

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	22.09	1.28	21.22	<=34.77	Pass
			2	22.17	1.28	21.30	<=34.77	Pass
			5	22.38	1.28	21.51	<=34.77	Pass
		3	0	22.12	1.28	21.25	<=34.77	Pass
			2	22.44	1.28	21.57	<=34.77	Pass
			3	22.34	1.28	21.47	<=34.77	Pass
		6	0	21.32	1.28	20.45	<=34.77	Pass
	707.5	1	0	22.77	1.28	21.90	<=34.77	Pass
			2	22.68	1.28	21.81	<=34.77	Pass
			5	22.69	1.28	21.82	<=34.77	Pass
		3	0	22.87	1.28	22.00	<=34.77	Pass
			2	22.86	1.28	21.99	<=34.77	Pass
			3	22.72	1.28	21.85	<=34.77	Pass
		6	0	21.95	1.28	21.08	<=34.77	Pass
	715.3	1	0	22.24	1.28	21.37	<=34.77	Pass
			2	22.28	1.28	21.41	<=34.77	Pass
			5	22.63	1.28	21.76	<=34.77	Pass
		3	0	22.13	1.28	21.26	<=34.77	Pass
			2	22.39	1.28	21.52	<=34.77	Pass
			3	22.22	1.28	21.35	<=34.77	Pass
		6	0	21.23	1.28	20.36	<=34.77	Pass
16QAM	699.7	1	0	20.91	1.28	20.04	<=34.77	Pass
			2	21.09	1.28	20.22	<=34.77	Pass
			5	21.24	1.28	20.37	<=34.77	Pass
		3	0	21.38	1.28	20.51	<=34.77	Pass
			2	21.36	1.28	20.49	<=34.77	Pass
			3	21.37	1.28	20.50	<=34.77	Pass
		6	0	20.06	1.28	19.19	<=34.77	Pass
	707.5	1	0	21.64	1.28	20.77	<=34.77	Pass
			2	21.71	1.28	20.84	<=34.77	Pass
			5	21.99	1.28	21.12	<=34.77	Pass
		3	0	21.88	1.28	21.01	<=34.77	Pass
			2	22.09	1.28	21.22	<=34.77	Pass
			3	22.06	1.28	21.19	<=34.77	Pass
		6	0	20.94	1.28	20.07	<=34.77	Pass
	715.3	1	0	20.99	1.28	20.12	<=34.77	Pass
			2	21.03	1.28	20.16	<=34.77	Pass
			5	20.92	1.28	20.05	<=34.77	Pass
		3	0	21.61	1.28	20.74	<=34.77	Pass
			2	21.10	1.28	20.23	<=34.77	Pass
			3	21.18	1.28	20.31	<=34.77	Pass
		6	0	20.32	1.28	19.45	<=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 / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	22.02	1.28	21.15	<=34.77	Pass
			7	22.57	1.28	21.70	<=34.77	Pass
			14	22.45	1.28	21.58	<=34.77	Pass
		8	0	21.44	1.28	20.57	<=34.77	Pass
			4	21.52	1.28	20.65	<=34.77	Pass
			7	21.49	1.28	20.62	<=34.77	Pass
		15	0	21.53	1.28	20.66	<=34.77	Pass
	707.5	1	0	22.62	1.28	21.75	<=34.77	Pass
			7	22.94	1.28	22.07	<=34.77	Pass
			14	22.57	1.28	21.70	<=34.77	Pass
		8	0	21.76	1.28	20.89	<=34.77	Pass
			4	21.88	1.28	21.01	<=34.77	Pass
			7	21.86	1.28	20.99	<=34.77	Pass
		15	0	21.77	1.28	20.90	<=34.77	Pass
	714.5	1	0	22.73	1.28	21.86	<=34.77	Pass
			7	22.54	1.28	21.67	<=34.77	Pass
			14	22.12	1.28	21.25	<=34.77	Pass
		8	0	21.33	1.28	20.46	<=34.77	Pass
			4	21.30	1.28	20.43	<=34.77	Pass
			7	21.26	1.28	20.39	<=34.77	Pass
		15	0	21.27	1.28	20.40	<=34.77	Pass
16QAM	700.5	1	0	21.50	1.28	20.63	<=34.77	Pass
			7	21.78	1.28	20.91	<=34.77	Pass
			14	22.00	1.28	21.13	<=34.77	Pass
		8	0	20.57	1.28	19.70	<=34.77	Pass
			4	20.64	1.28	19.77	<=34.77	Pass
			7	20.65	1.28	19.78	<=34.77	Pass
		15	0	20.37	1.28	19.50	<=34.77	Pass
	707.5	1	0	22.07	1.28	21.20	<=34.77	Pass
			7	22.20	1.28	21.33	<=34.77	Pass
			14	21.94	1.28	21.07	<=34.77	Pass
		8	0	20.81	1.28	19.94	<=34.77	Pass
			4	20.86	1.28	19.99	<=34.77	Pass
			7	20.99	1.28	20.12	<=34.77	Pass
		15	0	20.97	1.28	20.10	<=34.77	Pass
	714.5	1	0	21.62	1.28	20.75	<=34.77	Pass
			7	21.81	1.28	20.94	<=34.77	Pass
			14	21.24	1.28	20.37	<=34.77	Pass
		8	0	20.26	1.28	19.39	<=34.77	Pass
			4	20.37	1.28	19.50	<=34.77	Pass
			7	20.53	1.28	19.66	<=34.77	Pass
		15	0	20.49	1.28	19.62	<=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	22.05	1.28	21.18	<=34.77	Pass

		12	13	22.36	1.28	21.49	<=34.77	Pass	
			24	22.48	1.28	21.61	<=34.77	Pass	
			0	21.47	1.28	20.60	<=34.77	Pass	
			6	21.51	1.28	20.64	<=34.77	Pass	
			13	21.44	1.28	20.57	<=34.77	Pass	
			25	0	21.37	1.28	20.50	<=34.77	Pass
	707.5	1	0	22.50	1.28	21.63	<=34.77	Pass	
			13	22.69	1.28	21.82	<=34.77	Pass	
			24	22.45	1.28	21.58	<=34.77	Pass	
		12	0	21.66	1.28	20.79	<=34.77	Pass	
			6	21.73	1.28	20.86	<=34.77	Pass	
			13	21.75	1.28	20.88	<=34.77	Pass	
	25	0	21.66	1.28	20.79	<=34.77	Pass		
	713.5	1	0	22.66	1.28	21.79	<=34.77	Pass	
			13	22.46	1.28	21.59	<=34.77	Pass	
			24	22.06	1.28	21.19	<=34.77	Pass	
		12	0	21.48	1.28	20.61	<=34.77	Pass	
			6	21.49	1.28	20.62	<=34.77	Pass	
			13	21.25	1.28	20.38	<=34.77	Pass	
	25	0	21.38	1.28	20.51	<=34.77	Pass		
	16QAM	701.5	1	0	21.12	1.28	20.25	<=34.77	Pass
				13	21.64	1.28	20.77	<=34.77	Pass
				24	21.42	1.28	20.55	<=34.77	Pass
			12	0	20.42	1.28	19.55	<=34.77	Pass
6				20.50	1.28	19.63	<=34.77	Pass	
13				20.44	1.28	19.57	<=34.77	Pass	
25		0	20.55	1.28	19.68	<=34.77	Pass		
707.5		1	0	20.96	1.28	20.09	<=34.77	Pass	
			13	21.61	1.28	20.74	<=34.77	Pass	
			24	21.55	1.28	20.68	<=34.77	Pass	
		12	0	20.62	1.28	19.75	<=34.77	Pass	
			6	20.75	1.28	19.88	<=34.77	Pass	
			13	20.67	1.28	19.80	<=34.77	Pass	
25		0	20.80	1.28	19.93	<=34.77	Pass		
713.5		1	0	21.40	1.28	20.53	<=34.77	Pass	
			13	21.25	1.28	20.38	<=34.77	Pass	
			24	21.06	1.28	20.19	<=34.77	Pass	
		12	0	20.38	1.28	19.51	<=34.77	Pass	
			6	20.50	1.28	19.63	<=34.77	Pass	
			13	20.45	1.28	19.58	<=34.77	Pass	
25		0	20.59	1.28	19.72	<=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 / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	21.98	1.28	21.11	<=34.77	Pass
			25	22.64	1.28	21.77	<=34.77	Pass
			49	22.40	1.28	21.53	<=34.77	Pass
		25	0	21.35	1.28	20.48	<=34.77	Pass
			13	21.55	1.28	20.68	<=34.77	Pass
			25	21.68	1.28	20.81	<=34.77	Pass
		50	0	21.55	1.28	20.68	<=34.77	Pass
	707.5	1	0	22.61	1.28	21.74	<=34.77	Pass
			25	22.92	1.28	22.05	<=34.77	Pass
			49	22.28	1.28	21.41	<=34.77	Pass

		25	0	21.59	1.28	20.72	<=34.77	Pass		
			13	21.81	1.28	20.94	<=34.77	Pass		
			25	21.69	1.28	20.82	<=34.77	Pass		
			50	0	21.60	1.28	20.73	<=34.77	Pass	
				1	0	22.69	1.28	21.82	<=34.77	Pass
					25	22.85	1.28	21.98	<=34.77	Pass
			49		22.01	1.28	21.14	<=34.77	Pass	
			25	0	21.63	1.28	20.76	<=34.77	Pass	
				13	21.80	1.28	20.93	<=34.77	Pass	
				25	21.57	1.28	20.70	<=34.77	Pass	
			50	0	21.62	1.28	20.75	<=34.77	Pass	
			16QAM	704	1	0	20.74	1.28	19.87	<=34.77
25	21.45					1.28	20.58	<=34.77	Pass	
49	21.30					1.28	20.43	<=34.77	Pass	
25	0				20.34	1.28	19.47	<=34.77	Pass	
	13	20.62			1.28	19.75	<=34.77	Pass		
	25	20.66			1.28	19.79	<=34.77	Pass		
50	0	20.57			1.28	19.70	<=34.77	Pass		
707.5	1	0			21.99	1.28	21.12	<=34.77	Pass	
		25			22.83	1.28	21.96	<=34.77	Pass	
		49		21.85	1.28	20.98	<=34.77	Pass		
	25	0		20.73	1.28	19.86	<=34.77	Pass		
		13		21.01	1.28	20.14	<=34.77	Pass		
		25		20.88	1.28	20.01	<=34.77	Pass		
	50	0		20.71	1.28	19.84	<=34.77	Pass		
	711	1		0	22.03	1.28	21.16	<=34.77	Pass	
				25	22.27	1.28	21.40	<=34.77	Pass	
49				21.85	1.28	20.98	<=34.77	Pass		
25		0		20.90	1.28	20.03	<=34.77	Pass		
		13		20.91	1.28	20.04	<=34.77	Pass		
		25		20.64	1.28	19.77	<=34.77	Pass		
50		0		20.65	1.28	19.78	<=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	-0.601	-0.0009	-2.5 to 2.5	Pass
					12	0.744	0.0011	-2.5 to 2.5	Pass
					13.8	0.572	0.0008	-2.5 to 2.5	Pass
				-30	12	-0.801	-0.0011	-2.5 to 2.5	Pass
				-20	12	-1.073	-0.0015	-2.5 to 2.5	Pass
				-10	12	0.057	0.0001	-2.5 to 2.5	Pass
				0	12	-0.401	-0.0006	-2.5 to 2.5	Pass
				10	12	-0.744	-0.0011	-2.5 to 2.5	Pass
				30	12	-2.275	-0.0033	-2.5 to 2.5	Pass
				40	12	-0.787	-0.0011	-2.5 to 2.5	Pass
				50	12	-1.073	-0.0015	-2.5 to 2.5	Pass
	707.5	6	0	20	10.2	-0.386	-0.0005	-2.5 to 2.5	Pass
					12	-1.202	-0.0017	-2.5 to 2.5	Pass
					13.8	-0.730	-0.0010	-2.5 to 2.5	Pass
				-30	12	-0.257	-0.0004	-2.5 to 2.5	Pass
				-20	12	-1.616	-0.0023	-2.5 to 2.5	Pass

