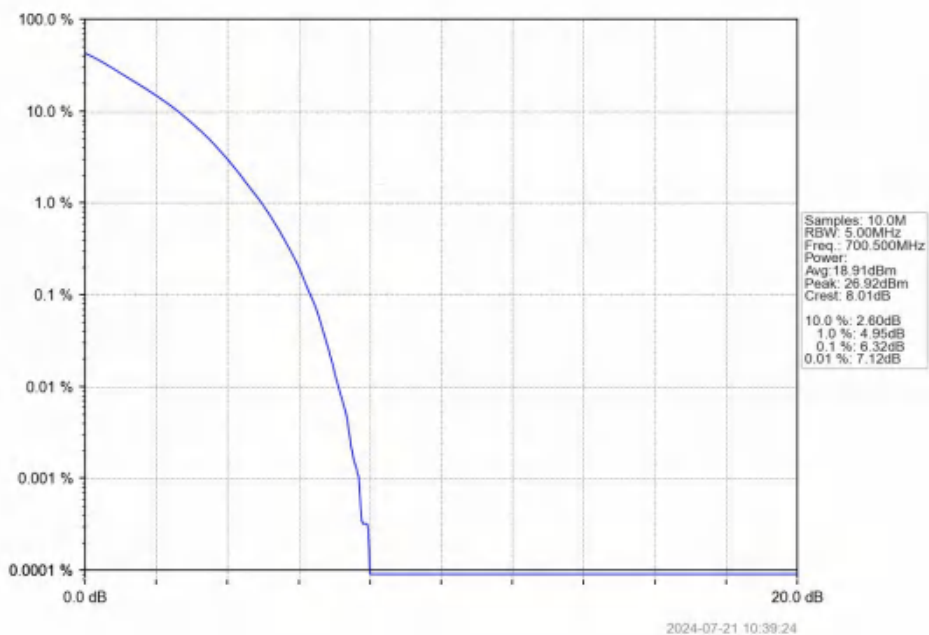
5.2.2 B12_3MHz



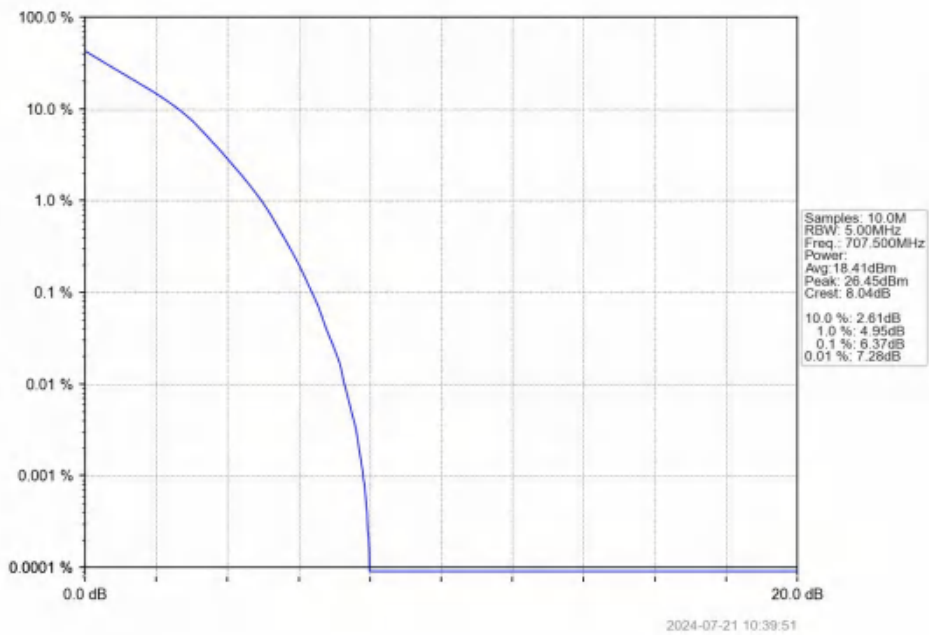
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



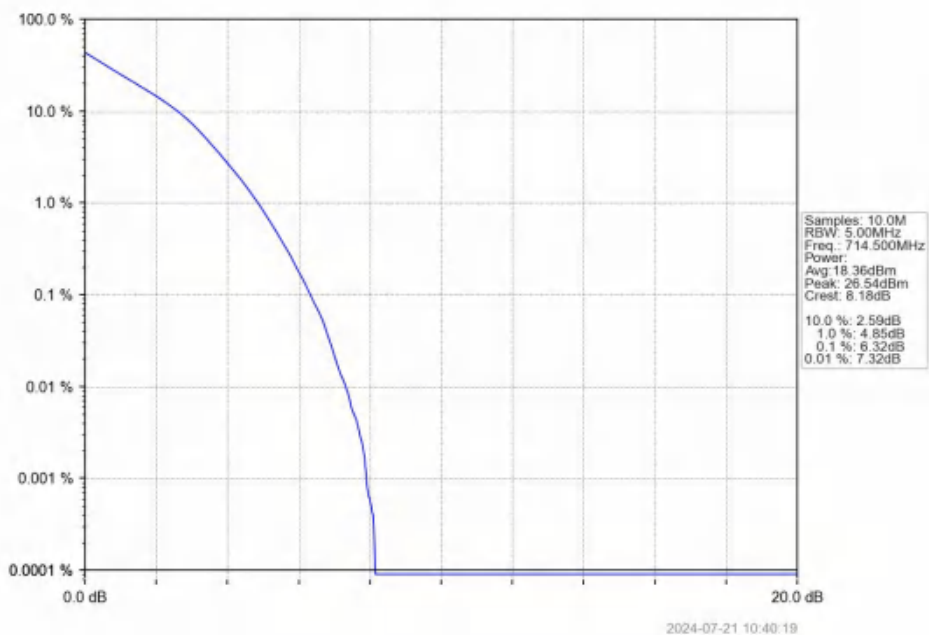
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



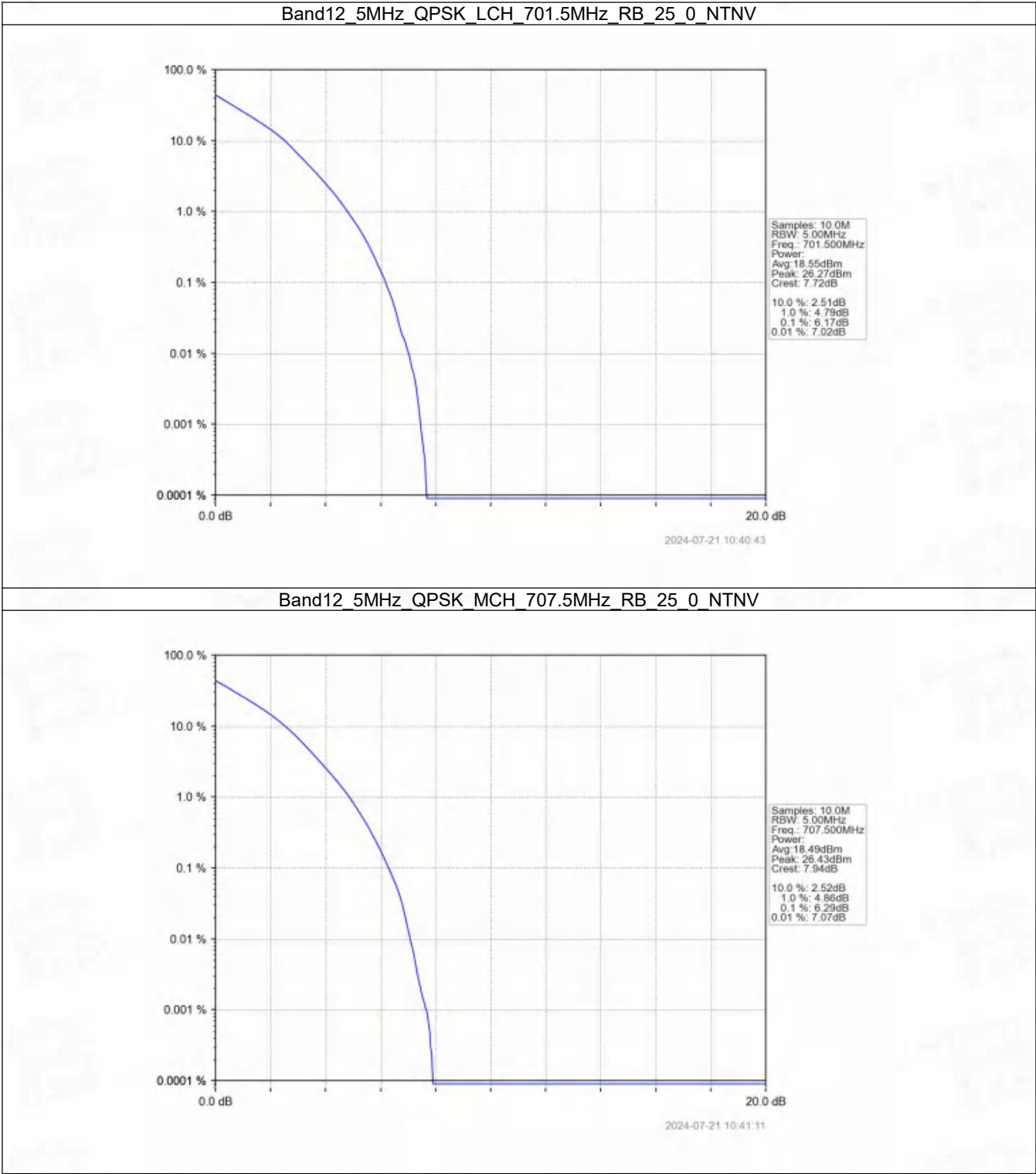
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



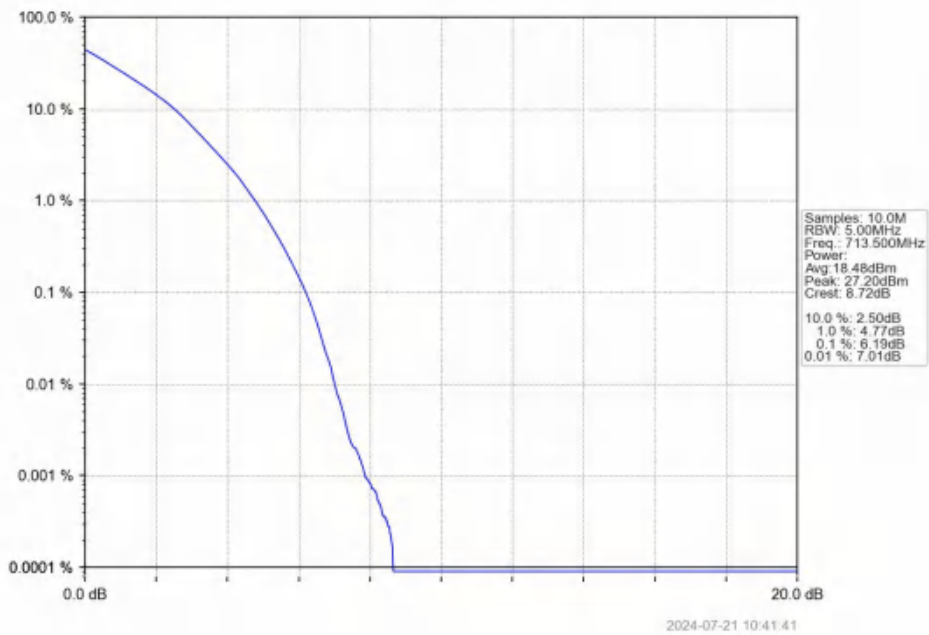
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



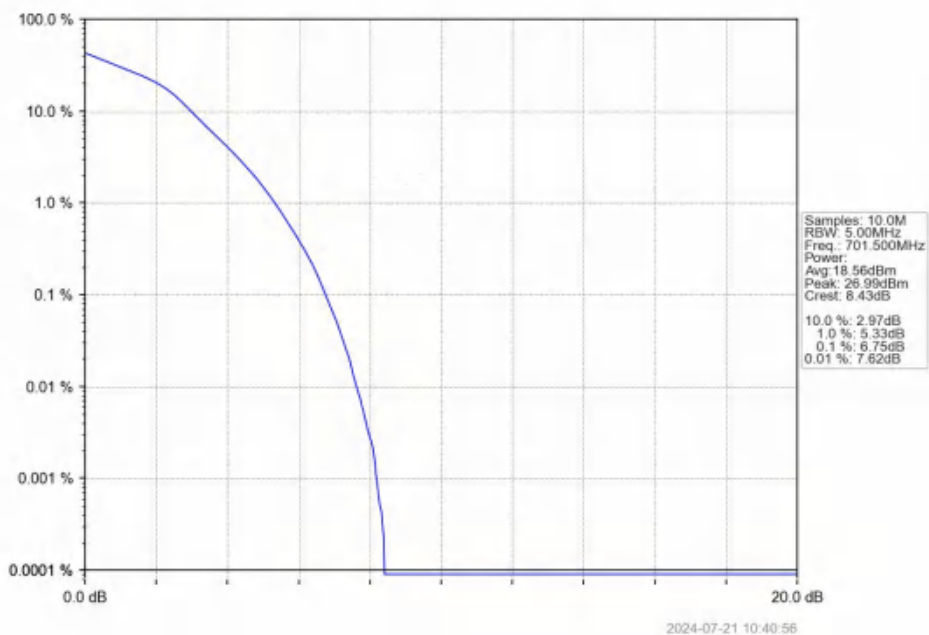
5.2.3 B12_5MHz



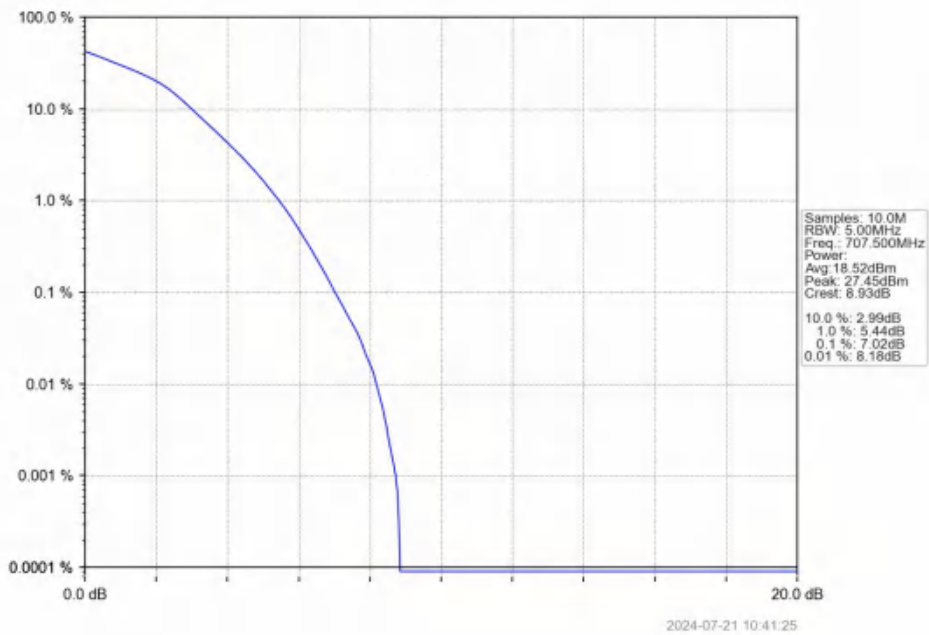
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



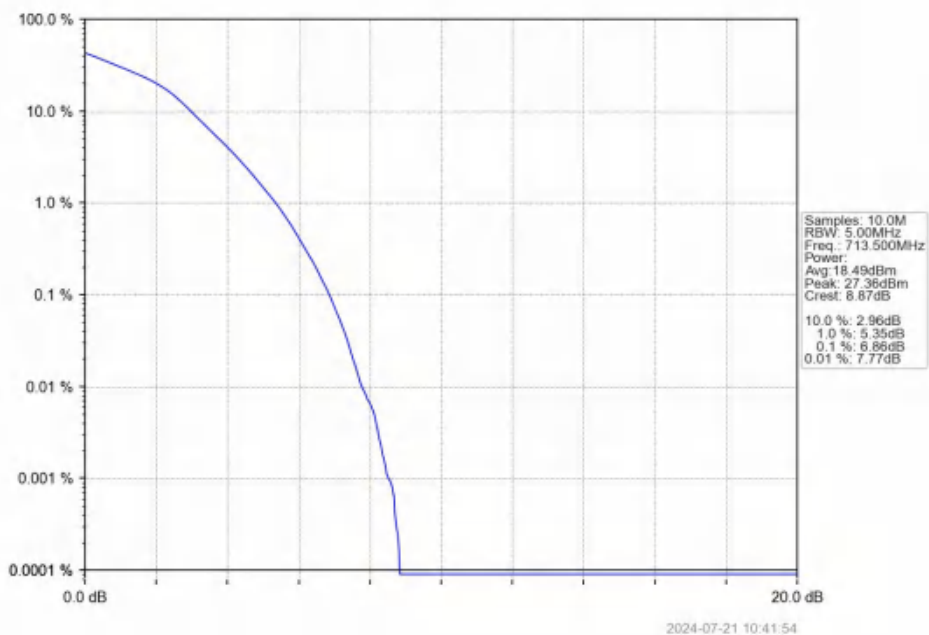
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