	715.3	6	0	-10	12	-0.901	-0.0013	-2.5 to 2.5	Pass
				0	12	-0.429	-0.0006	-2.5 to 2.5	Pass
				10	12	-0.257	-0.0004	-2.5 to 2.5	Pass
				30	12	-0.358	-0.0005	-2.5 to 2.5	Pass
				40	12	-0.844	-0.0012	-2.5 to 2.5	Pass
				50	12	-1.373	-0.0019	-2.5 to 2.5	Pass
				20	10.2	-0.758	-0.0011	-2.5 to 2.5	Pass
					12	-0.701	-0.0010	-2.5 to 2.5	Pass
					13.8	0.486	0.0007	-2.5 to 2.5	Pass
				-30	12	-0.501	-0.0007	-2.5 to 2.5	Pass
	699.7	6	0	-20	12	-0.272	-0.0004	-2.5 to 2.5	Pass
				-10	12	-0.715	-0.0010	-2.5 to 2.5	Pass
				0	12	-0.772	-0.0011	-2.5 to 2.5	Pass
				10	12	0.086	0.0001	-2.5 to 2.5	Pass
				30	12	-0.858	-0.0012	-2.5 to 2.5	Pass
				40	12	-0.257	-0.0004	-2.5 to 2.5	Pass
				50	12	-0.544	-0.0008	-2.5 to 2.5	Pass
				20	10.2	-0.386	-0.0006	-2.5 to 2.5	Pass
					12	0.072	0.0001	-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	0.358	0.0005	-2.5 to 2.5	Pass
				-20	12	0.644	0.0009	-2.5 to 2.5	Pass
				-10	12	0.186	0.0003	-2.5 to 2.5	Pass
				0	12	0.229	0.0003	-2.5 to 2.5	Pass
				10	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				30	12	-0.815	-0.0012	-2.5 to 2.5	Pass
				40	12	-0.644	-0.0009	-2.5 to 2.5	Pass
				50	12	0.300	0.0004	-2.5 to 2.5	Pass
				20	10.2	-1.731	-0.0024	-2.5 to 2.5	Pass
					12	-1.116	-0.0016	-2.5 to 2.5	Pass
					13.8	0.014	0.0000	-2.5 to 2.5	Pass
	715.3	6	0	-30	12	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.658	-0.0009	-2.5 to 2.5	Pass
				-10	12	0.114	0.0002	-2.5 to 2.5	Pass
				0	12	1.259	0.0018	-2.5 to 2.5	Pass
				10	12	-0.401	-0.0006	-2.5 to 2.5	Pass
				30	12	0.286	0.0004	-2.5 to 2.5	Pass
				40	12	-0.930	-0.0013	-2.5 to 2.5	Pass
				50	12	-0.858	-0.0012	-2.5 to 2.5	Pass
				20	10.2	-0.544	-0.0008	-2.5 to 2.5	Pass
					12	-0.415	-0.0006	-2.5 to 2.5	Pass
					13.8	-0.501	-0.0007	-2.5 to 2.5	Pass
				-30	12	0.086	0.0001	-2.5 to 2.5	Pass
				-20	12	-0.601	-0.0008	-2.5 to 2.5	Pass
				-10	12	-0.587	-0.0008	-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	-0.200	-0.0003	-2.5 to 2.5	Pass
				40	12	-0.958	-0.0013	-2.5 to 2.5	Pass
				50	12	-0.830	-0.0012	-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	-6.552	-0.0094	-2.5 to 2.5	Pass
					12	-5.794	-0.0083	-2.5 to 2.5	Pass

					13.8	-5.851	-0.0084	-2.5 to 2.5	Pass
				-30	12	-5.164	-0.0074	-2.5 to 2.5	Pass
				-20	12	-6.509	-0.0093	-2.5 to 2.5	Pass
				-10	12	-5.879	-0.0084	-2.5 to 2.5	Pass
				0	12	-6.409	-0.0091	-2.5 to 2.5	Pass
				10	12	-5.322	-0.0076	-2.5 to 2.5	Pass
				30	12	-5.679	-0.0081	-2.5 to 2.5	Pass
				40	12	-4.864	-0.0069	-2.5 to 2.5	Pass
				50	12	-6.437	-0.0092	-2.5 to 2.5	Pass
	707.5	15	0	20	10.2	0.386	0.0005	-2.5 to 2.5	Pass
					12	1.845	0.0026	-2.5 to 2.5	Pass
					13.8	-0.386	-0.0005	-2.5 to 2.5	Pass
				-30	12	-1.101	-0.0016	-2.5 to 2.5	Pass
				-20	12	-0.715	-0.0010	-2.5 to 2.5	Pass
				-10	12	-0.501	-0.0007	-2.5 to 2.5	Pass
				0	12	0.200	0.0003	-2.5 to 2.5	Pass
				10	12	-0.830	-0.0012	-2.5 to 2.5	Pass
				30	12	-1.130	-0.0016	-2.5 to 2.5	Pass
				40	12	-0.687	-0.0010	-2.5 to 2.5	Pass
				50	12	-2.131	-0.0030	-2.5 to 2.5	Pass
	714.5	15	0	20	10.2	-0.386	-0.0005	-2.5 to 2.5	Pass
					12	-0.887	-0.0012	-2.5 to 2.5	Pass
					13.8	-0.944	-0.0013	-2.5 to 2.5	Pass
				-30	12	0.157	0.0002	-2.5 to 2.5	Pass
				-20	12	0.329	0.0005	-2.5 to 2.5	Pass
				-10	12	0.415	0.0006	-2.5 to 2.5	Pass
				0	12	-0.544	-0.0008	-2.5 to 2.5	Pass
				10	12	-0.286	-0.0004	-2.5 to 2.5	Pass
				30	12	-0.544	-0.0008	-2.5 to 2.5	Pass
				40	12	-0.486	-0.0007	-2.5 to 2.5	Pass
				50	12	0.072	0.0001	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	10.2	-6.509	-0.0093	-2.5 to 2.5	Pass
					12	-5.937	-0.0085	-2.5 to 2.5	Pass
					13.8	-5.579	-0.0080	-2.5 to 2.5	Pass
				-30	12	-5.550	-0.0079	-2.5 to 2.5	Pass
				-20	12	-6.323	-0.0090	-2.5 to 2.5	Pass
				-10	12	-5.708	-0.0081	-2.5 to 2.5	Pass
				0	12	-4.849	-0.0069	-2.5 to 2.5	Pass
				10	12	-5.322	-0.0076	-2.5 to 2.5	Pass
				30	12	-5.236	-0.0075	-2.5 to 2.5	Pass
	707.5	15	0	20	10.2	-0.758	-0.0011	-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	-0.072	-0.0001	-2.5 to 2.5	Pass
				-20	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				-10	12	-0.758	-0.0011	-2.5 to 2.5	Pass
				0	12	0.787	0.0011	-2.5 to 2.5	Pass
				10	12	0.229	0.0003	-2.5 to 2.5	Pass
				30	12	-0.229	-0.0003	-2.5 to 2.5	Pass
	714.5	15	0	20	10.2	-0.243	-0.0003	-2.5 to 2.5	Pass
					12	-0.973	-0.0014	-2.5 to 2.5	Pass
					13.8	-0.944	-0.0013	-2.5 to 2.5	Pass
				-30	12	-0.830	-0.0012	-2.5 to 2.5	Pass
				-20	12	0.143	0.0002	-2.5 to 2.5	Pass
				-10	12	0.601	0.0008	-2.5 to 2.5	Pass
				0	12	-0.029	0.0000	-2.5 to 2.5	Pass
				10	12	-0.815	-0.0011	-2.5 to 2.5	Pass
				30	12	-1.287	-0.0018	-2.5 to 2.5	Pass

				40	12	-0.472	-0.0007	-2.5 to 2.5	Pass
				50	12	-0.629	-0.0009	-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	-1.259	-0.0018	-2.5 to 2.5	Pass
					12	-1.659	-0.0024	-2.5 to 2.5	Pass
					13.8	-0.672	-0.0010	-2.5 to 2.5	Pass
				-30	12	0.658	0.0009	-2.5 to 2.5	Pass
				-20	12	0.114	0.0002	-2.5 to 2.5	Pass
				-10	12	-0.629	-0.0009	-2.5 to 2.5	Pass
				0	12	-0.687	-0.0010	-2.5 to 2.5	Pass
				10	12	-0.629	-0.0009	-2.5 to 2.5	Pass
				30	12	-0.644	-0.0009	-2.5 to 2.5	Pass
				40	12	-1.073	-0.0015	-2.5 to 2.5	Pass
				50	12	-0.458	-0.0007	-2.5 to 2.5	Pass
	707.5	25	0	20	10.2	-0.830	-0.0012	-2.5 to 2.5	Pass
					12	-1.202	-0.0017	-2.5 to 2.5	Pass
					13.8	-1.345	-0.0019	-2.5 to 2.5	Pass
				-30	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				-20	12	-1.044	-0.0015	-2.5 to 2.5	Pass
				-10	12	-0.844	-0.0012	-2.5 to 2.5	Pass
				0	12	-0.701	-0.0010	-2.5 to 2.5	Pass
				10	12	-0.672	-0.0009	-2.5 to 2.5	Pass
				30	12	-0.358	-0.0005	-2.5 to 2.5	Pass
				40	12	-0.315	-0.0004	-2.5 to 2.5	Pass
				50	12	-0.973	-0.0014	-2.5 to 2.5	Pass
	713.5	25	0	20	10.2	-0.944	-0.0013	-2.5 to 2.5	Pass
					12	-0.200	-0.0003	-2.5 to 2.5	Pass
					13.8	-0.916	-0.0013	-2.5 to 2.5	Pass
				-30	12	-0.787	-0.0011	-2.5 to 2.5	Pass
				-20	12	0.386	0.0005	-2.5 to 2.5	Pass
				-10	12	0.286	0.0004	-2.5 to 2.5	Pass
				0	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				10	12	-0.343	-0.0005	-2.5 to 2.5	Pass
				30	12	-0.558	-0.0008	-2.5 to 2.5	Pass
				40	12	-0.472	-0.0007	-2.5 to 2.5	Pass
				50	12	-0.544	-0.0008	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	10.2	-0.629	-0.0009	-2.5 to 2.5	Pass
					12	-0.973	-0.0014	-2.5 to 2.5	Pass
					13.8	-1.345	-0.0019	-2.5 to 2.5	Pass
				-30	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				-20	12	-0.358	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.014	0.0000	-2.5 to 2.5	Pass
				0	12	-0.973	-0.0014	-2.5 to 2.5	Pass
				10	12	-0.186	-0.0003	-2.5 to 2.5	Pass
				30	12	-0.544	-0.0008	-2.5 to 2.5	Pass
				40	12	-0.329	-0.0005	-2.5 to 2.5	Pass
				50	12	-0.730	-0.0010	-2.5 to 2.5	Pass
	707.5	25	0	20	10.2	-0.300	-0.0004	-2.5 to 2.5	Pass
					12	-0.572	-0.0008	-2.5 to 2.5	Pass
					13.8	-0.658	-0.0009	-2.5 to 2.5	Pass
				-30	12	-0.529	-0.0007	-2.5 to 2.5	Pass
				-20	12	-0.257	-0.0004	-2.5 to 2.5	Pass
				-10	12	-0.572	-0.0008	-2.5 to 2.5	Pass