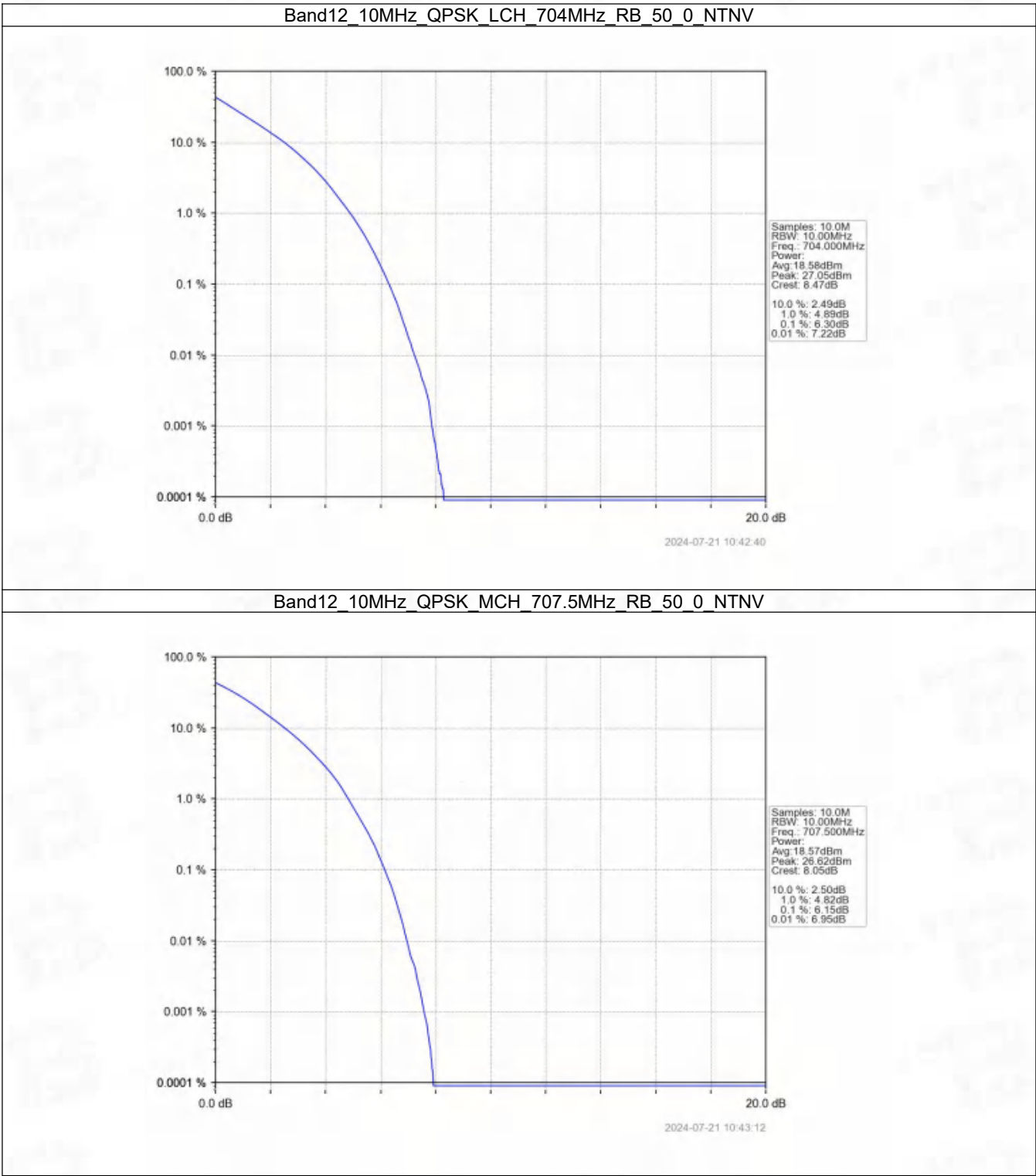
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



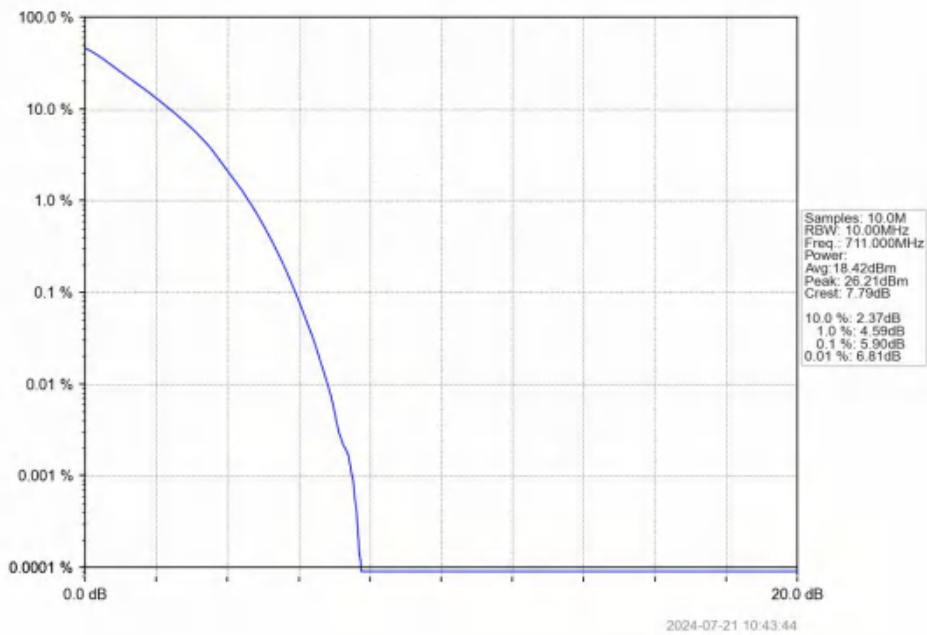
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



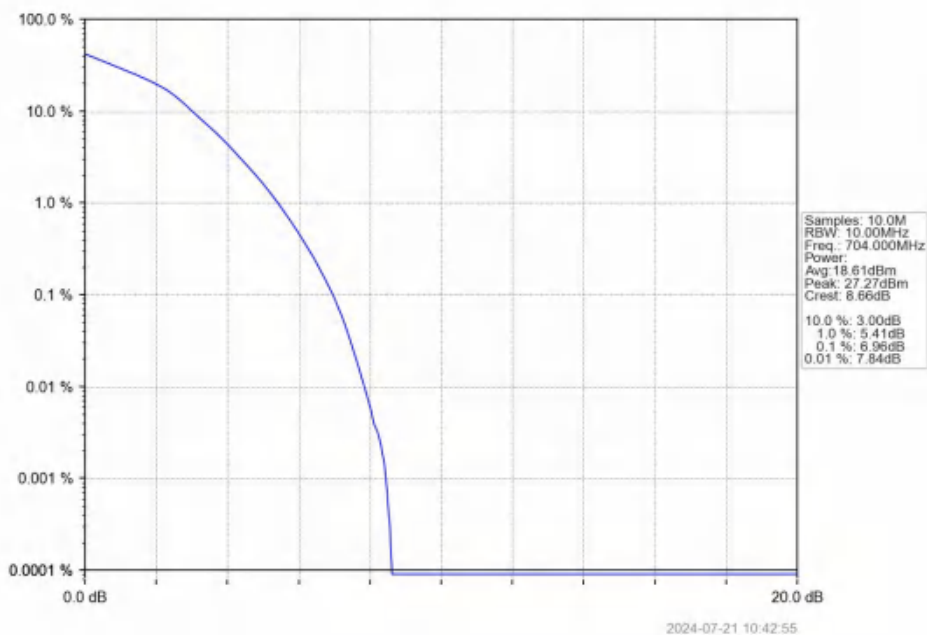
5.2.4 B12_10MHz



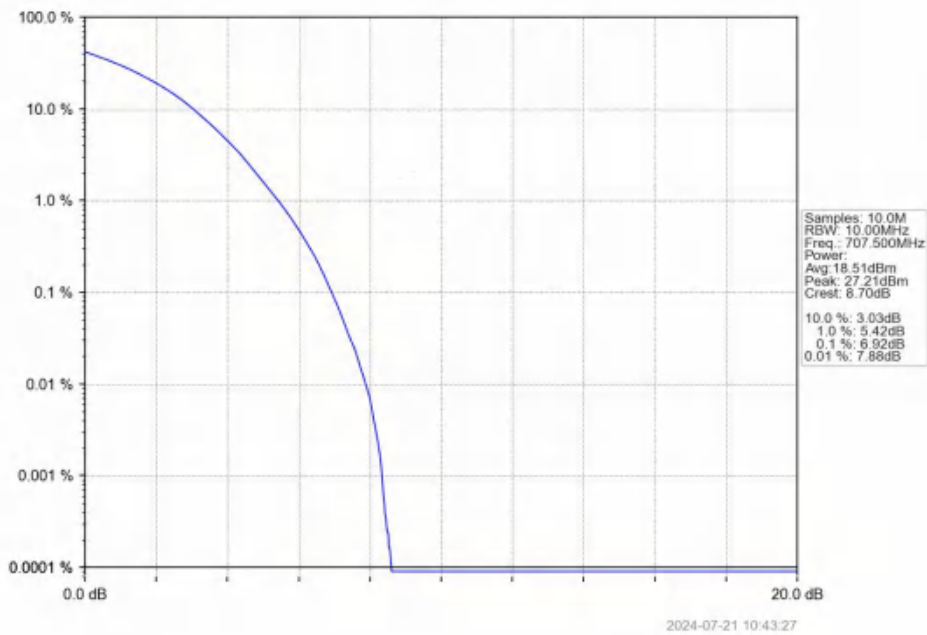
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



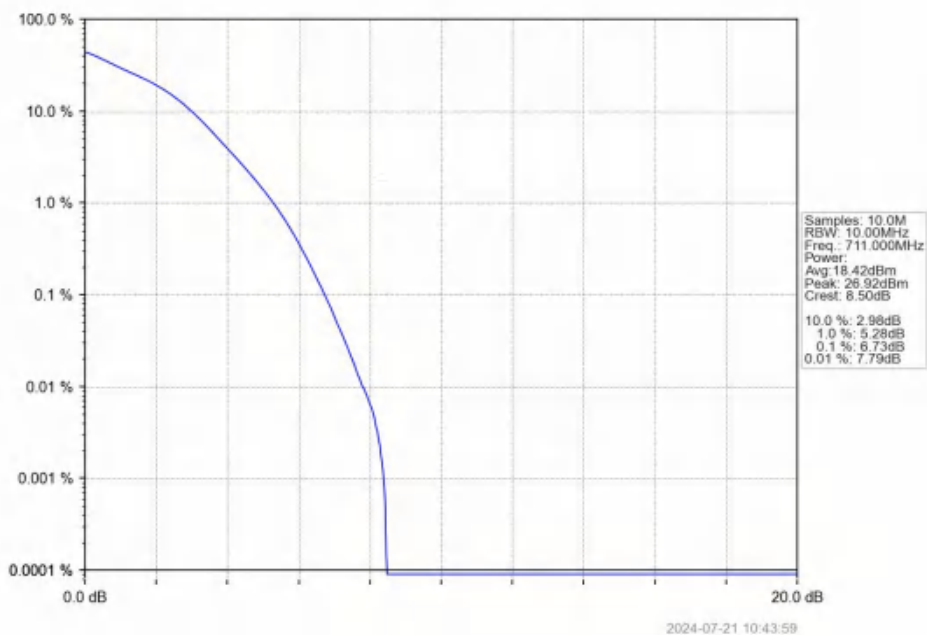
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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		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
		1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	715.3	1	0	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		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
		1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	714.5	1	0	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		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
		1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass

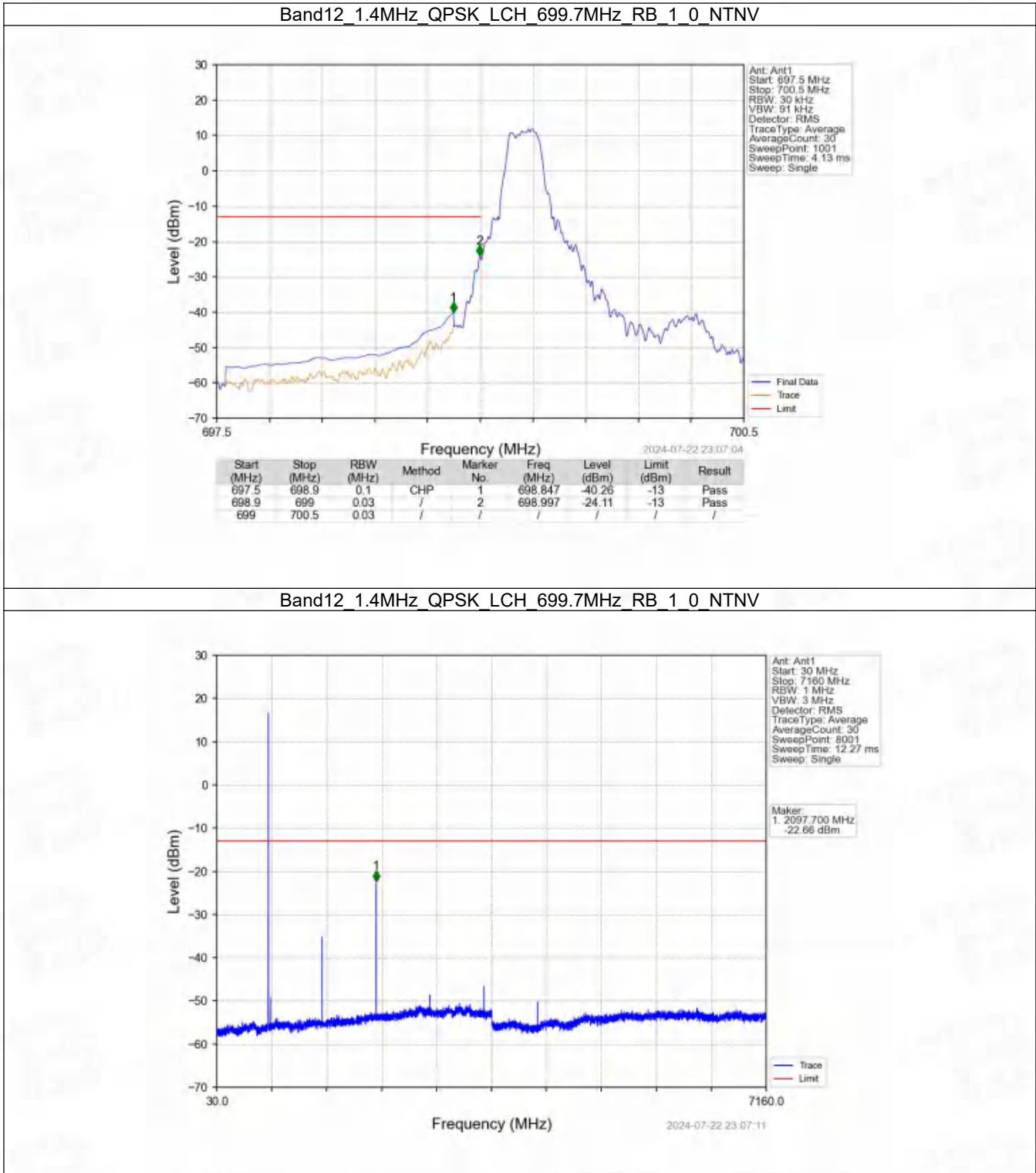
	707.5	25	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