				0	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				10	12	-0.472	-0.0007	-2.5 to 2.5	Pass
				30	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	12	-0.730	-0.0010	-2.5 to 2.5	Pass
				50	12	-0.458	-0.0006	-2.5 to 2.5	Pass
	713.5	25	0	20	10.2	-1.016	-0.0014	-2.5 to 2.5	Pass
					12	-1.259	-0.0018	-2.5 to 2.5	Pass
					13.8	-0.472	-0.0007	-2.5 to 2.5	Pass
				-30	12	-1.001	-0.0014	-2.5 to 2.5	Pass
				-20	12	-0.815	-0.0011	-2.5 to 2.5	Pass
				-10	12	-1.187	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.459	-0.0020	-2.5 to 2.5	Pass
				10	12	-1.216	-0.0017	-2.5 to 2.5	Pass
				30	12	-1.717	-0.0024	-2.5 to 2.5	Pass
				40	12	-1.588	-0.0022	-2.5 to 2.5	Pass
				50	12	-0.730	-0.0010	-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	-0.844	-0.0012	-2.5 to 2.5	Pass
					12	-0.229	-0.0003	-2.5 to 2.5	Pass
					13.8	-0.830	-0.0012	-2.5 to 2.5	Pass
				-30	12	-0.157	-0.0002	-2.5 to 2.5	Pass
				-20	12	-1.731	-0.0025	-2.5 to 2.5	Pass
				-10	12	-1.402	-0.0020	-2.5 to 2.5	Pass
				0	12	-0.973	-0.0014	-2.5 to 2.5	Pass
				10	12	-1.202	-0.0017	-2.5 to 2.5	Pass
				30	12	-1.574	-0.0022	-2.5 to 2.5	Pass
				40	12	-0.701	-0.0010	-2.5 to 2.5	Pass
				50	12	-0.944	-0.0013	-2.5 to 2.5	Pass
	707.5	50	0	20	10.2	-0.715	-0.0010	-2.5 to 2.5	Pass
					12	-0.172	-0.0002	-2.5 to 2.5	Pass
					13.8	-0.501	-0.0007	-2.5 to 2.5	Pass
				-30	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.529	-0.0007	-2.5 to 2.5	Pass
				0	12	-0.472	-0.0007	-2.5 to 2.5	Pass
				10	12	-0.143	-0.0002	-2.5 to 2.5	Pass
				30	12	-0.772	-0.0011	-2.5 to 2.5	Pass
				40	12	0.129	0.0002	-2.5 to 2.5	Pass
				50	12	-1.531	-0.0022	-2.5 to 2.5	Pass
	711	50	0	20	10.2	-1.373	-0.0019	-2.5 to 2.5	Pass
					12	-1.602	-0.0023	-2.5 to 2.5	Pass
					13.8	-0.529	-0.0007	-2.5 to 2.5	Pass
				-30	12	-1.402	-0.0020	-2.5 to 2.5	Pass
				-20	12	-1.030	-0.0014	-2.5 to 2.5	Pass
				-10	12	-1.330	-0.0019	-2.5 to 2.5	Pass
				0	12	-1.144	-0.0016	-2.5 to 2.5	Pass
				10	12	-1.531	-0.0022	-2.5 to 2.5	Pass
				30	12	-0.987	-0.0014	-2.5 to 2.5	Pass
				40	12	-1.116	-0.0016	-2.5 to 2.5	Pass
				50	12	-1.359	-0.0019	-2.5 to 2.5	Pass
16QAM	704	50	0	20	10.2	-0.615	-0.0009	-2.5 to 2.5	Pass
					12	-0.844	-0.0012	-2.5 to 2.5	Pass
					13.8	-0.672	-0.0010	-2.5 to 2.5	Pass

				-30	12	-0.386	-0.0005	-2.5 to 2.5	Pass
				-20	12	-0.558	-0.0008	-2.5 to 2.5	Pass
				-10	12	-0.529	-0.0008	-2.5 to 2.5	Pass
				0	12	-0.358	-0.0005	-2.5 to 2.5	Pass
				10	12	-0.529	-0.0008	-2.5 to 2.5	Pass
				30	12	-0.300	-0.0004	-2.5 to 2.5	Pass
				40	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	12	-0.372	-0.0005	-2.5 to 2.5	Pass
	707.5	50	0	20	10.2	-0.744	-0.0011	-2.5 to 2.5	Pass
					12	-0.544	-0.0008	-2.5 to 2.5	Pass
					13.8	0.043	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	12	0.043	0.0001	-2.5 to 2.5	Pass
				-10	12	0.043	0.0001	-2.5 to 2.5	Pass
				0	12	-0.329	-0.0005	-2.5 to 2.5	Pass
				10	12	0.701	0.0010	-2.5 to 2.5	Pass
				30	12	-0.515	-0.0007	-2.5 to 2.5	Pass
				40	12	0.429	0.0006	-2.5 to 2.5	Pass
				50	12	-0.143	-0.0002	-2.5 to 2.5	Pass
	711	50	0	20	10.2	-1.273	-0.0018	-2.5 to 2.5	Pass
					12	-1.173	-0.0016	-2.5 to 2.5	Pass
					13.8	-1.130	-0.0016	-2.5 to 2.5	Pass
				-30	12	-1.588	-0.0022	-2.5 to 2.5	Pass
				-20	12	-1.116	-0.0016	-2.5 to 2.5	Pass
				-10	12	-0.987	-0.0014	-2.5 to 2.5	Pass
				0	12	-1.259	-0.0018	-2.5 to 2.5	Pass
				10	12	-1.287	-0.0018	-2.5 to 2.5	Pass
				30	12	-1.302	-0.0018	-2.5 to 2.5	Pass
				40	12	-1.688	-0.0024	-2.5 to 2.5	Pass
				50	12	-1.774	-0.0025	-2.5 to 2.5	Pass