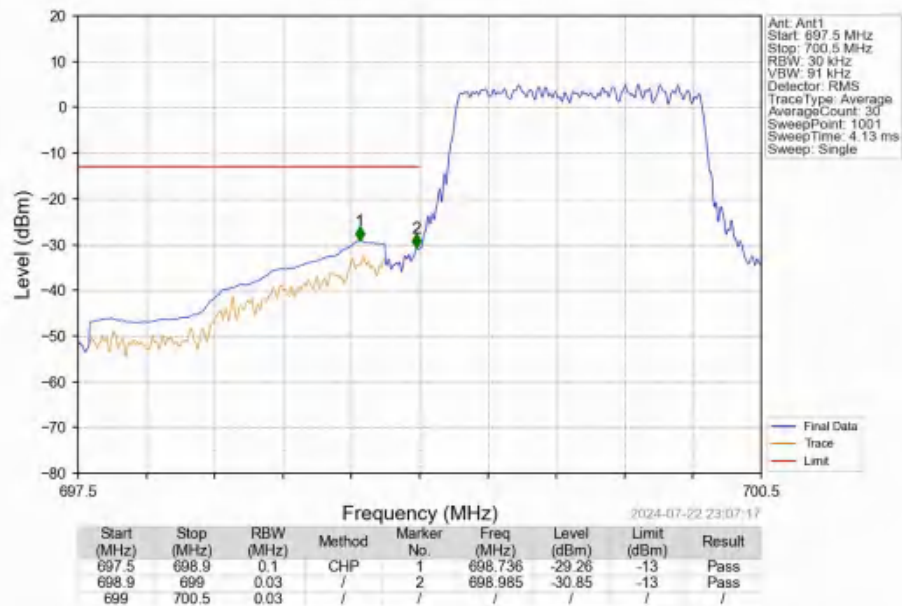
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

6.2 Test Graph

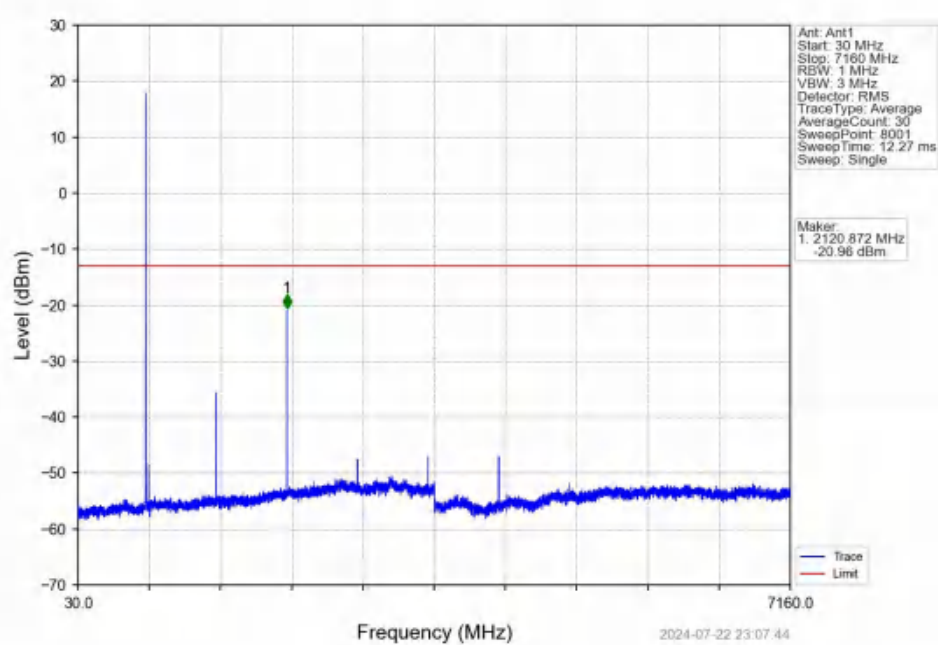
6.2.1 B12_1.4MHz



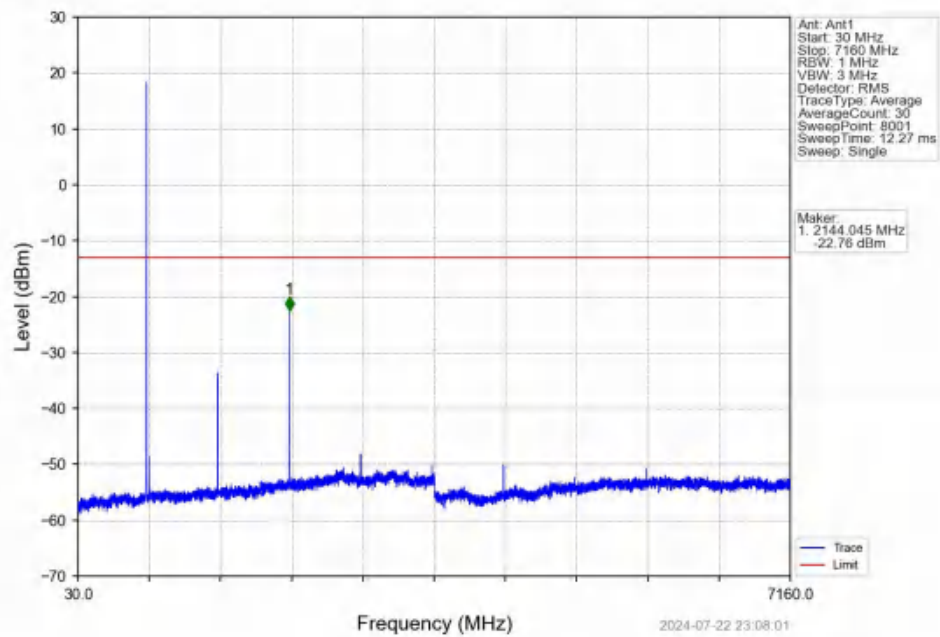
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



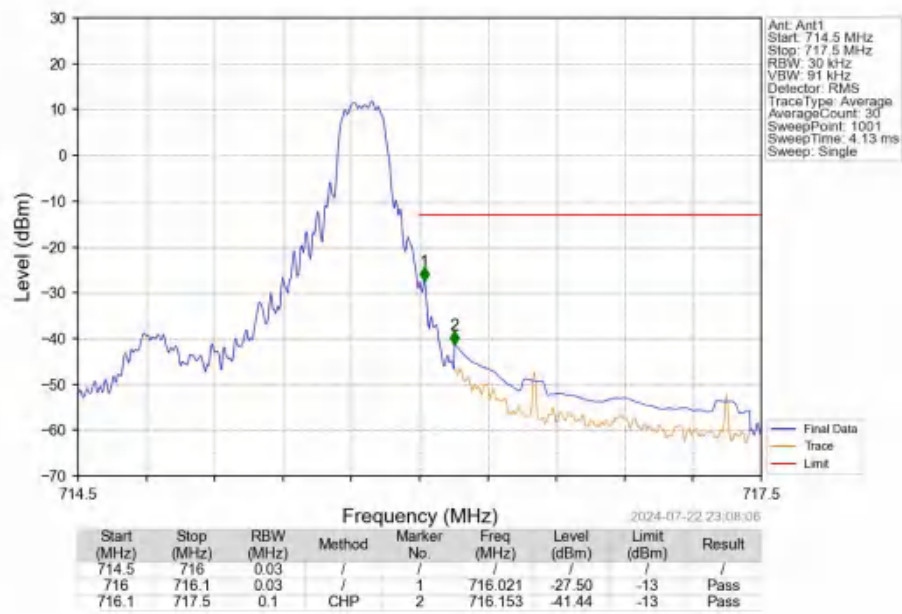
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



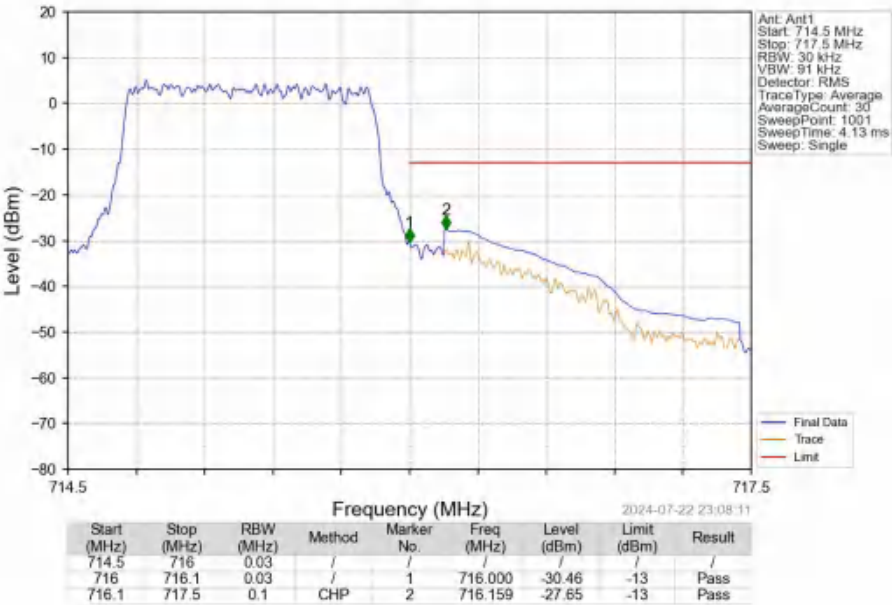
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



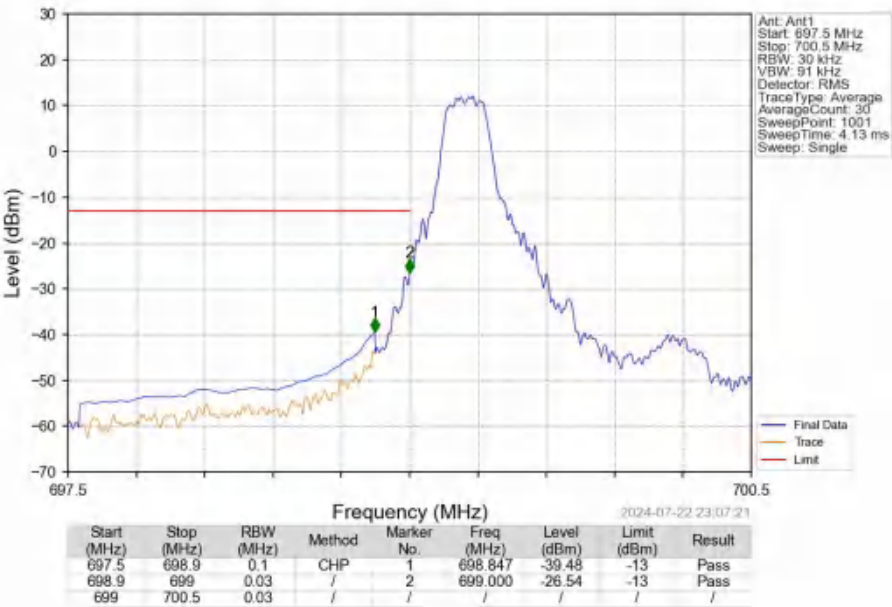
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



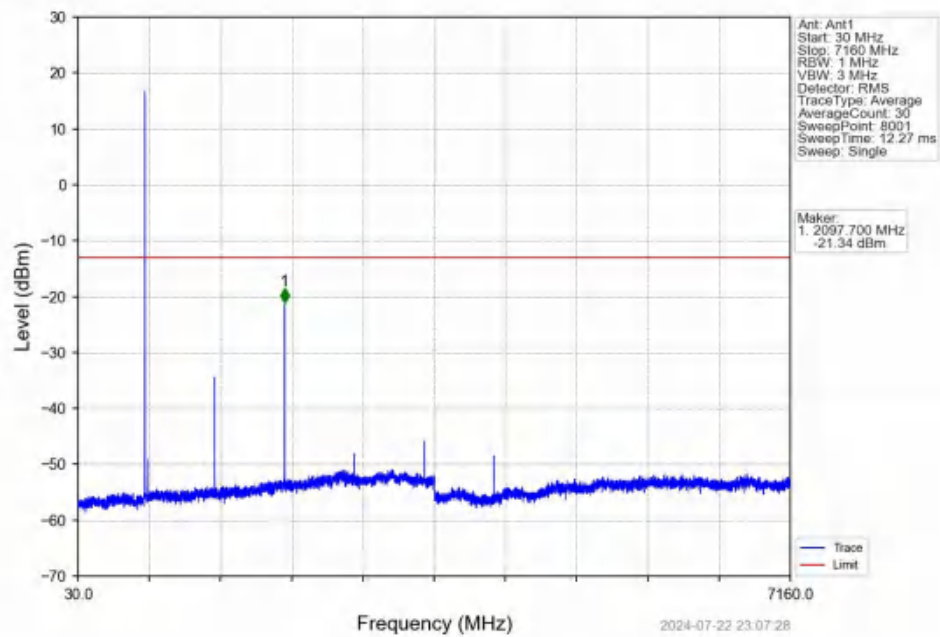
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



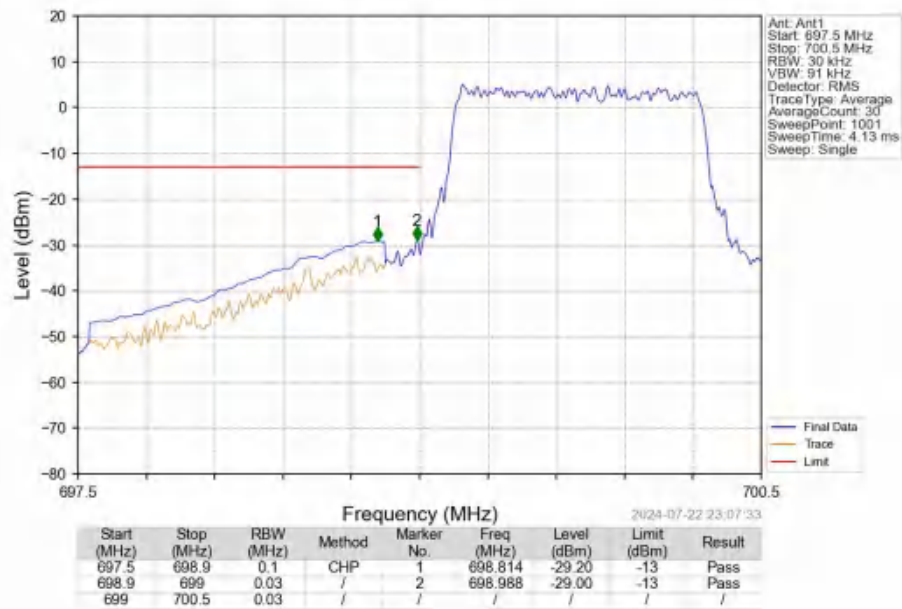
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



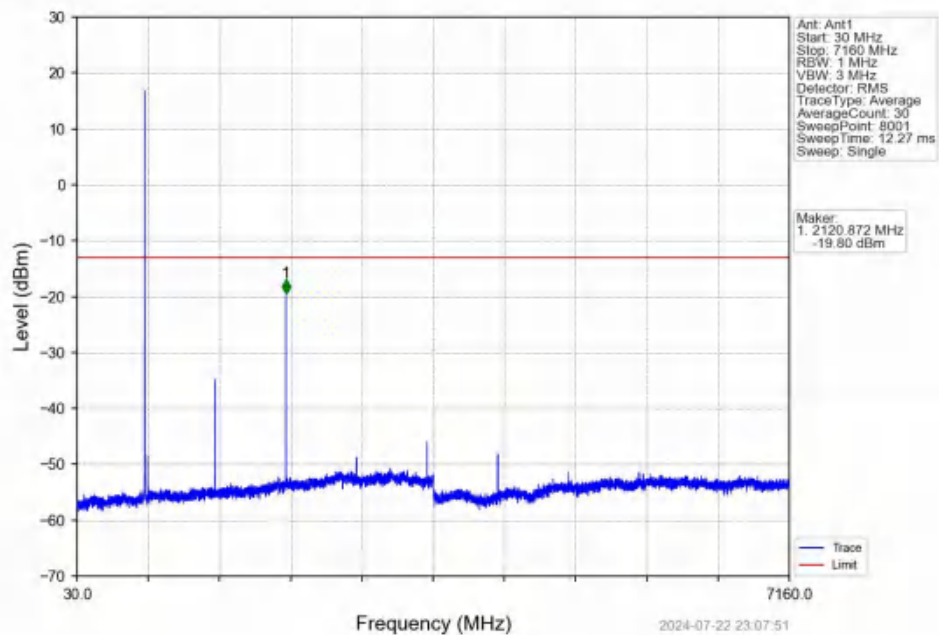
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