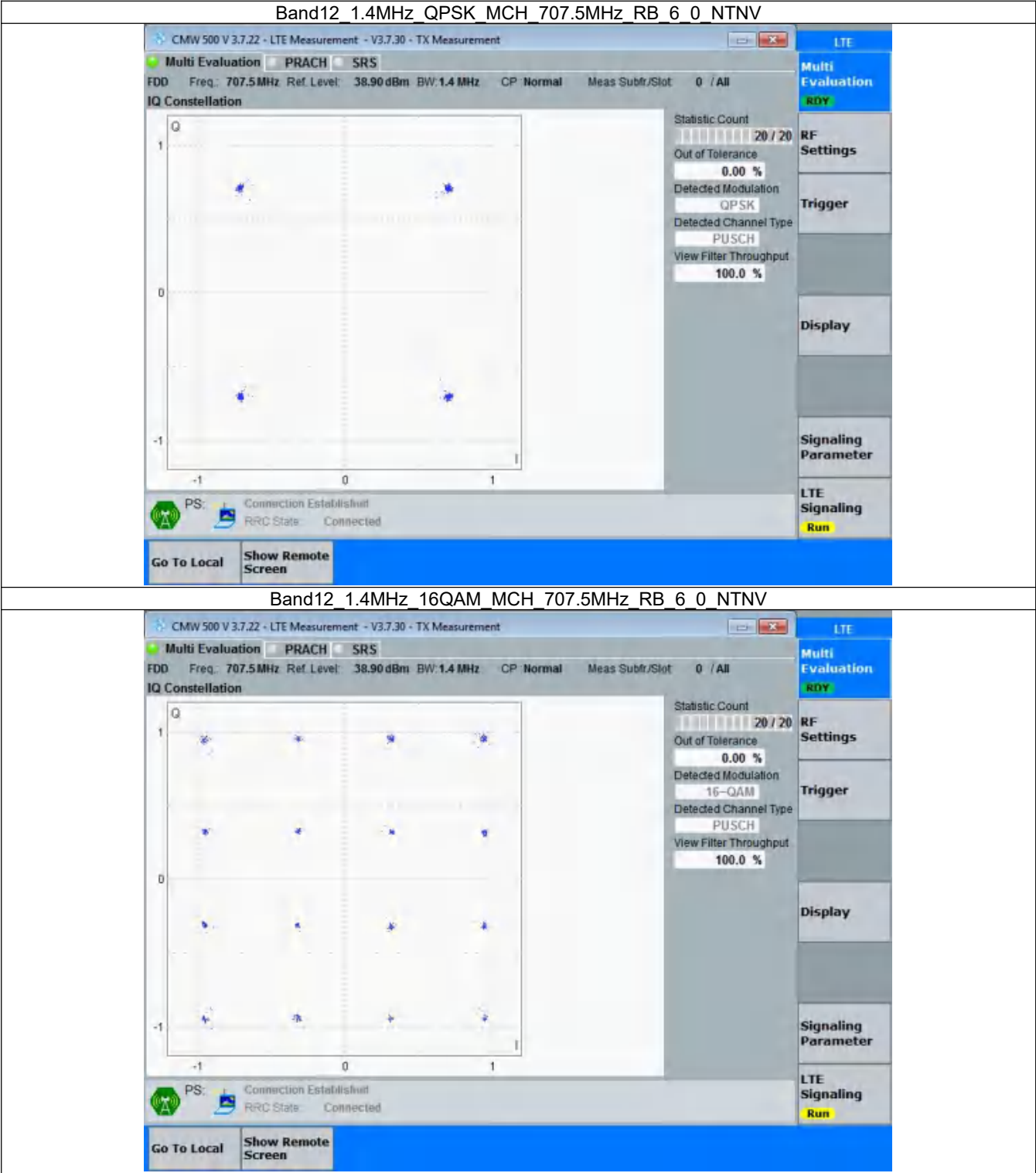
3. Modulation Characteristics

3.1 B12_1.4MHz

3.1.1 Test Result

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 Test Graph

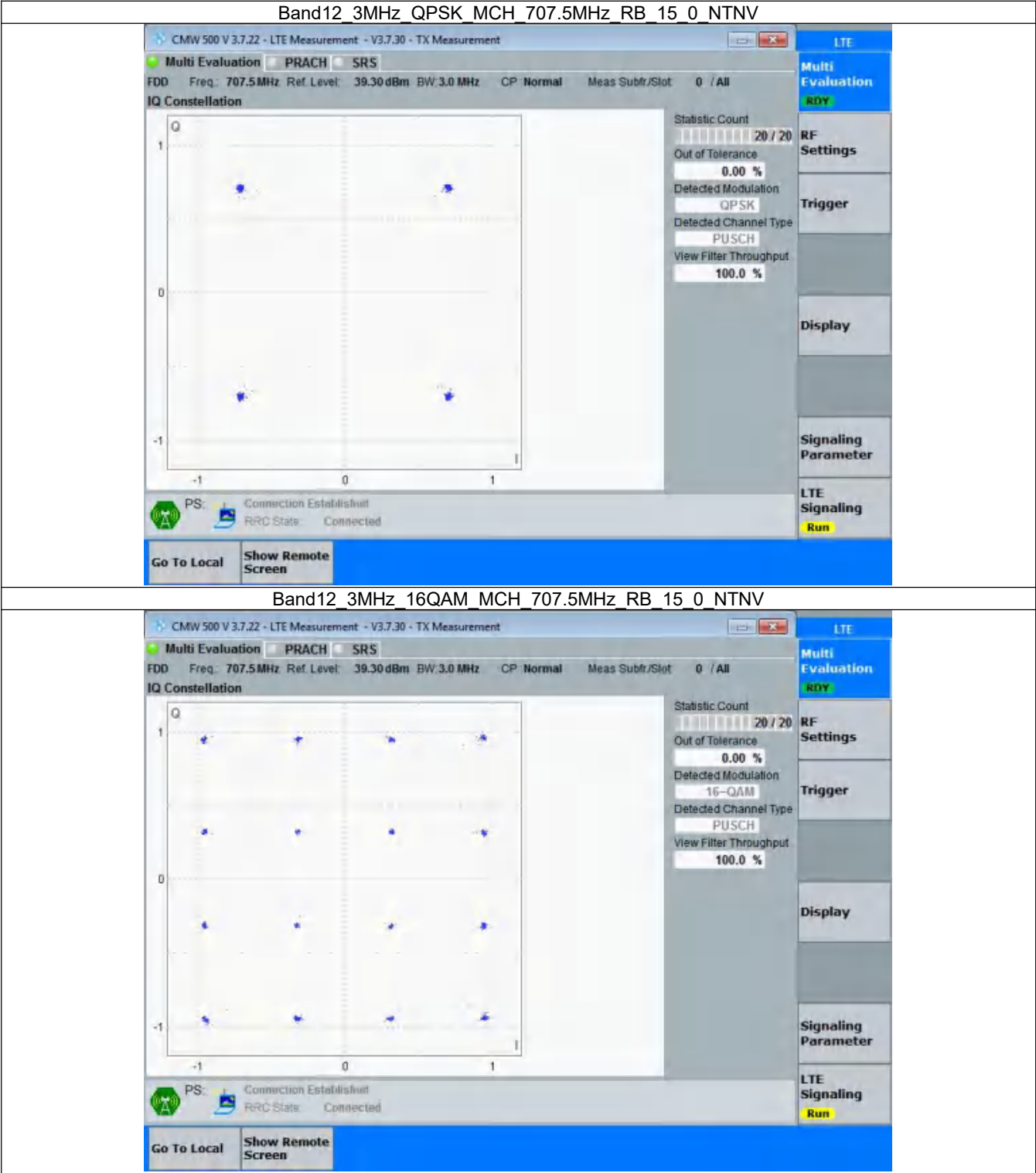


3.2 B12_3MHz

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

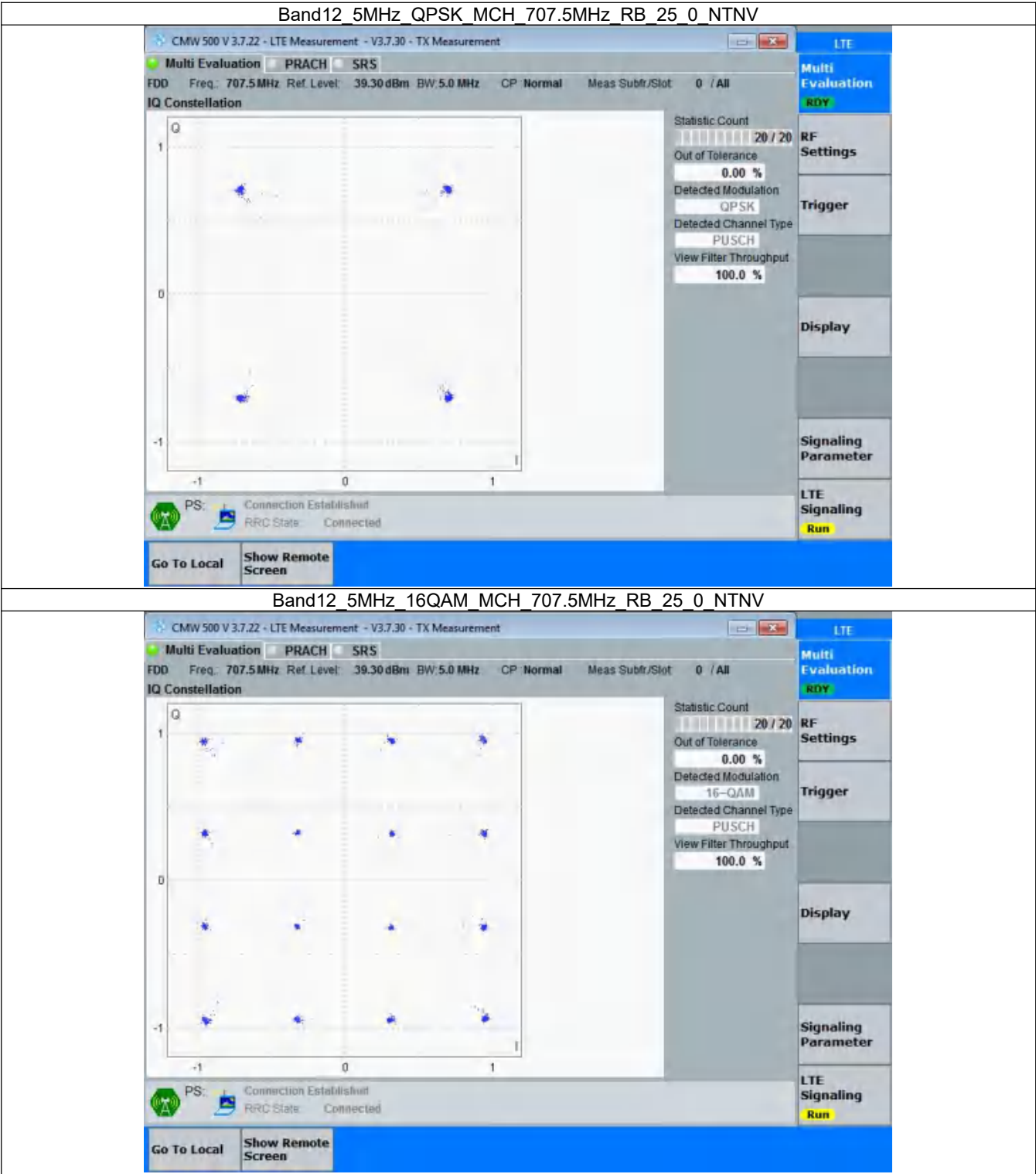


3.3 B12_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

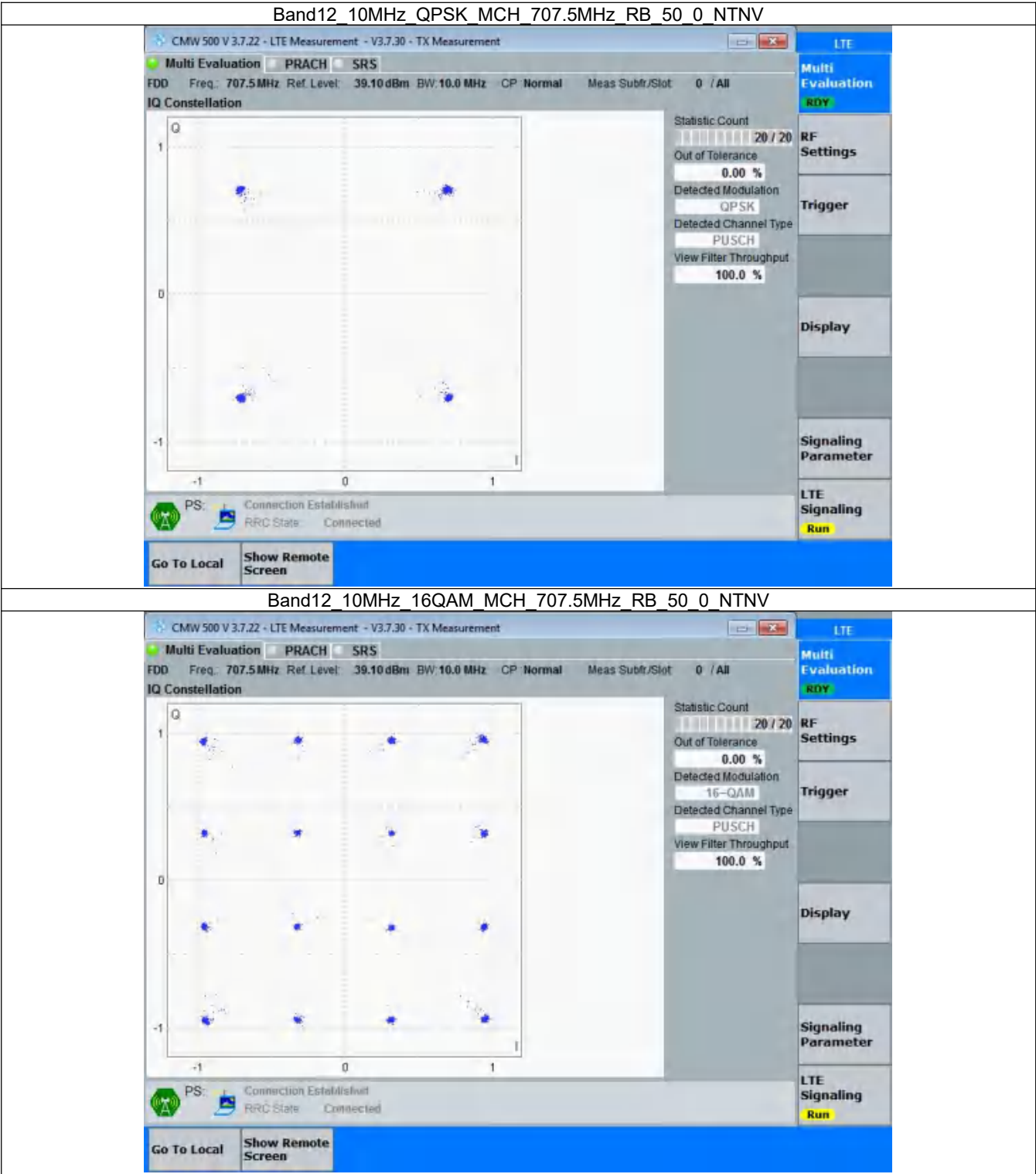


3.4 B12_10MHz

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



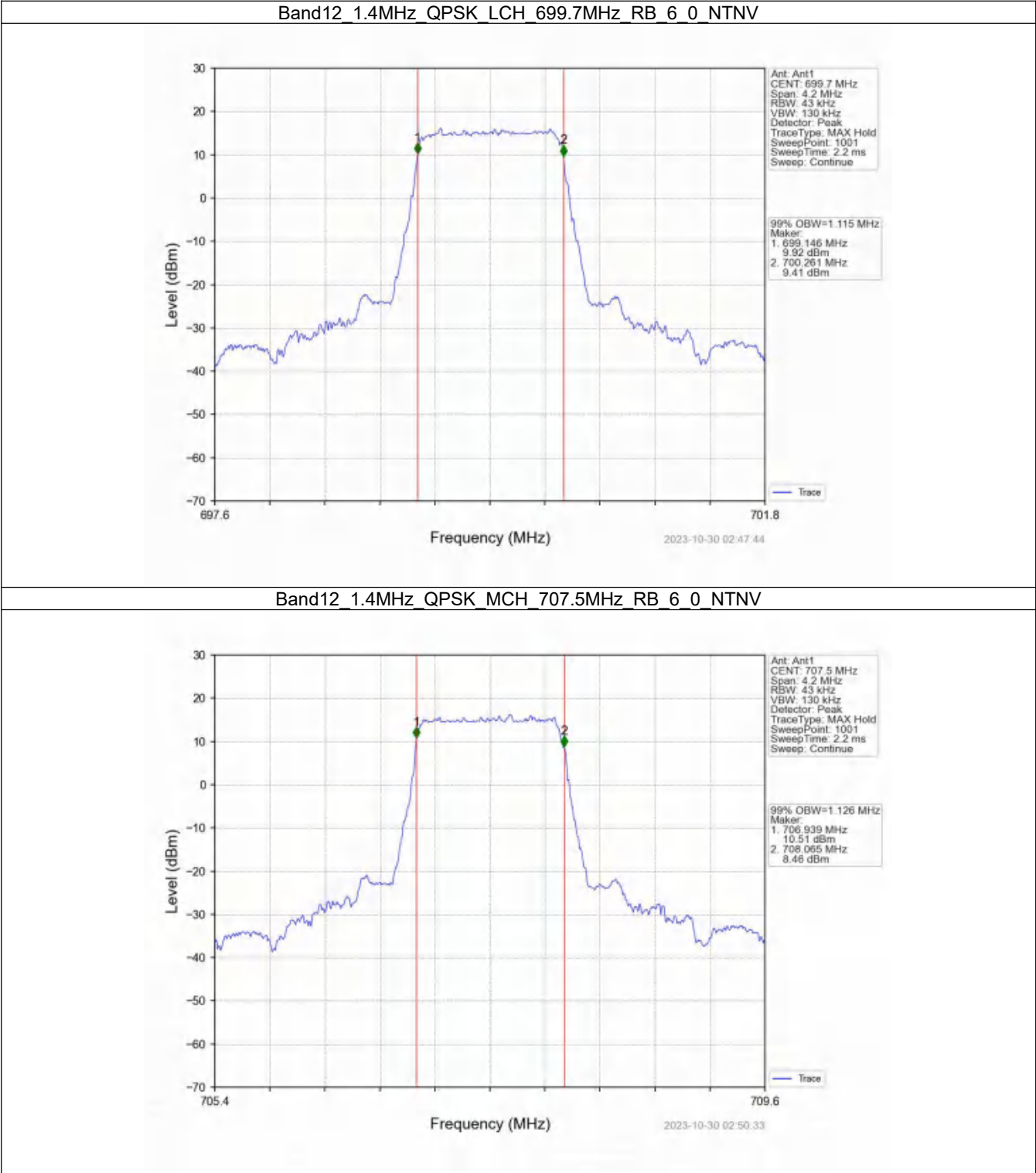
4. 99% & 26dB Bandwidth

4.1 Band12_OBW

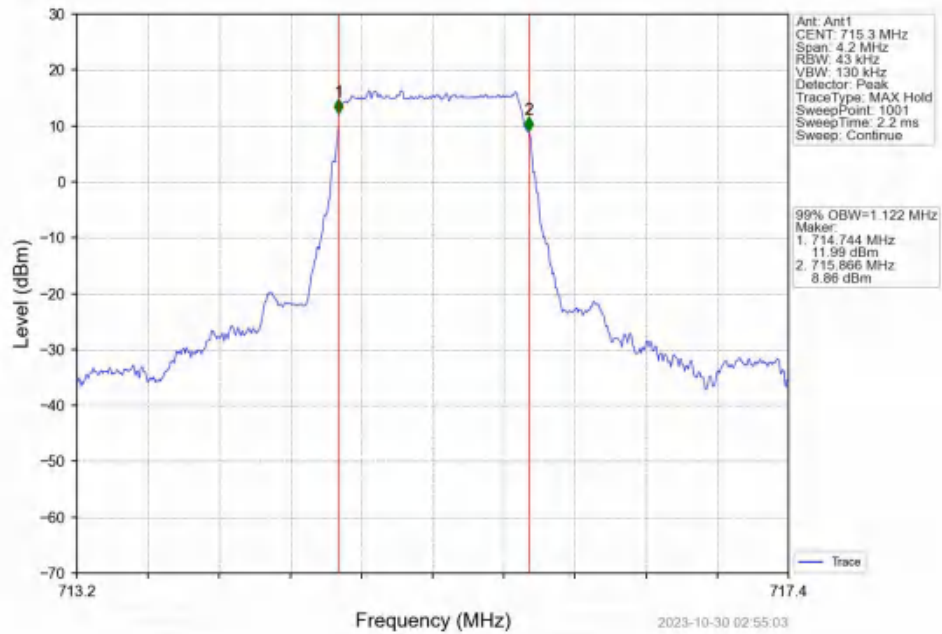
4.1.1 Test Result

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	1.115	/	Pass
		707.5	6	0	1.126	/	Pass
		715.3	6	0	1.122	/	Pass
	16QAM	699.7	6	0	1.104	/	Pass
		707.5	6	0	1.110	/	Pass
		715.3	6	0	1.111	/	Pass