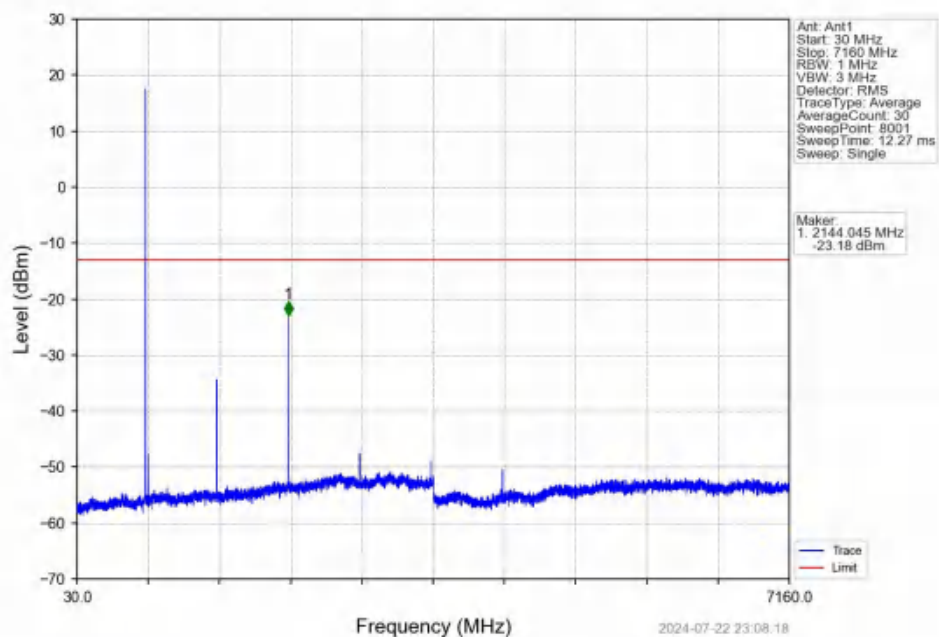
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



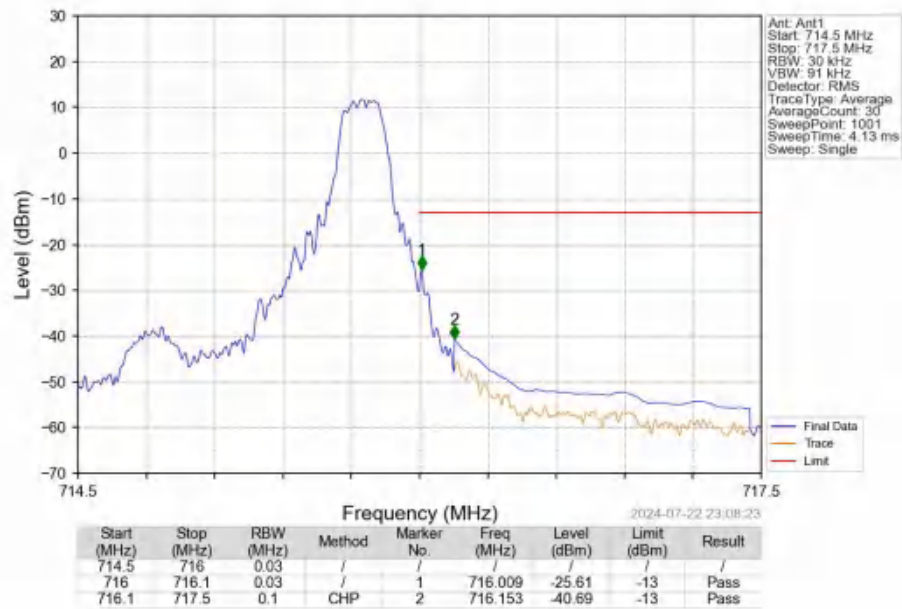
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



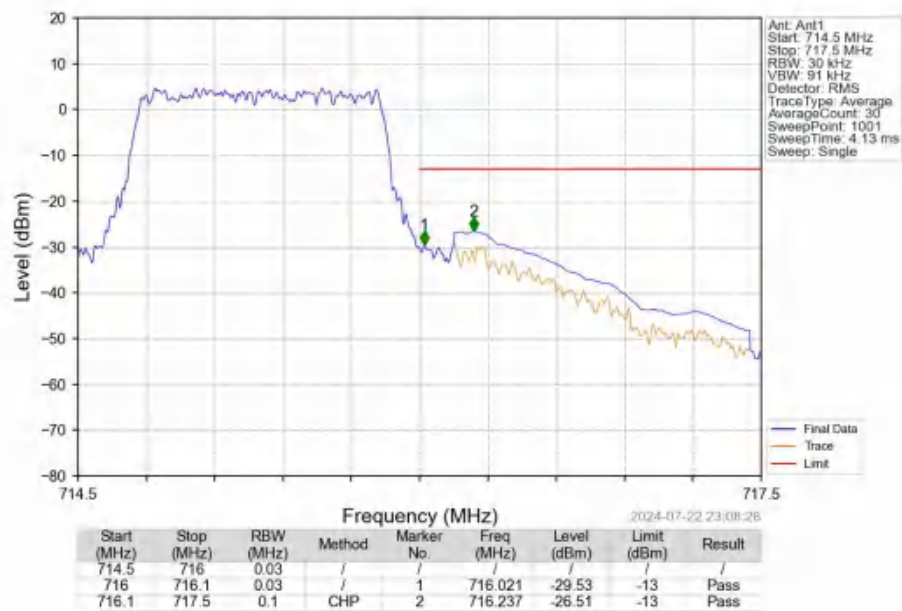
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



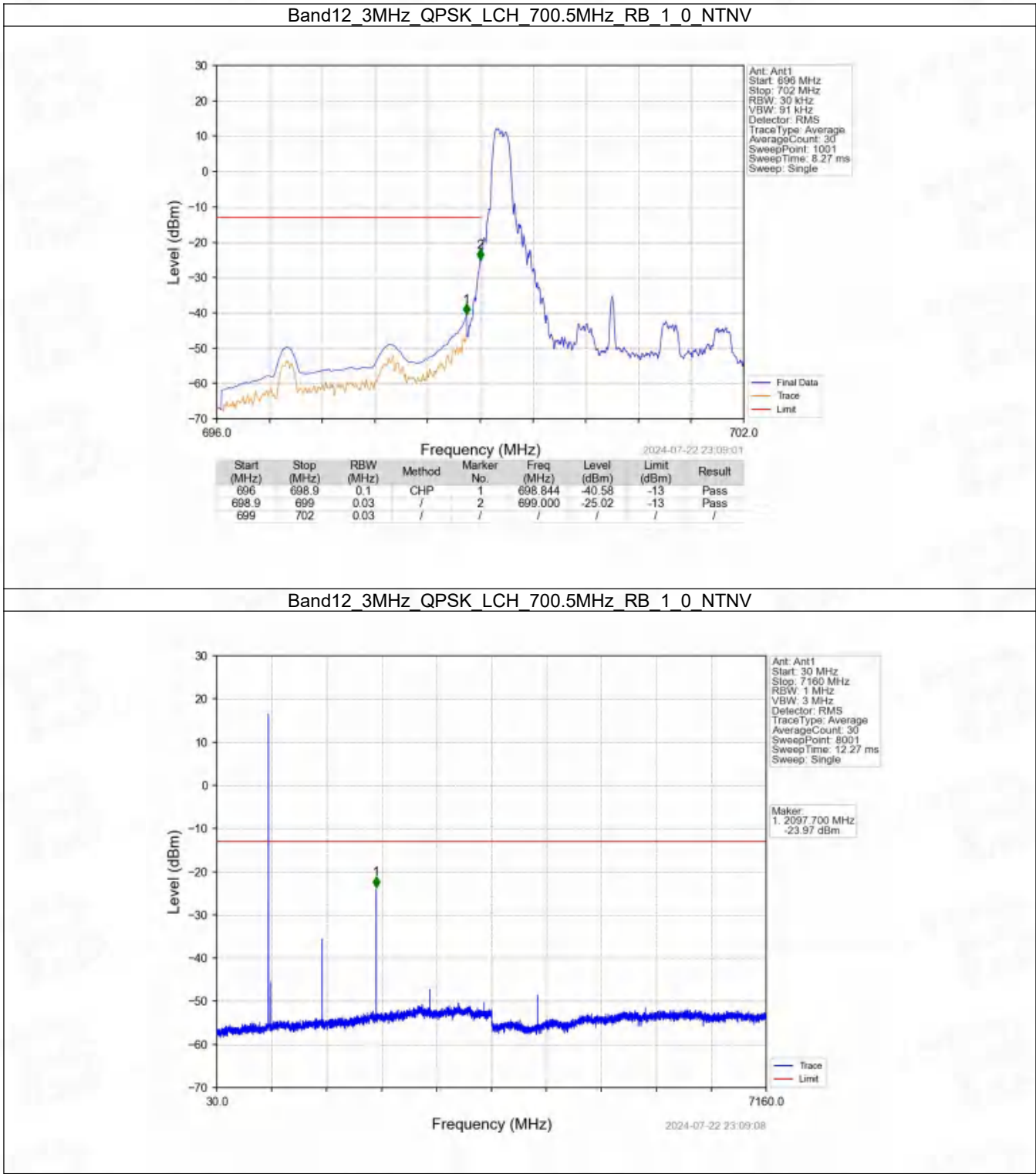
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



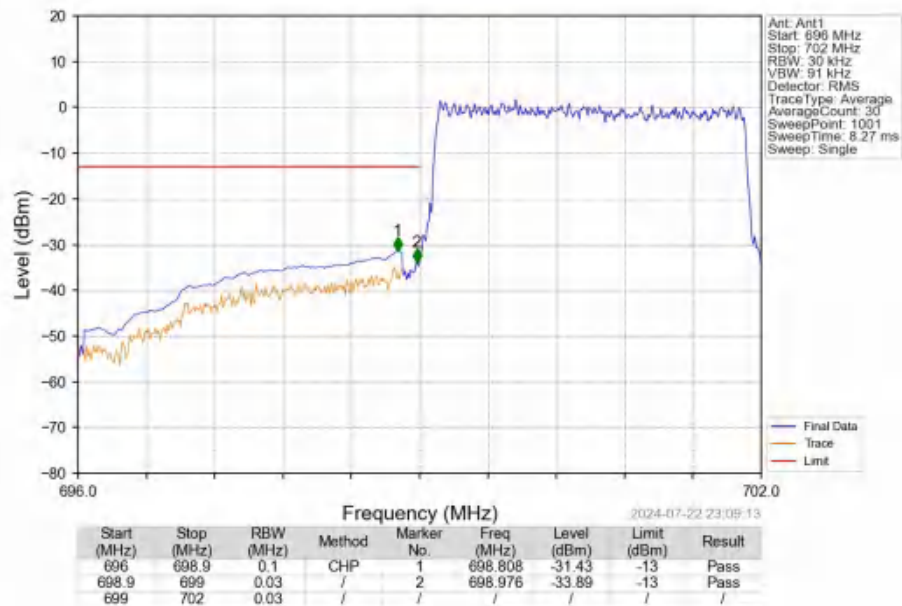
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



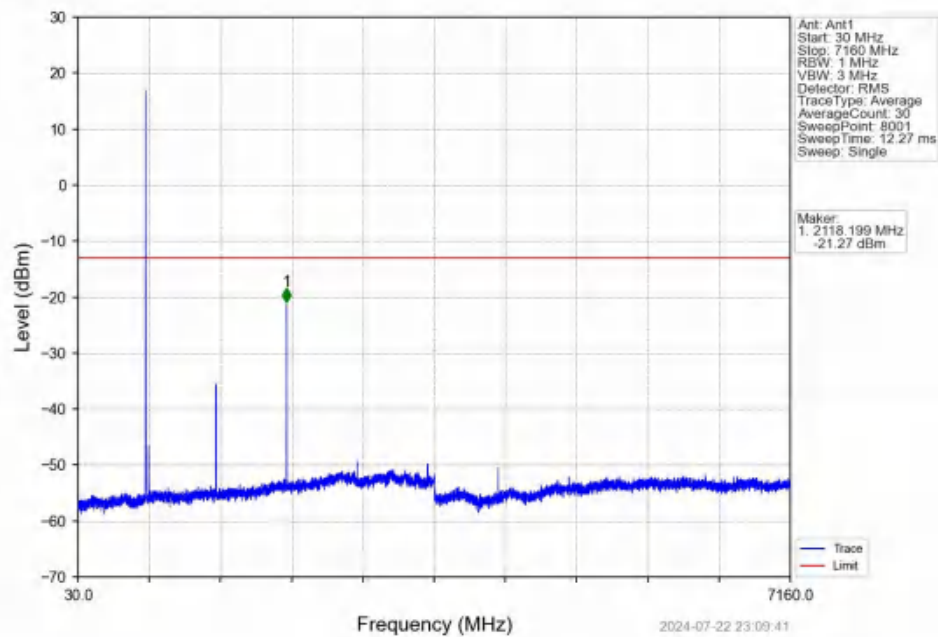
6.2.2 B12_3MHz



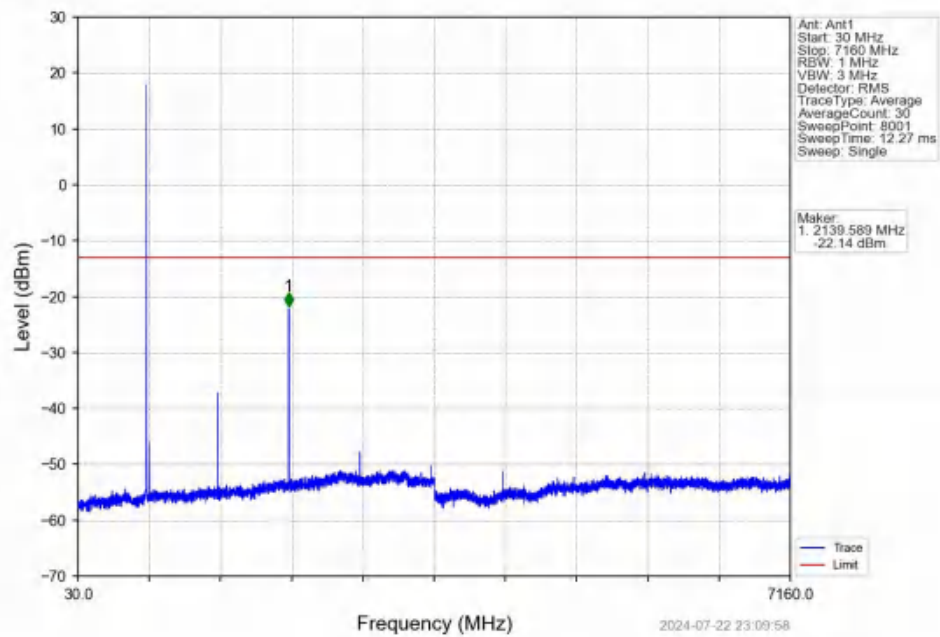
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



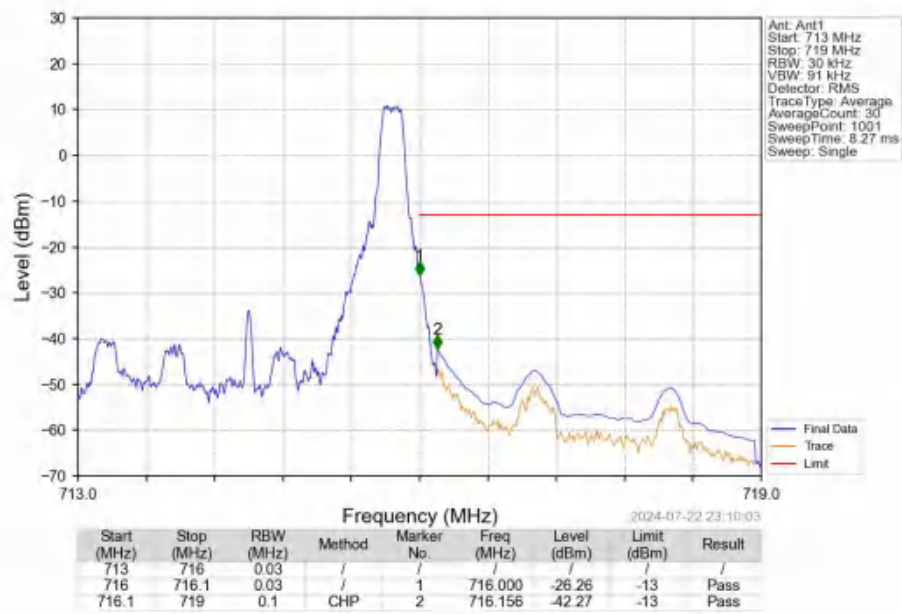
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



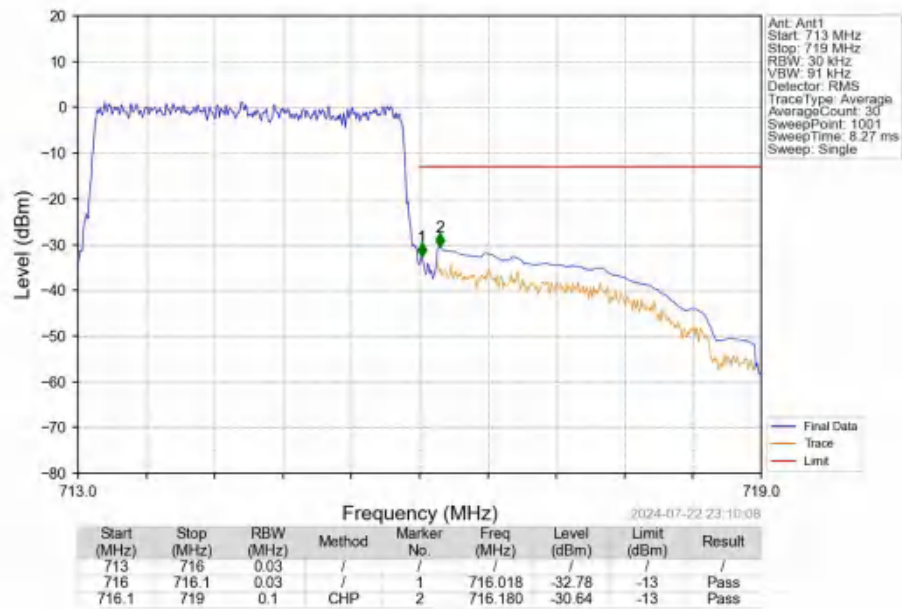
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



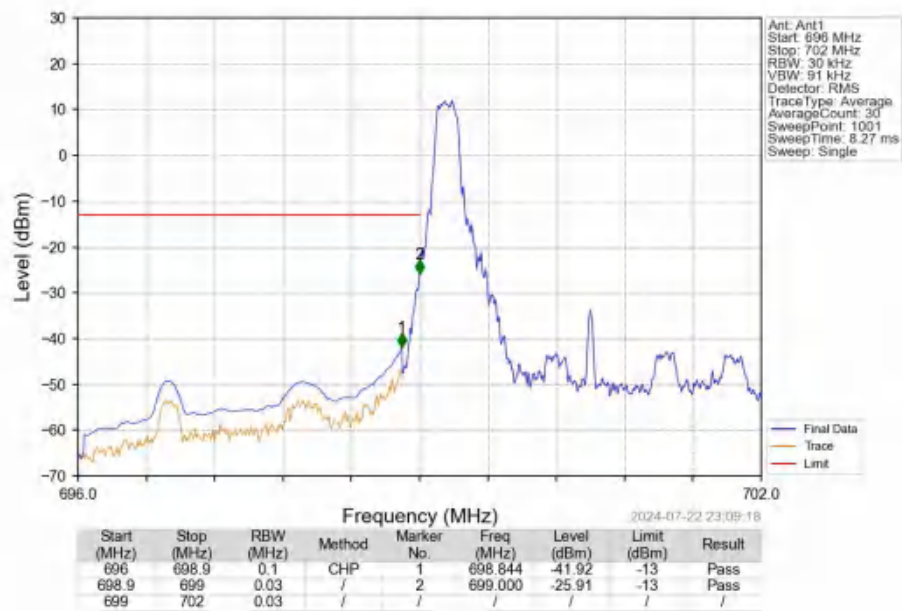
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



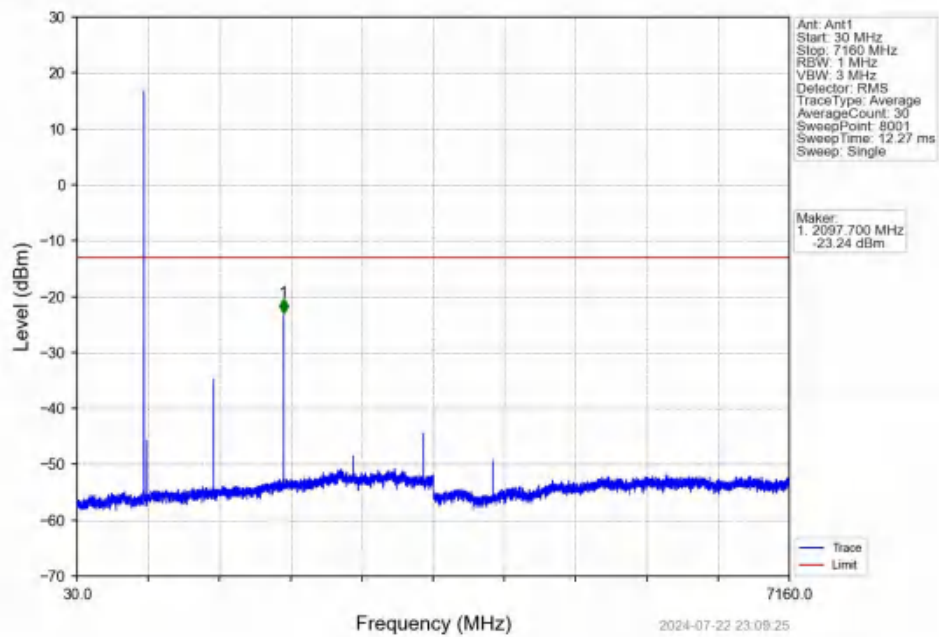
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



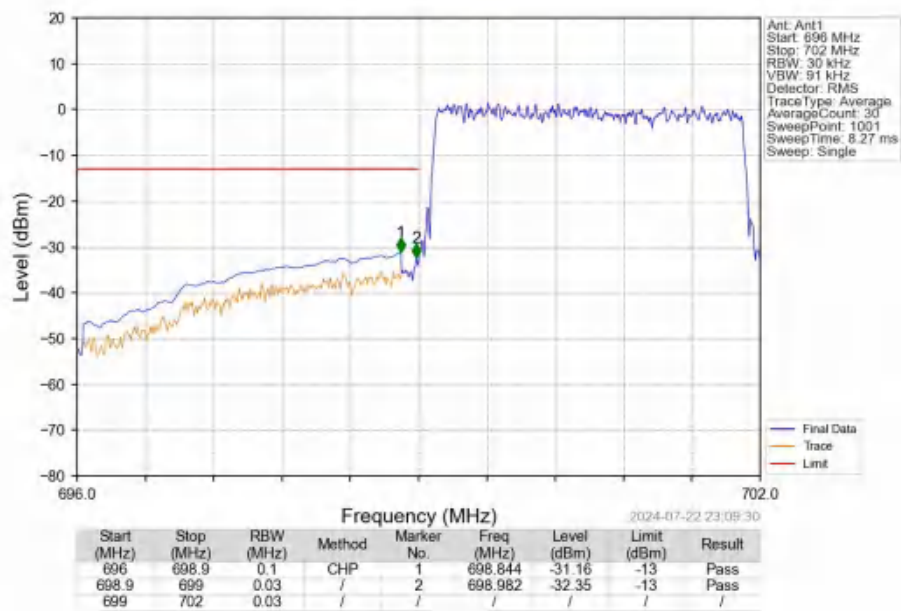
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



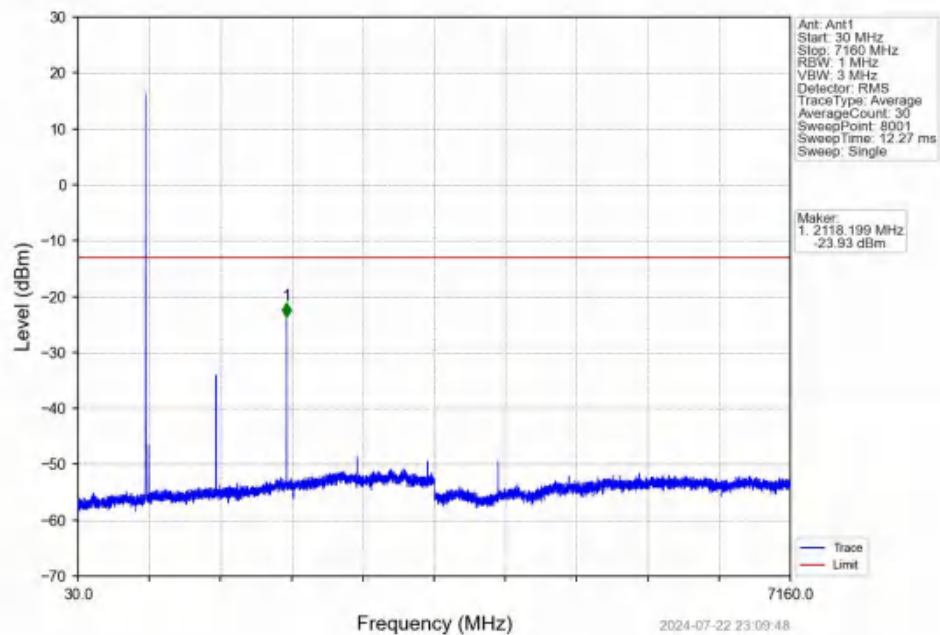
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



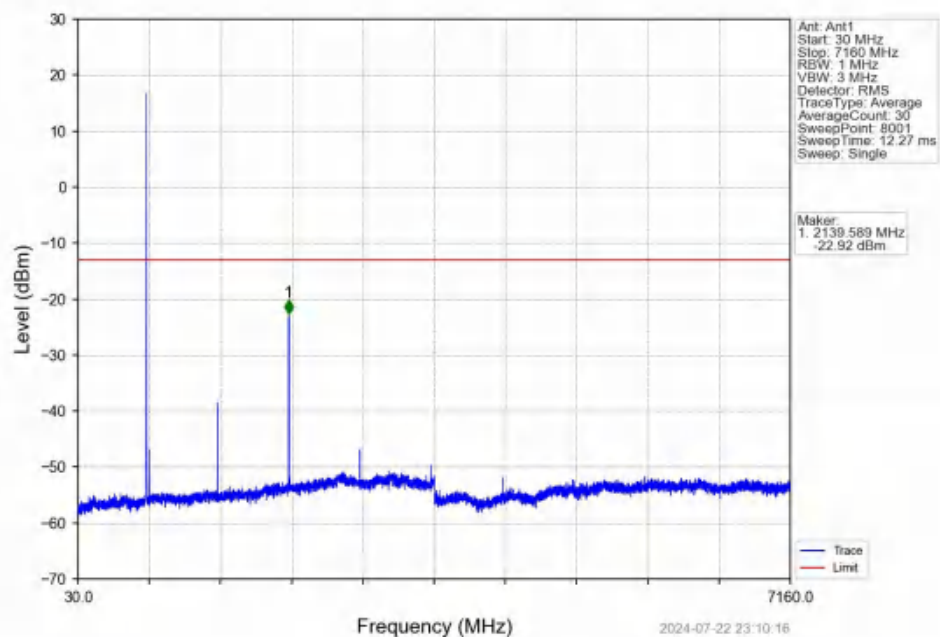
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



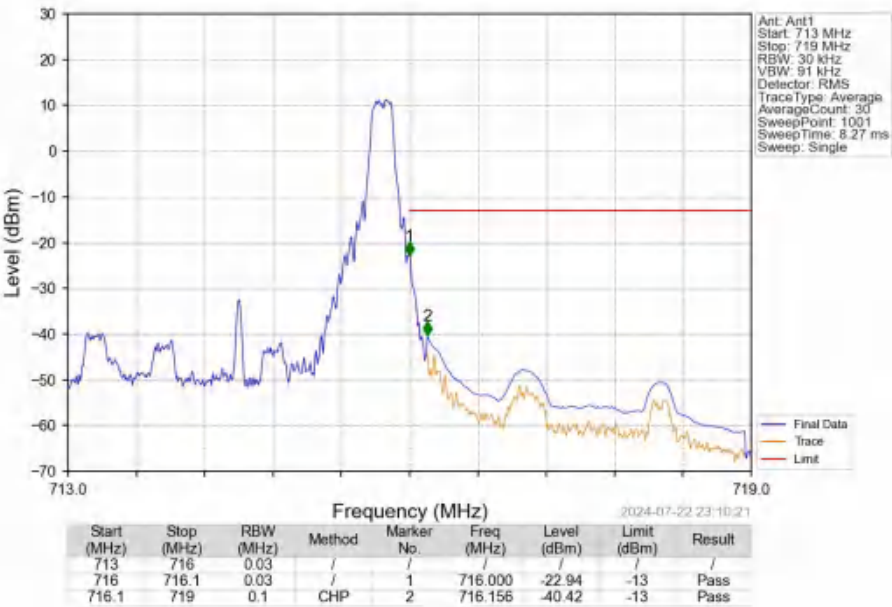
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



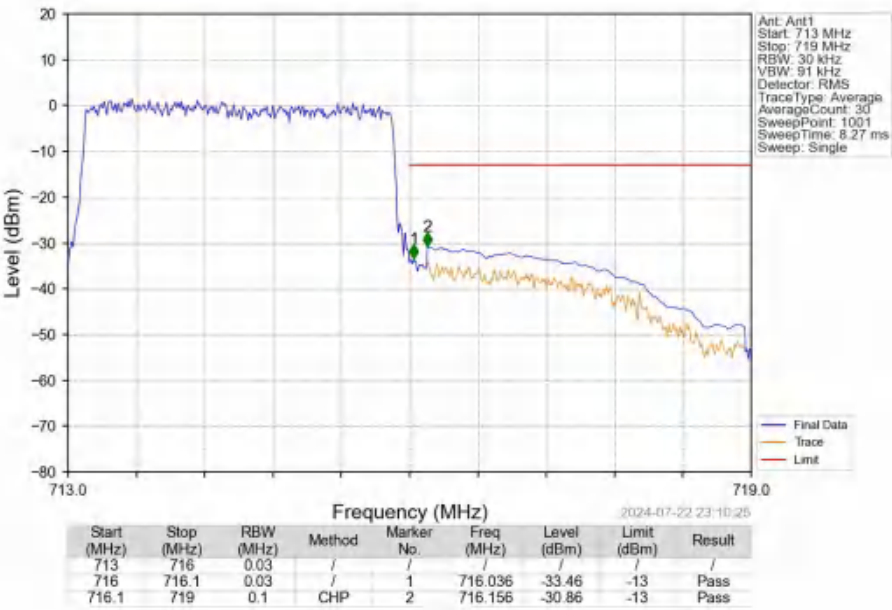
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



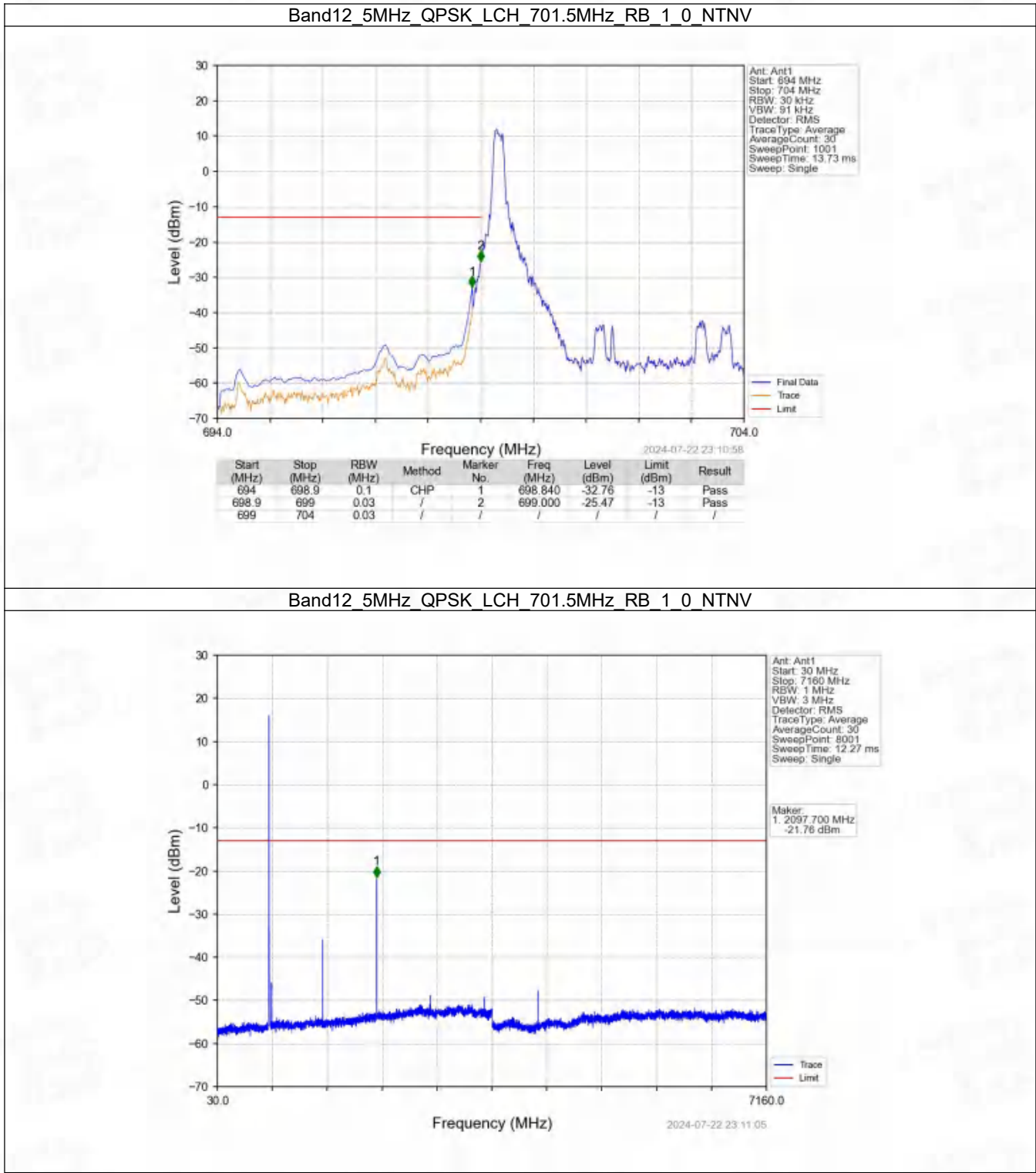
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