3	QPSK	700.5	15	0	2.736	/	Pass
		707.5	15	0	2.730	/	Pass
		714.5	15	0	2.752	/	Pass
	16QAM	700.5	15	0	2.726	/	Pass
		707.5	15	0	2.729	/	Pass
		714.5	15	0	2.761	/	Pass
5	QPSK	701.5	25	0	4.546	/	Pass
		707.5	25	0	4.550	/	Pass
		713.5	25	0	4.576	/	Pass
	16QAM	701.5	25	0	4.556	/	Pass
		707.5	25	0	4.561	/	Pass
		713.5	25	0	4.546	/	Pass
10	QPSK	704	50	0	9.063	/	Pass
		707.5	50	0	9.058	/	Pass
		711	50	0	9.026	/	Pass
	16QAM	704	50	0	9.026	/	Pass
		707.5	50	0	9.034	/	Pass
		711	50	0	9.025	/	Pass

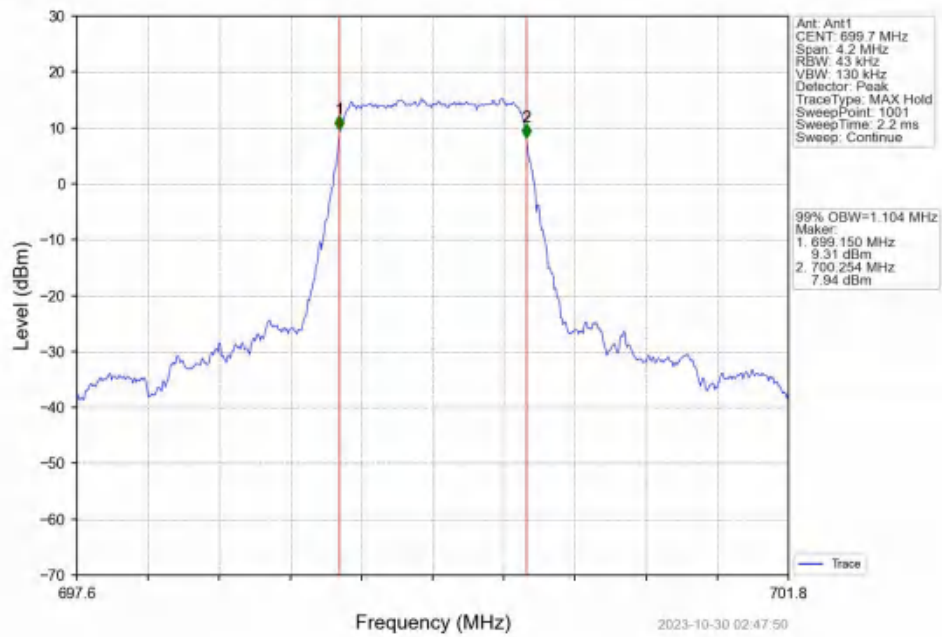
4.1.2 Test Graph



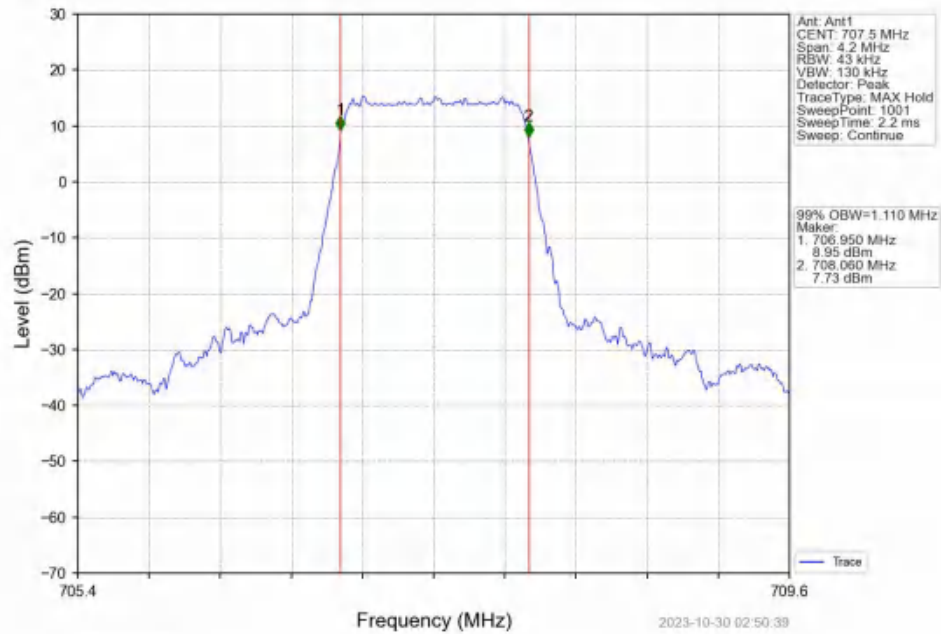
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



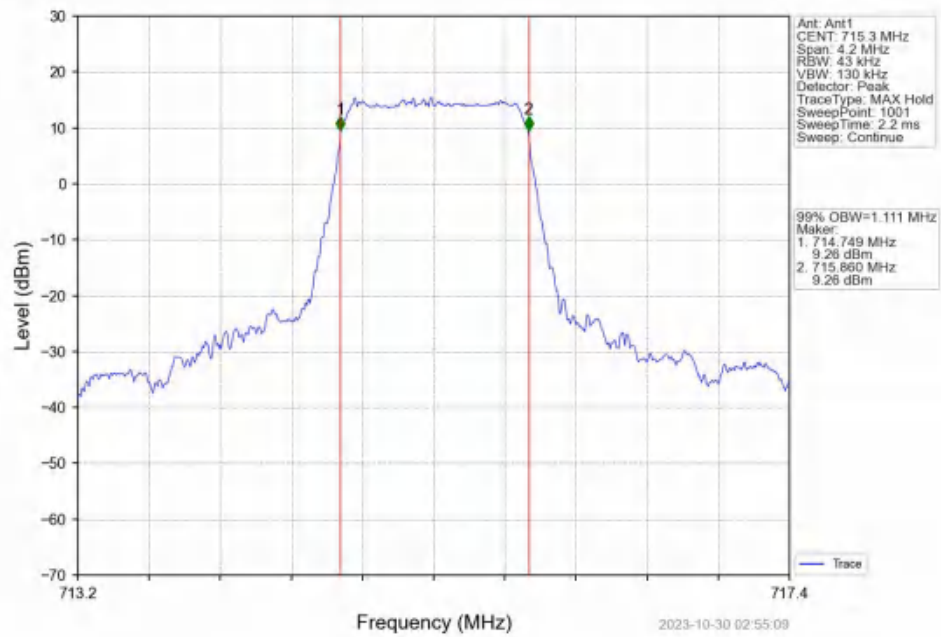
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



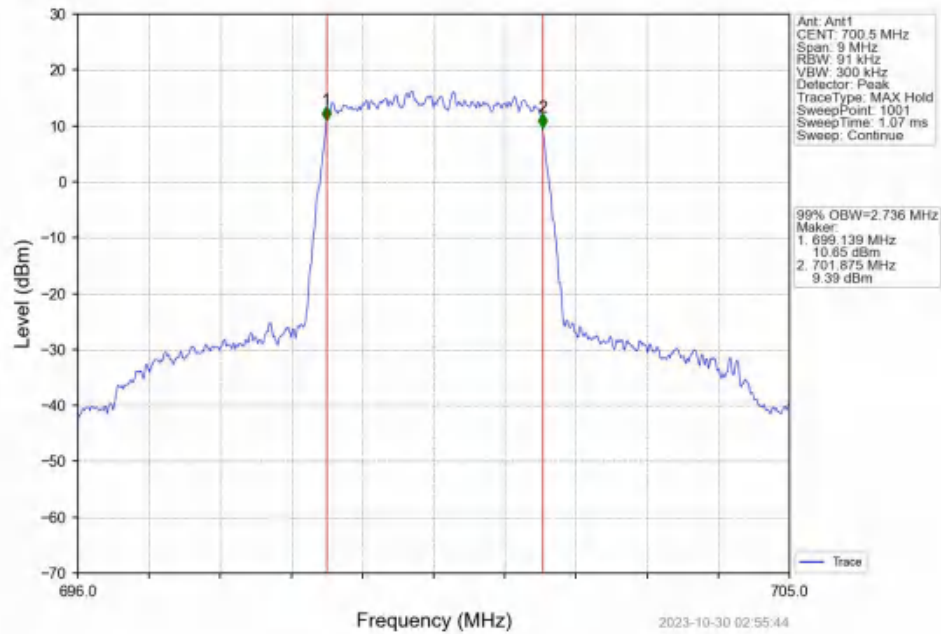
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