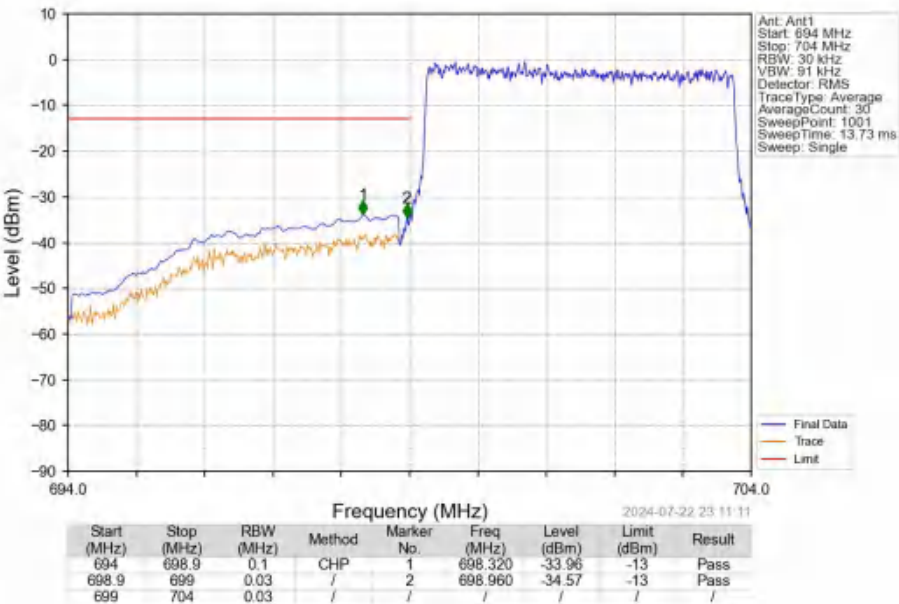
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



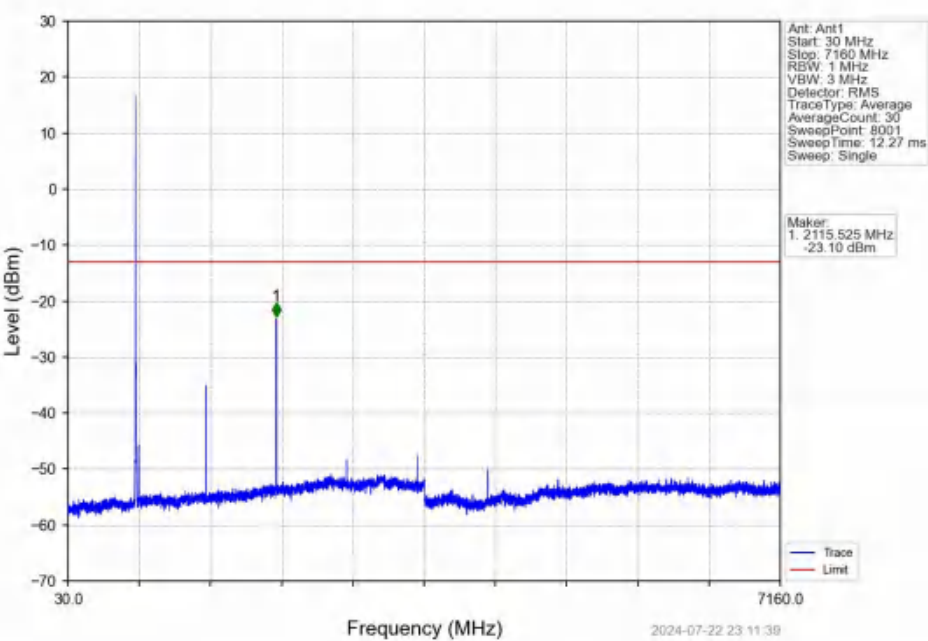
6.2.3 B12_5MHz



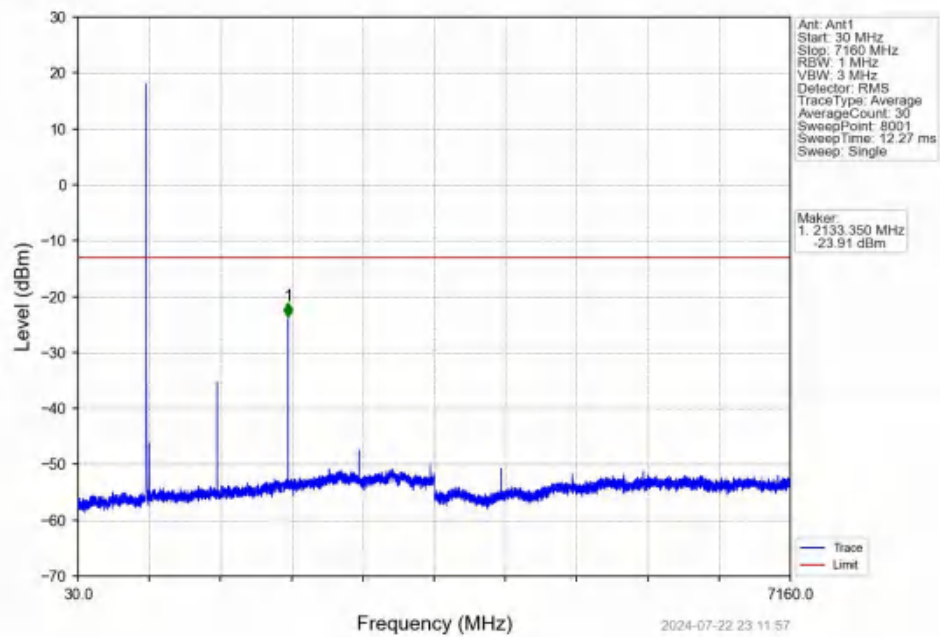
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



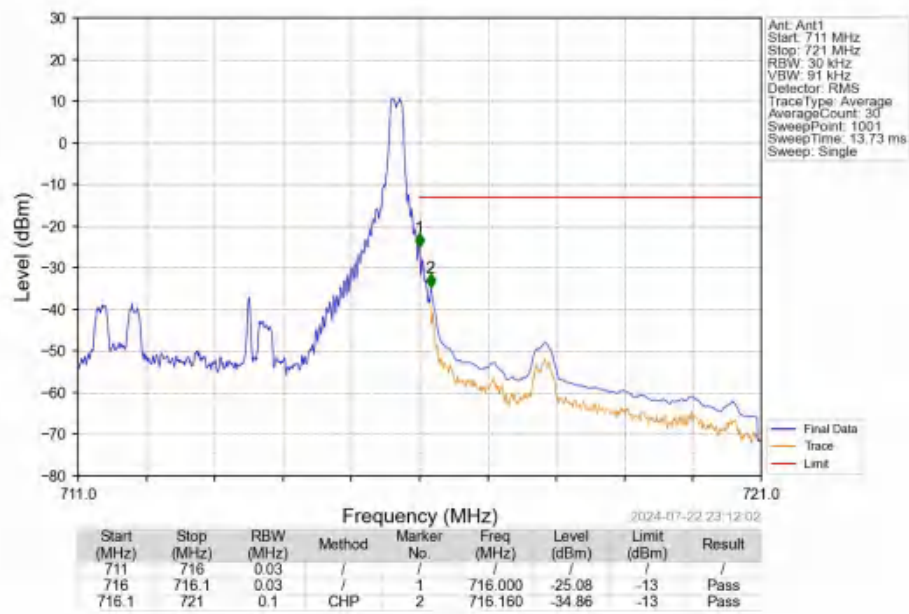
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



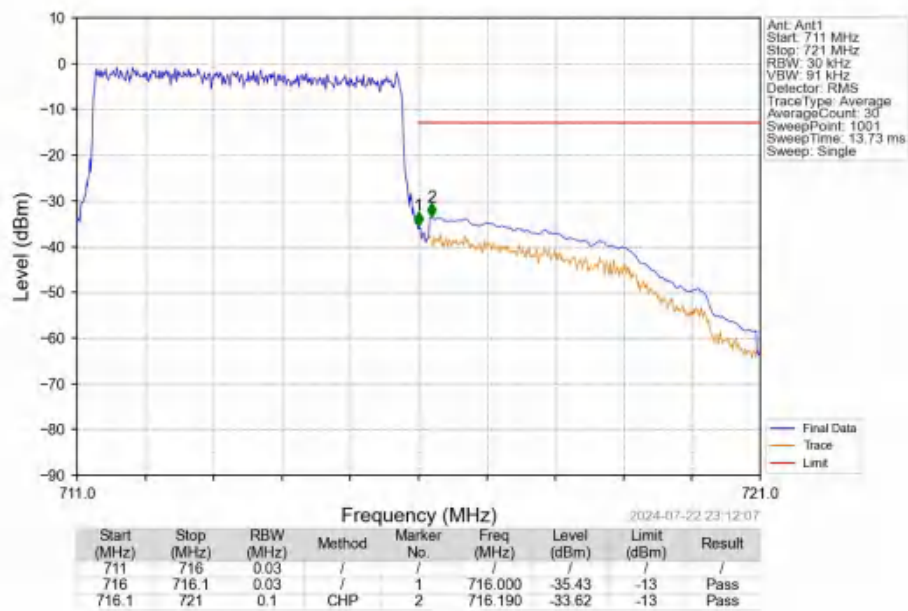
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



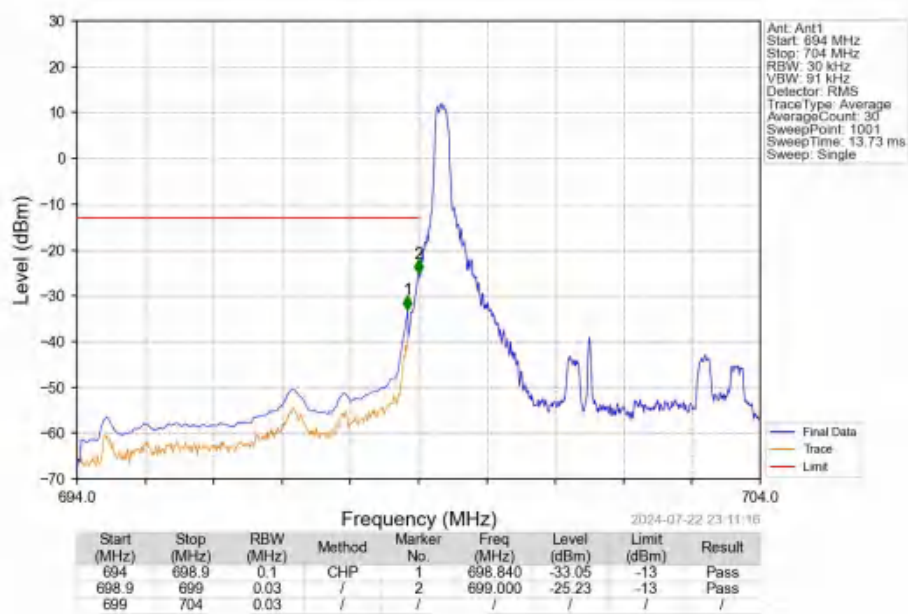
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



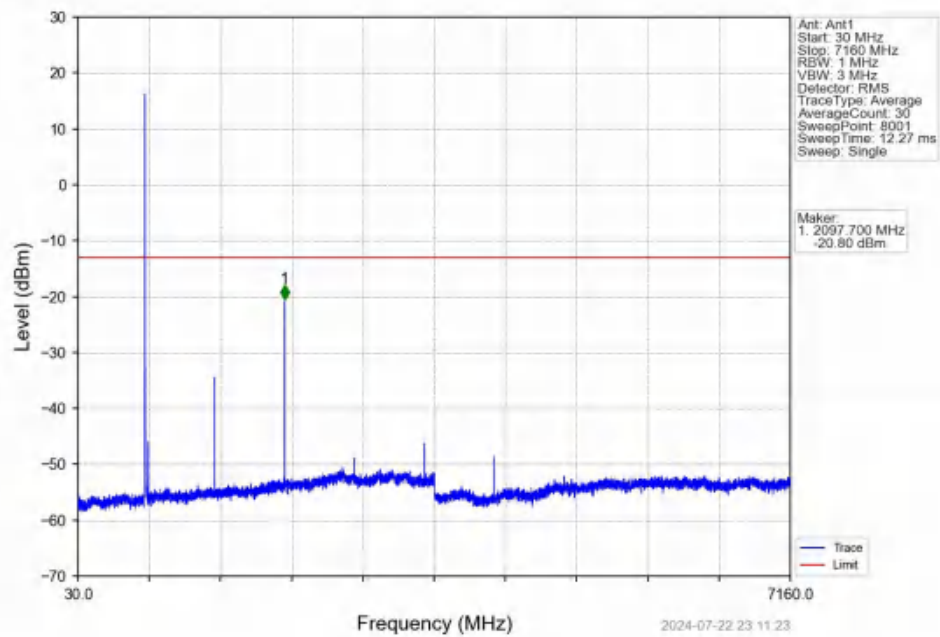
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



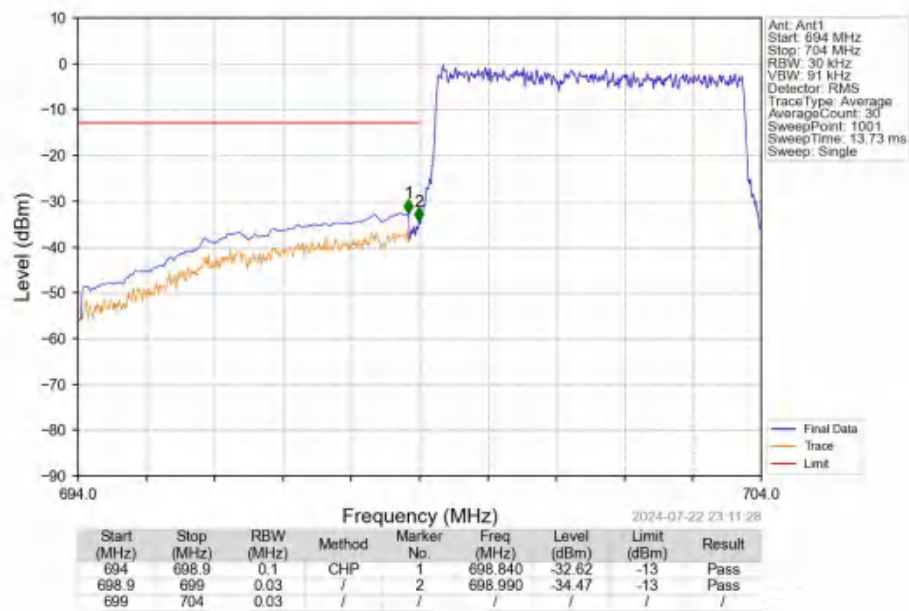
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



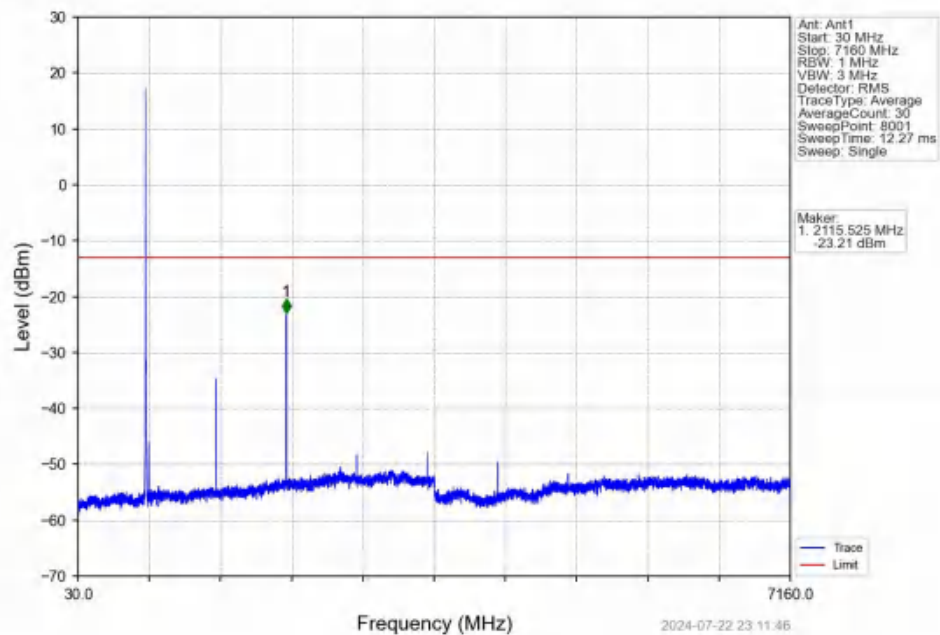
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



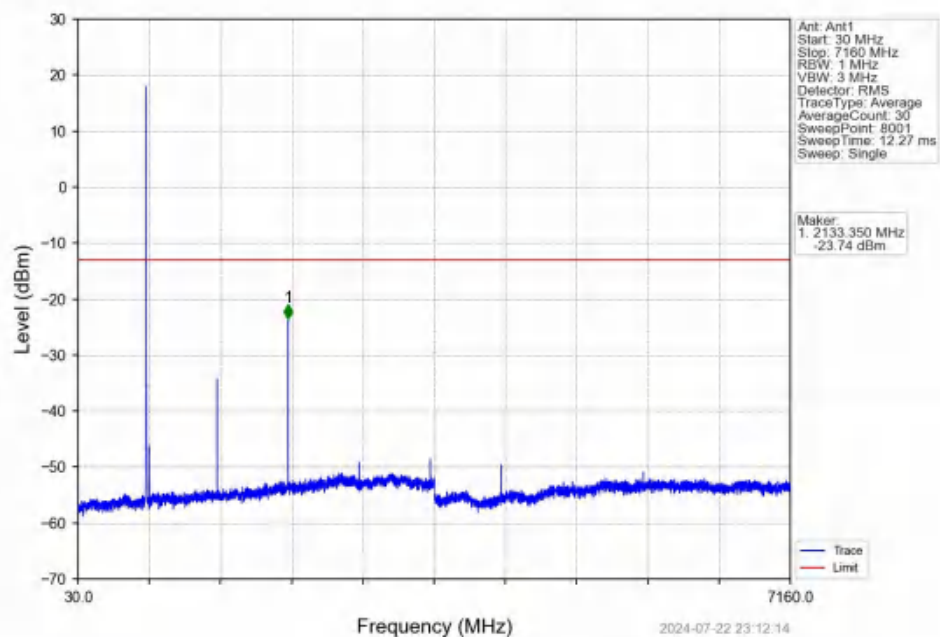
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



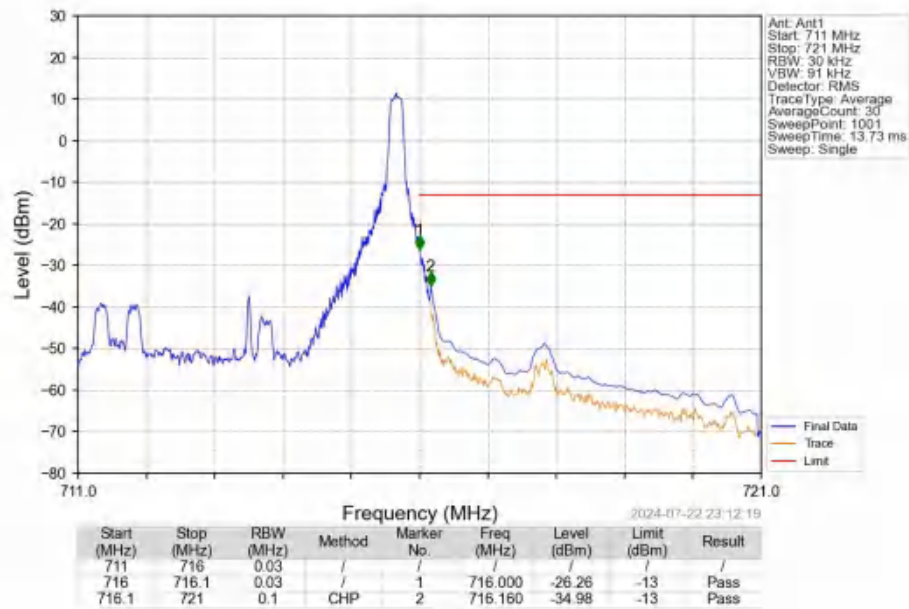
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



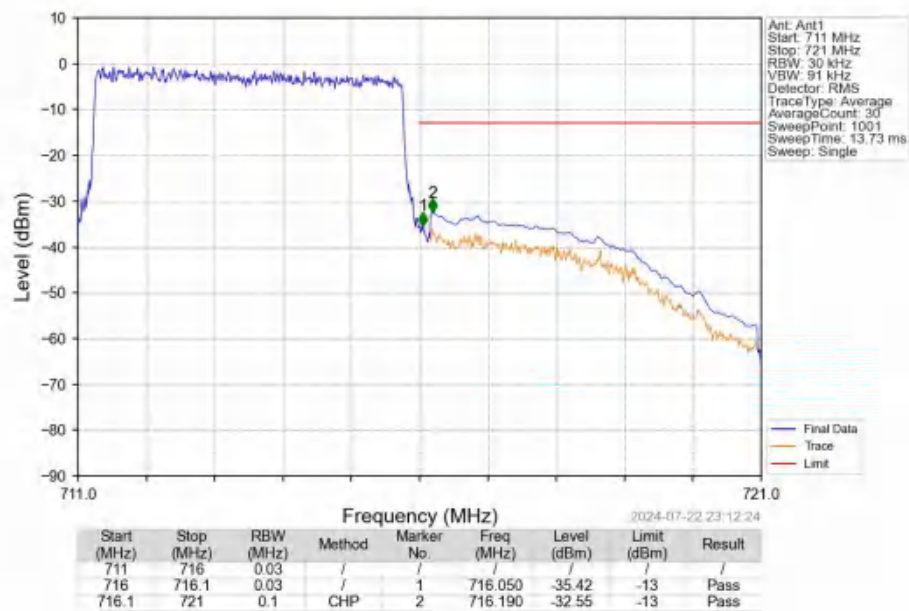
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



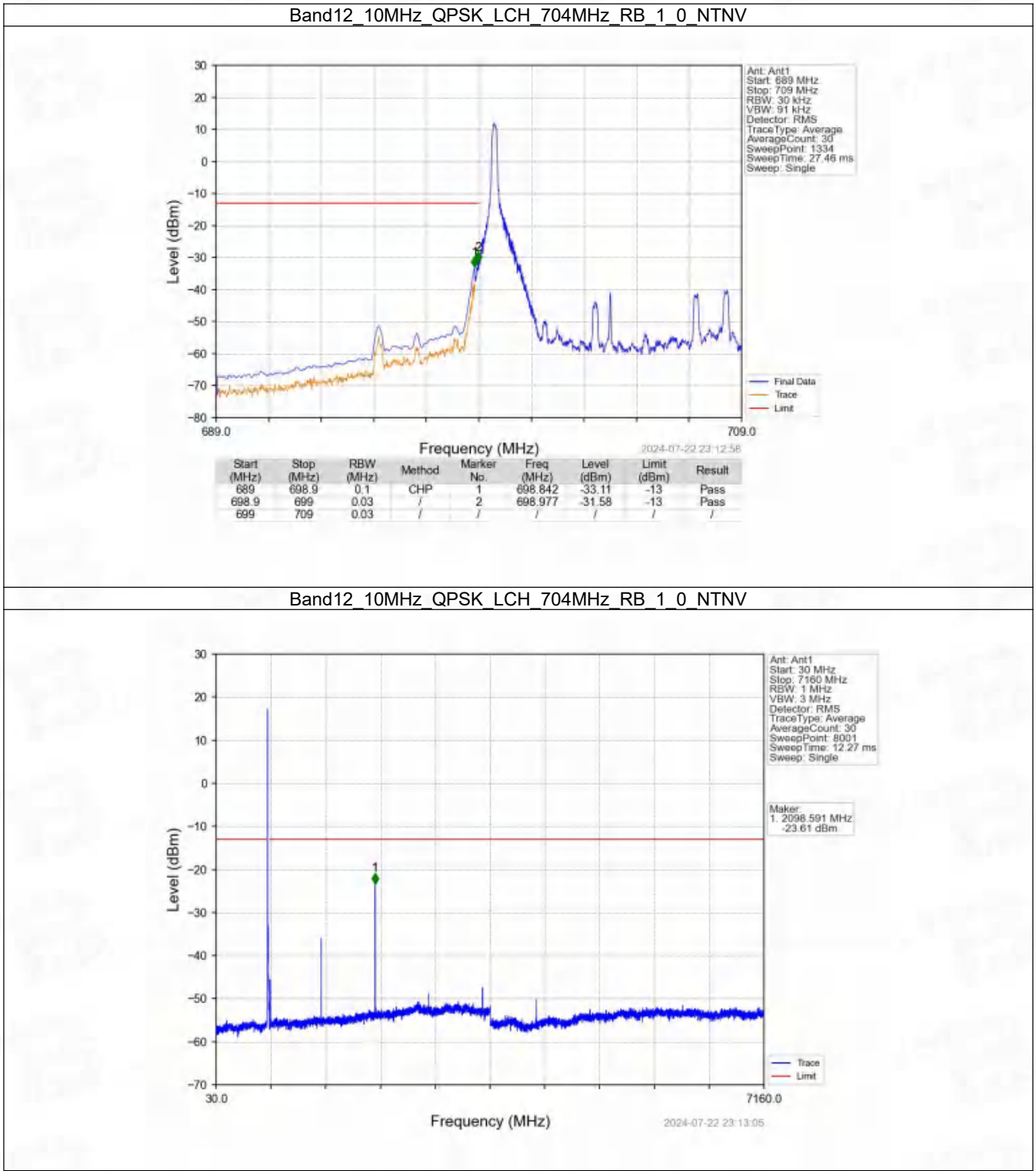
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



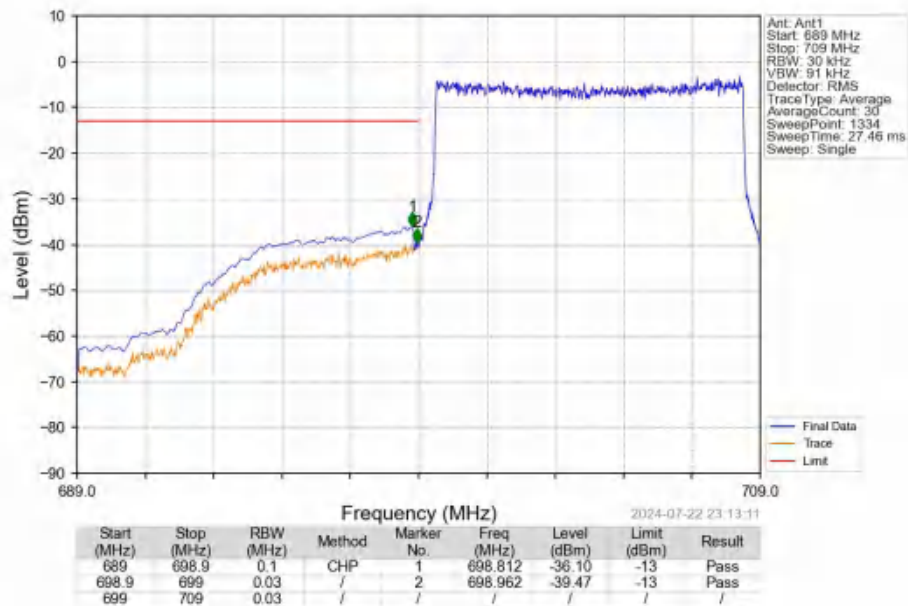
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



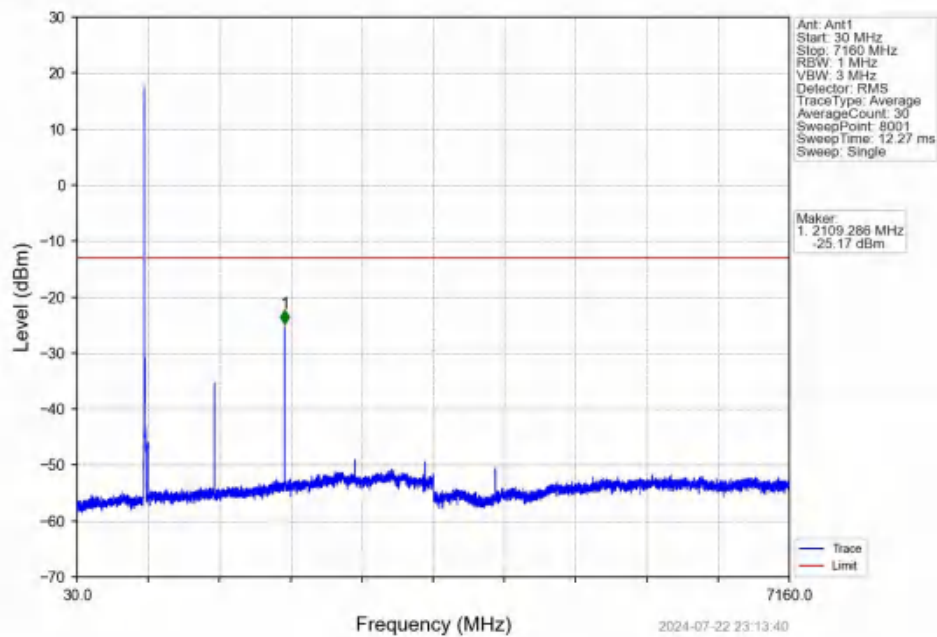
6.2.4 B12_10MHz



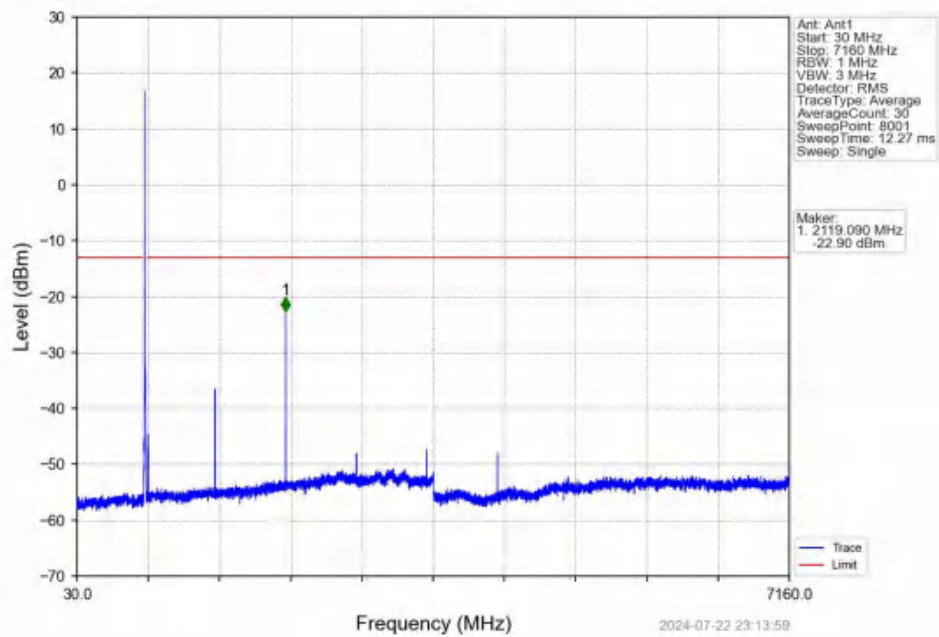
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



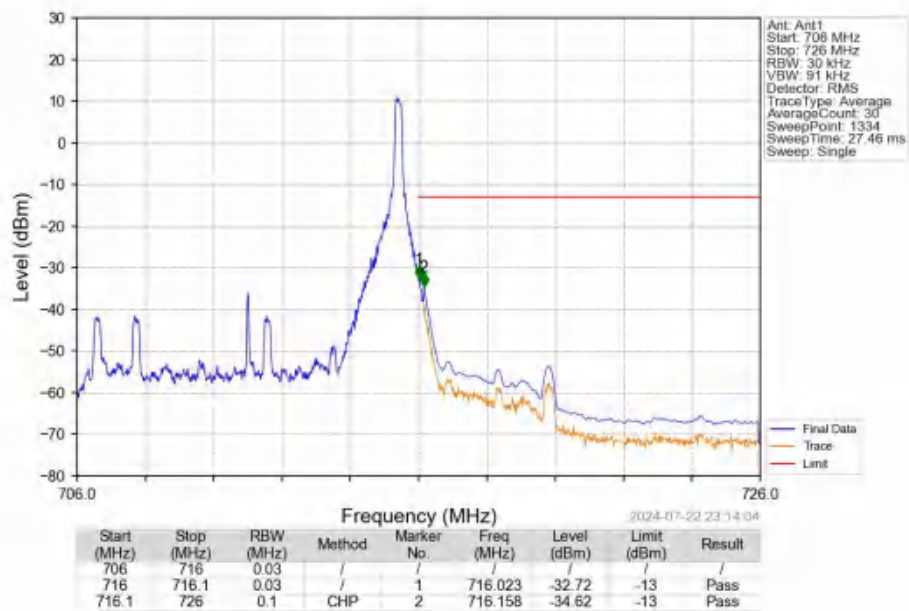
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