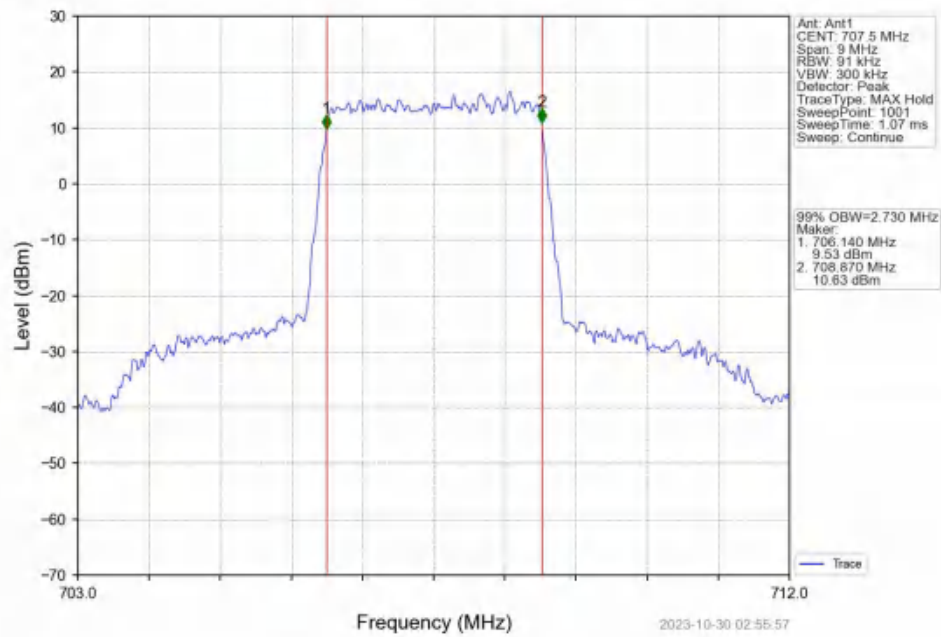
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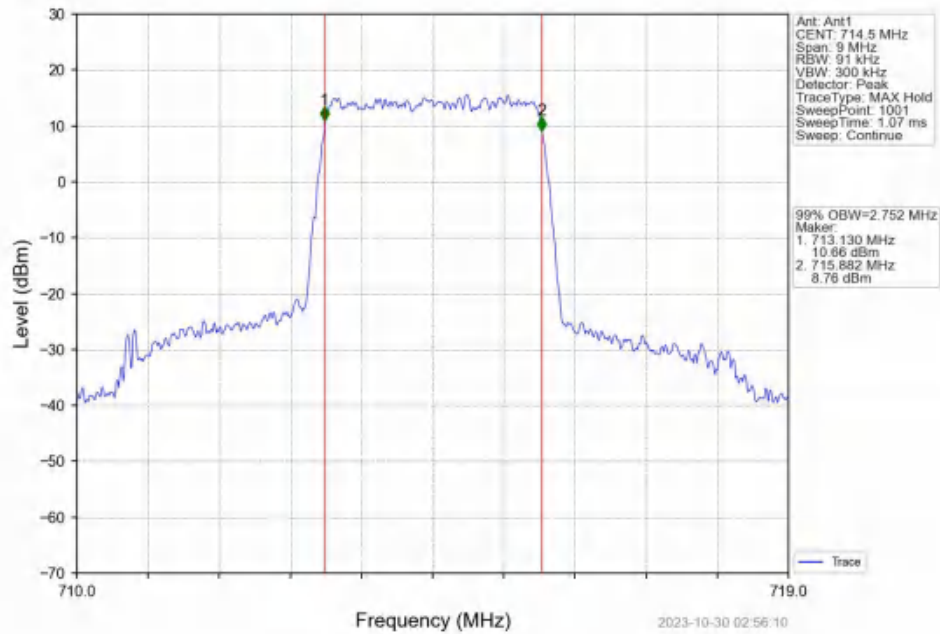
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



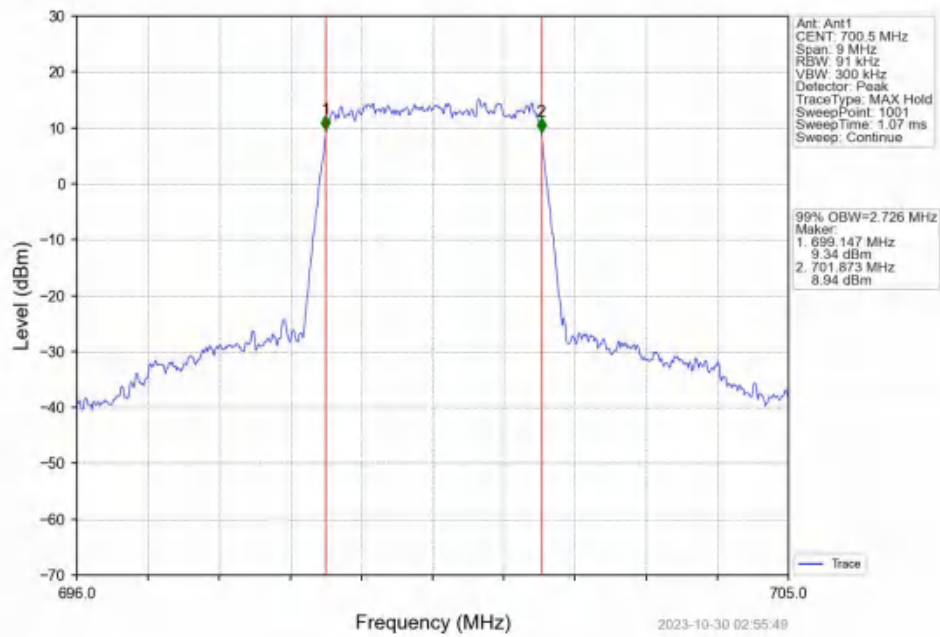
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



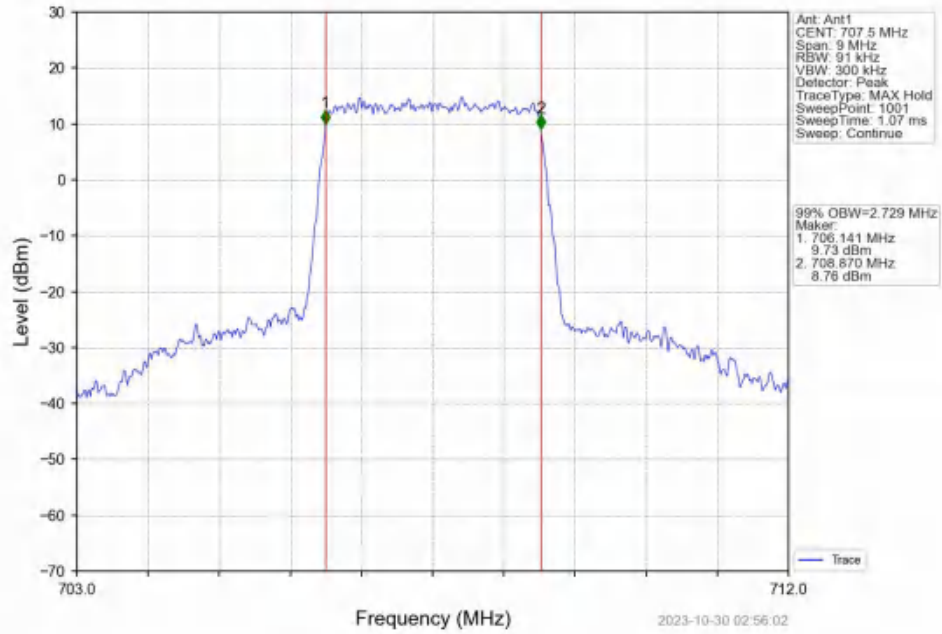
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



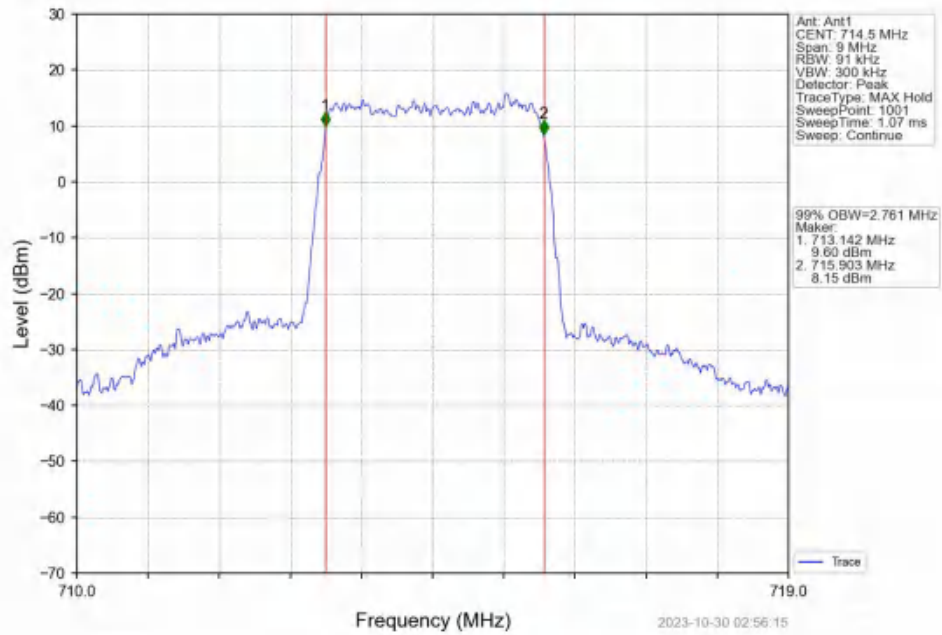
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



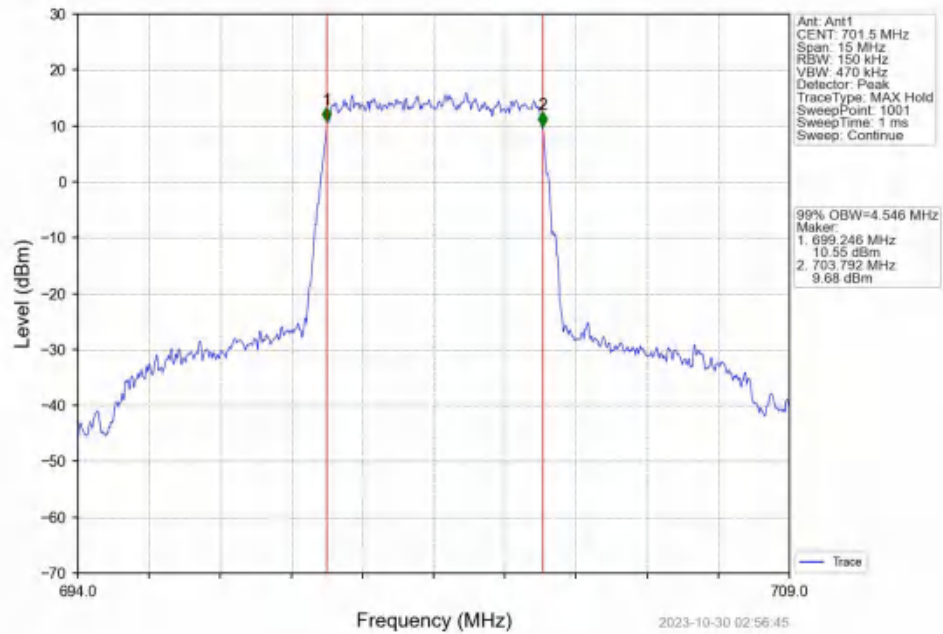
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



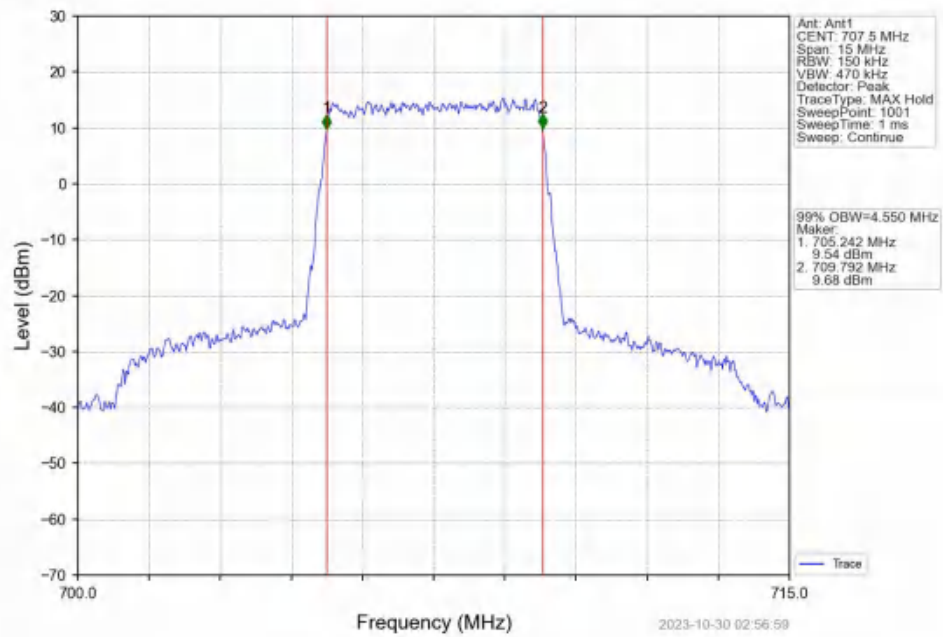
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