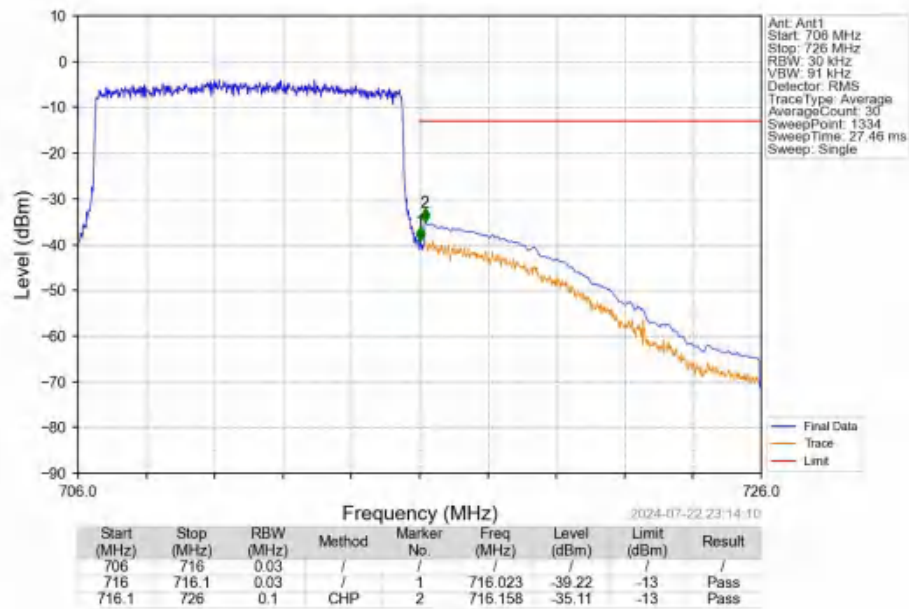
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



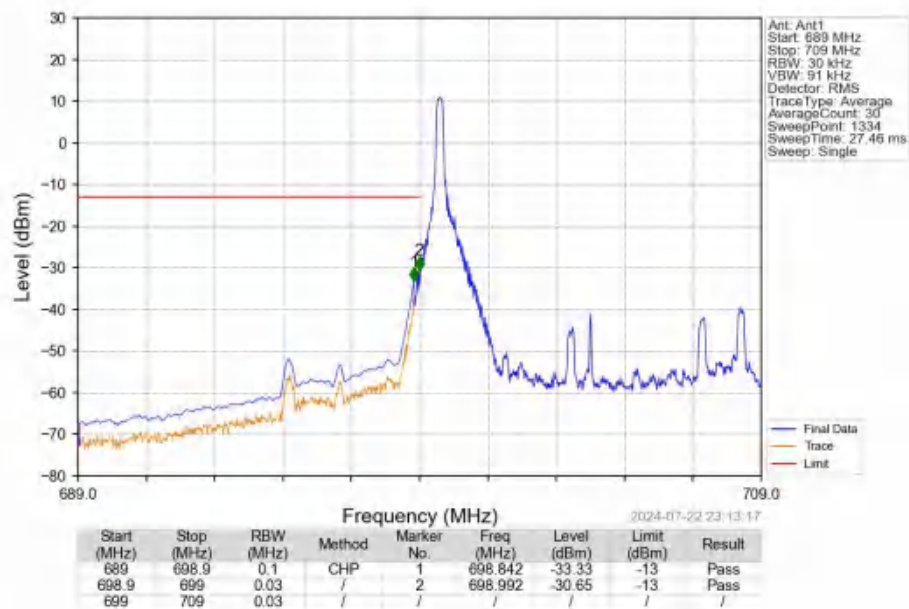
Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



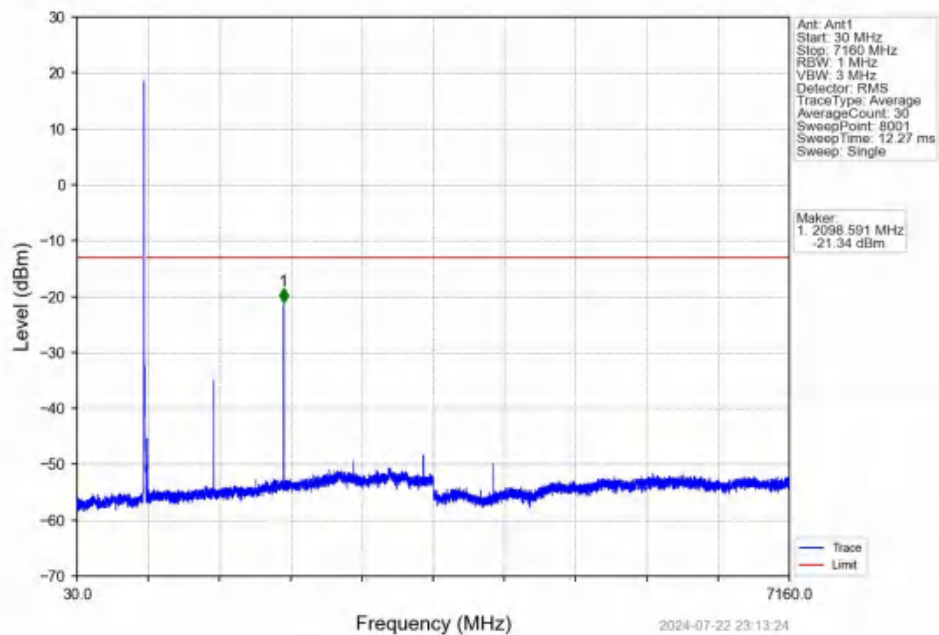
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



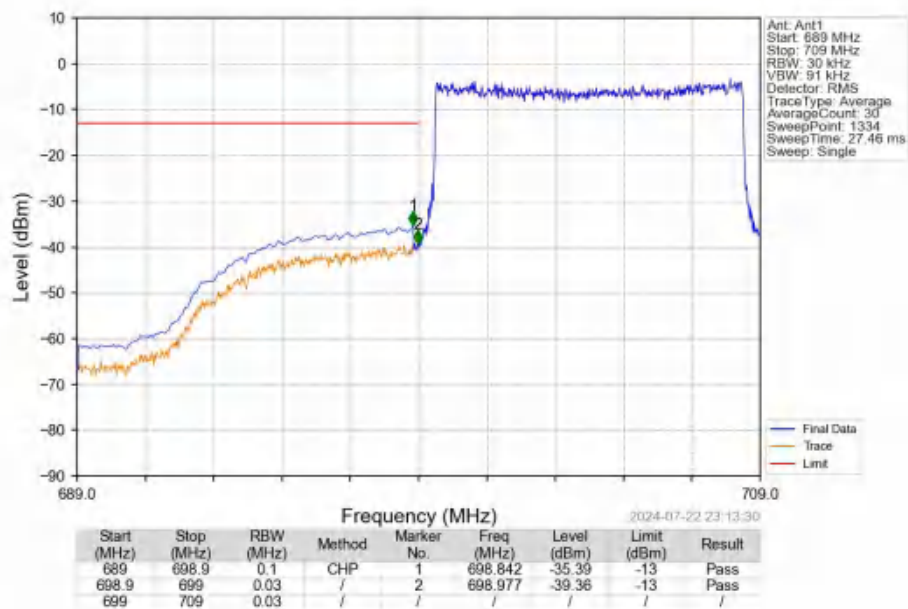
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



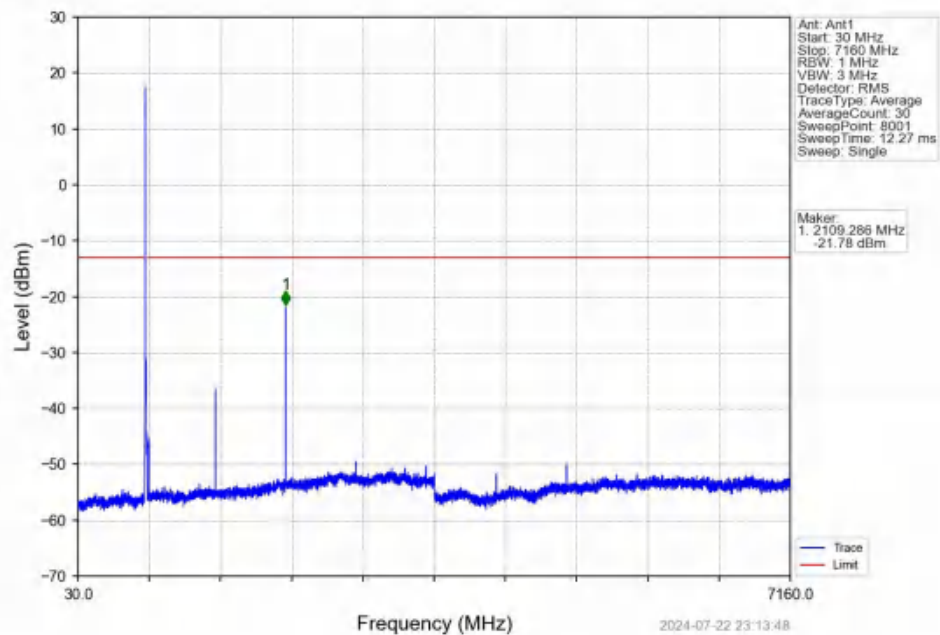
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



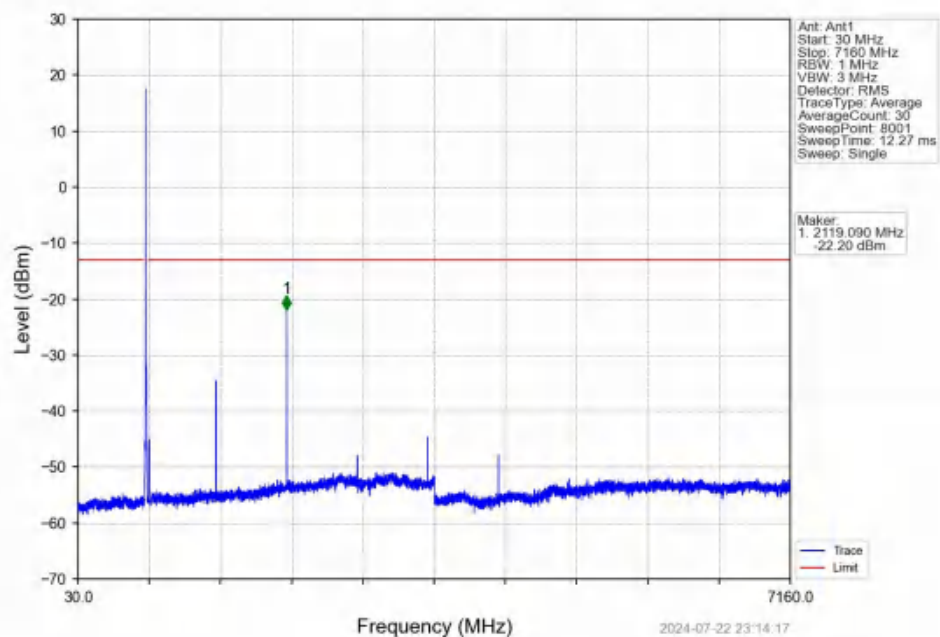
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



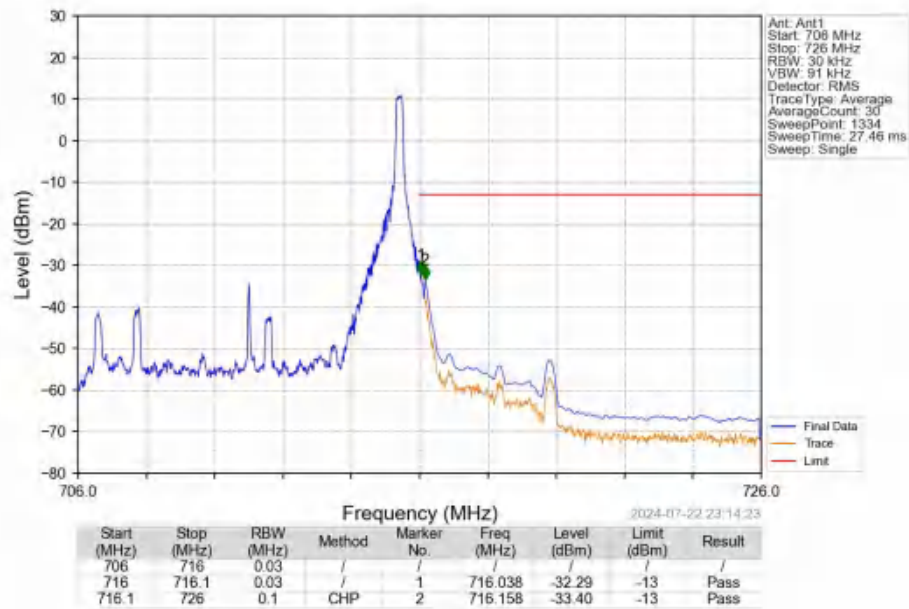
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



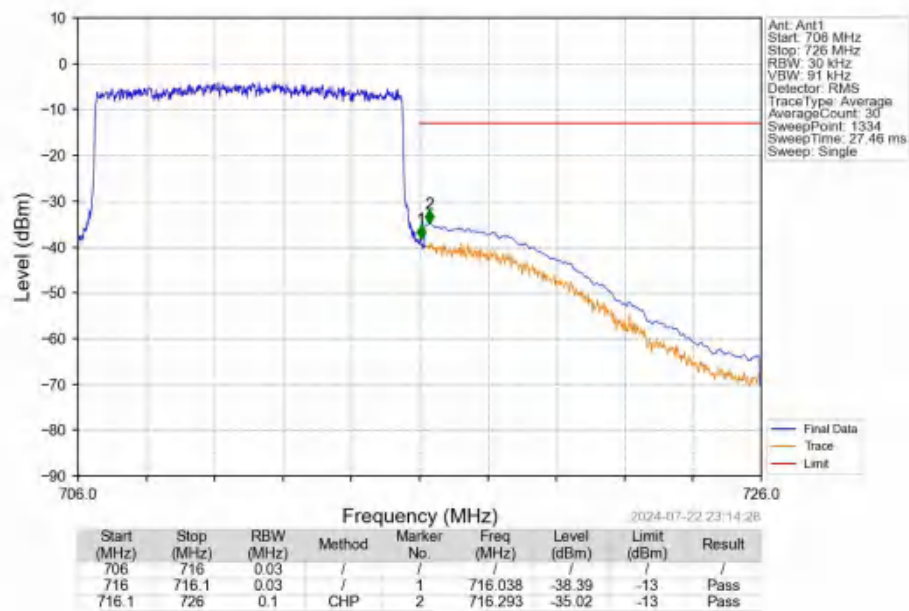
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1910	0.0102	ppm	1M12G7D	27H	22.81
12	1.4	699.7	715.3	0.1489	0.0156	ppm	1M11W7D	27H	21.73
12	3	700.5	714.5	0.0953	0.0151	ppm	2M74G7D	27H	19.79
12	3	700.5	714.5	0.0971	0.0090	ppm	2M75W7D	27H	19.87
12	5	701.5	713.5	0.0962	0.0074	ppm	4M56G7D	27H	19.83
12	5	701.5	713.5	0.0966	0.0115	ppm	4M57W7D	27H	19.85
12	10	704	711	0.0968	0.0072	ppm	9M13G7D	27H	19.86
12	10	704	711	0.0977	0.0093	ppm	9M10W7D	27H	19.90

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1021	0.0102	ppm	1M12G7D	27H	20.09
12	1.4	699.7	715.3	0.0796	0.0156	ppm	1M11W7D	27H	19.01
12	3	700.5	714.5	0.0509	0.0151	ppm	2M74G7D	27H	17.07
12	3	700.5	714.5	0.0519	0.0090	ppm	2M75W7D	27H	17.15
12	5	701.5	713.5	0.0514	0.0074	ppm	4M56G7D	27H	17.11
12	5	701.5	713.5	0.0516	0.0115	ppm	4M57W7D	27H	17.13
12	10	704	711	0.0518	0.0072	ppm	9M13G7D	27H	17.14
12	10	704	711	0.0522	0.0093	ppm	9M10W7D	27H	17.18