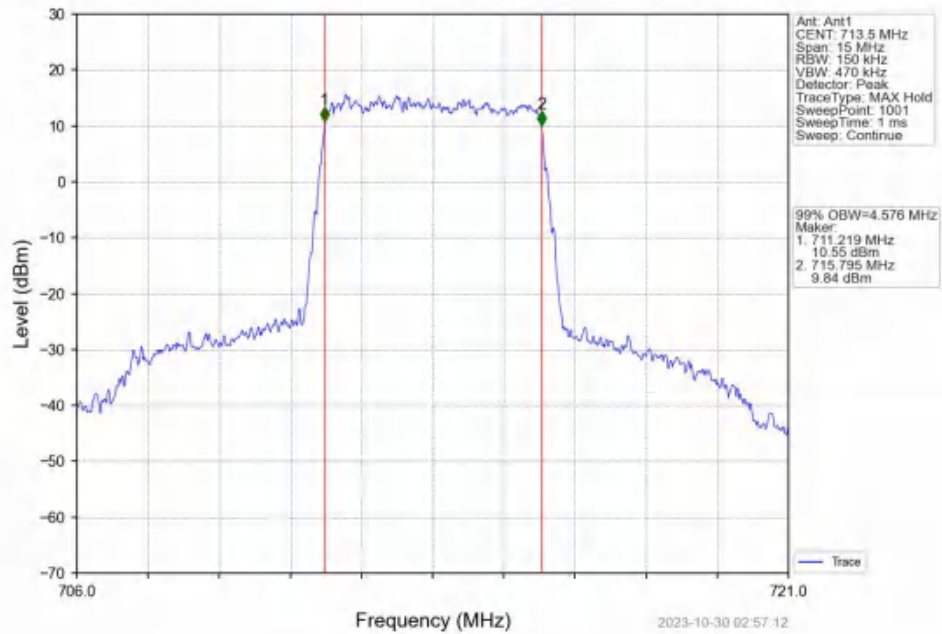
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



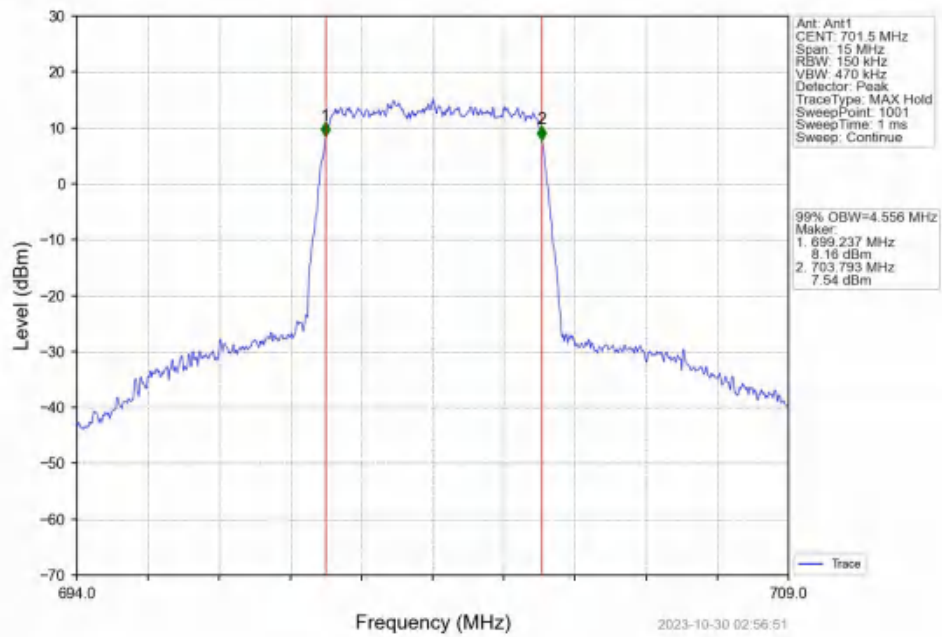
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



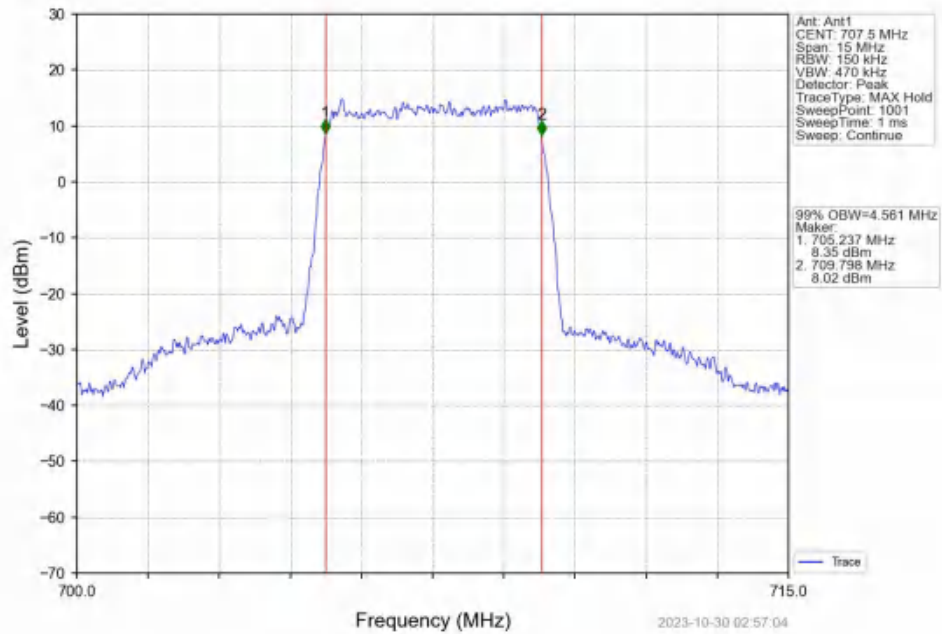
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



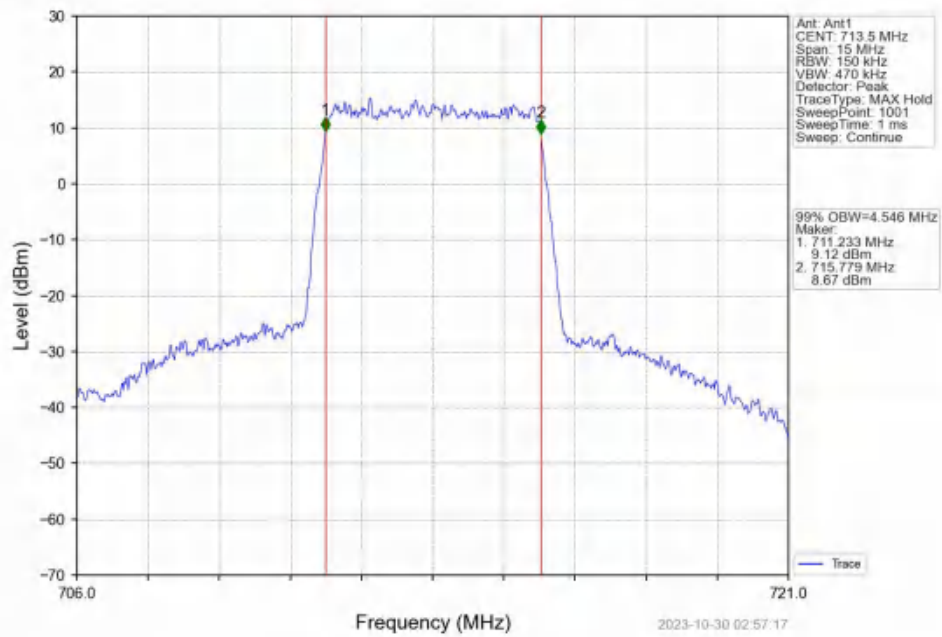
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



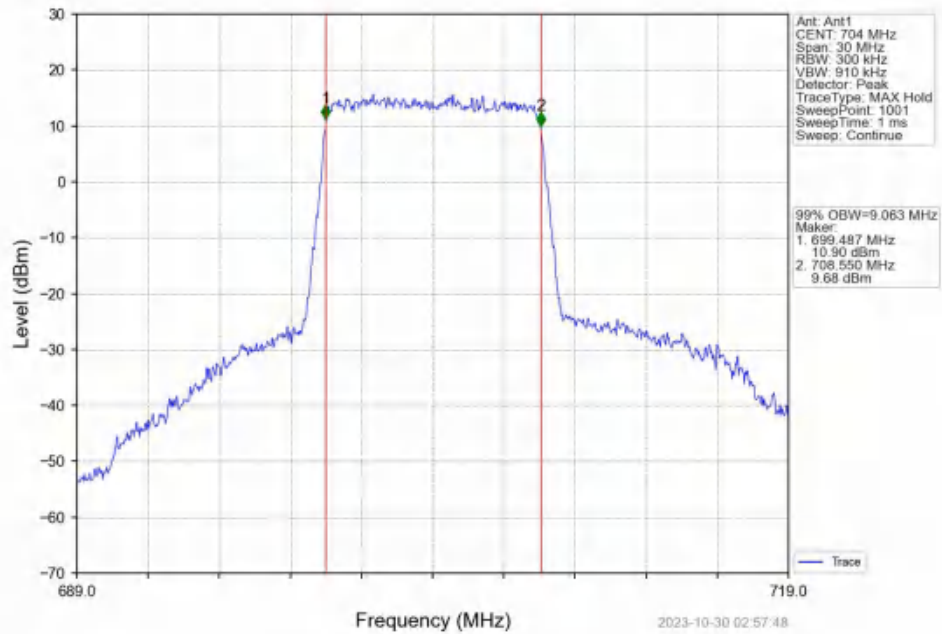
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



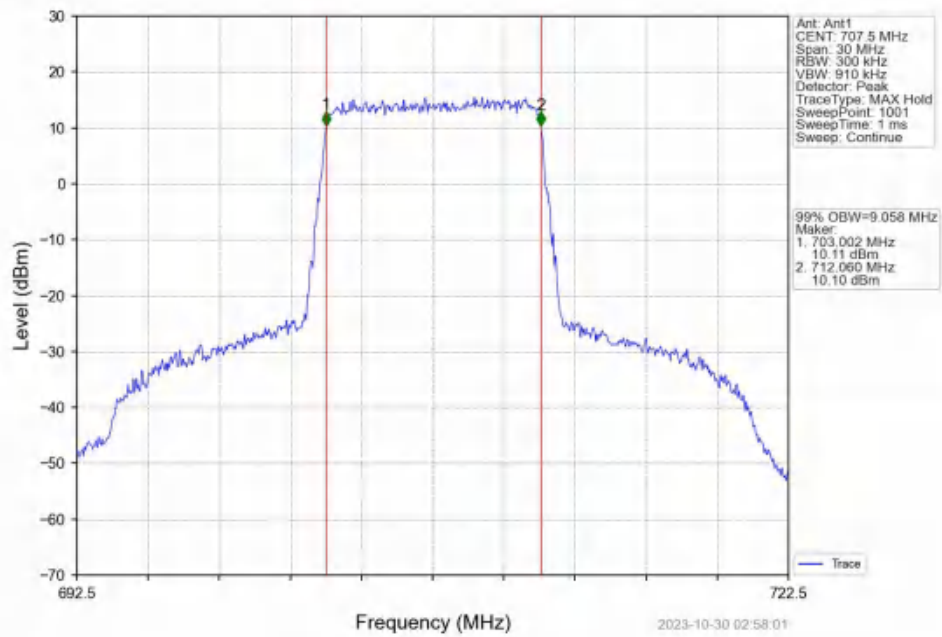
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



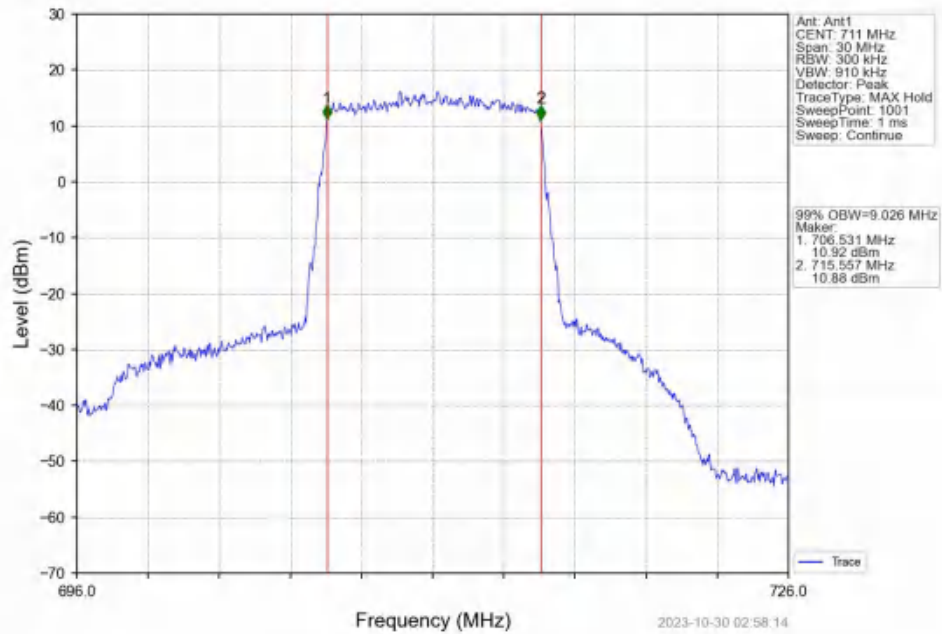
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



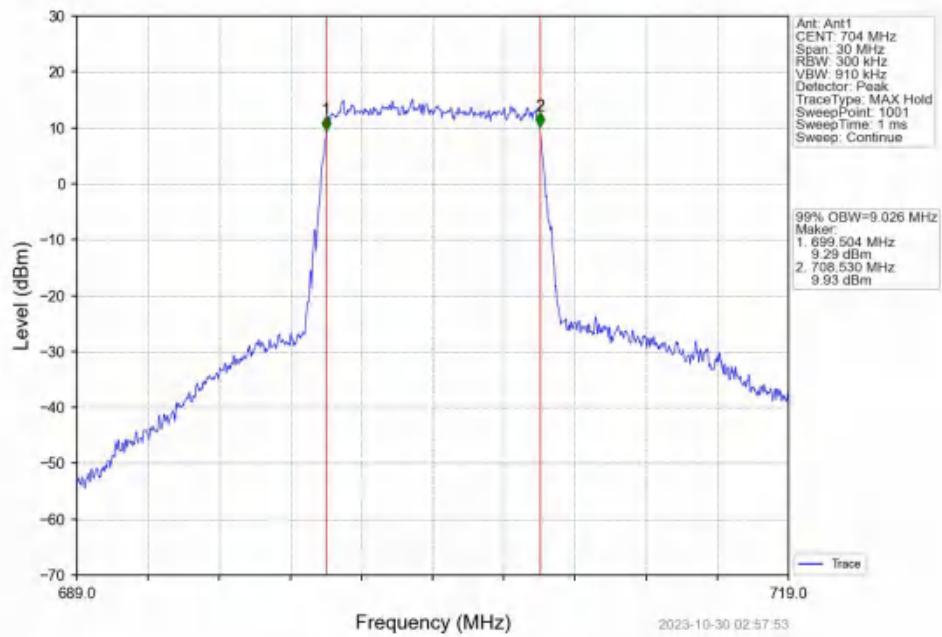
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



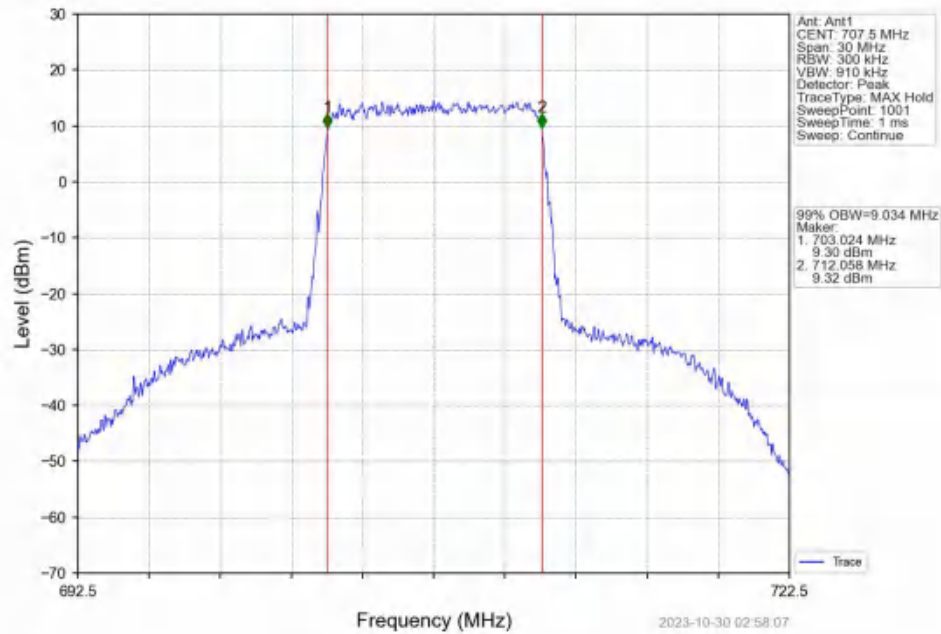
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



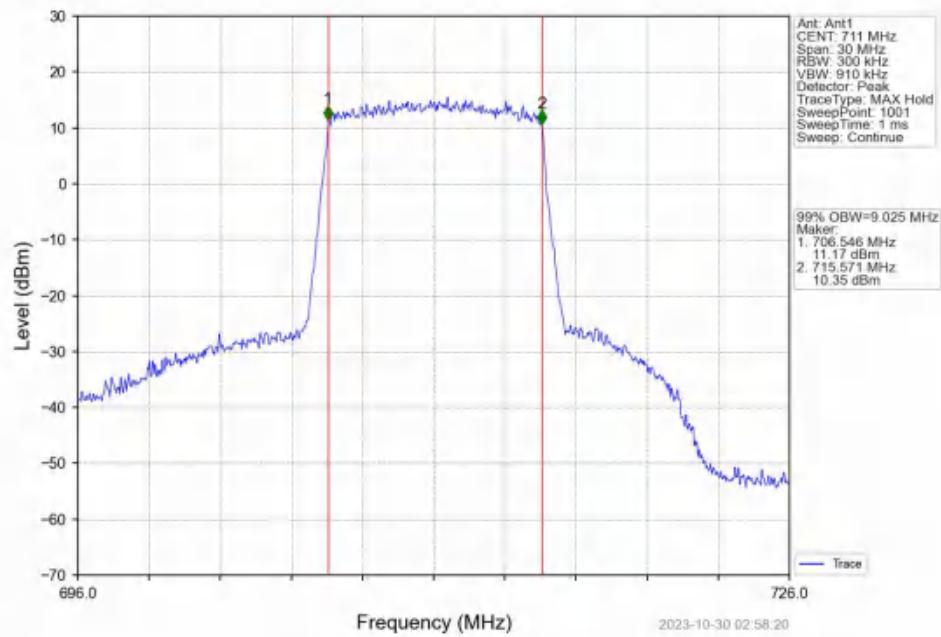
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

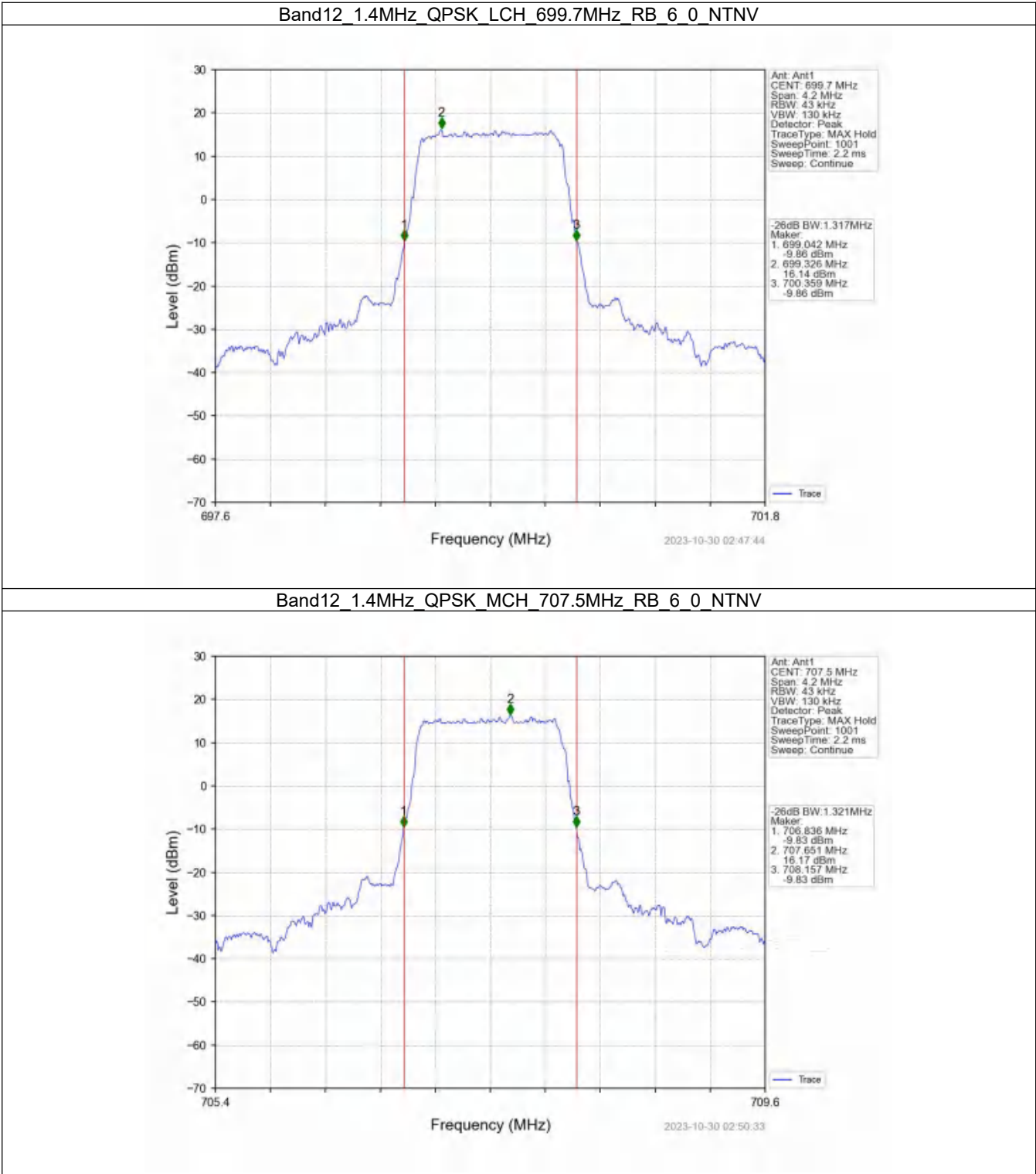


4.2 Band12_XDB

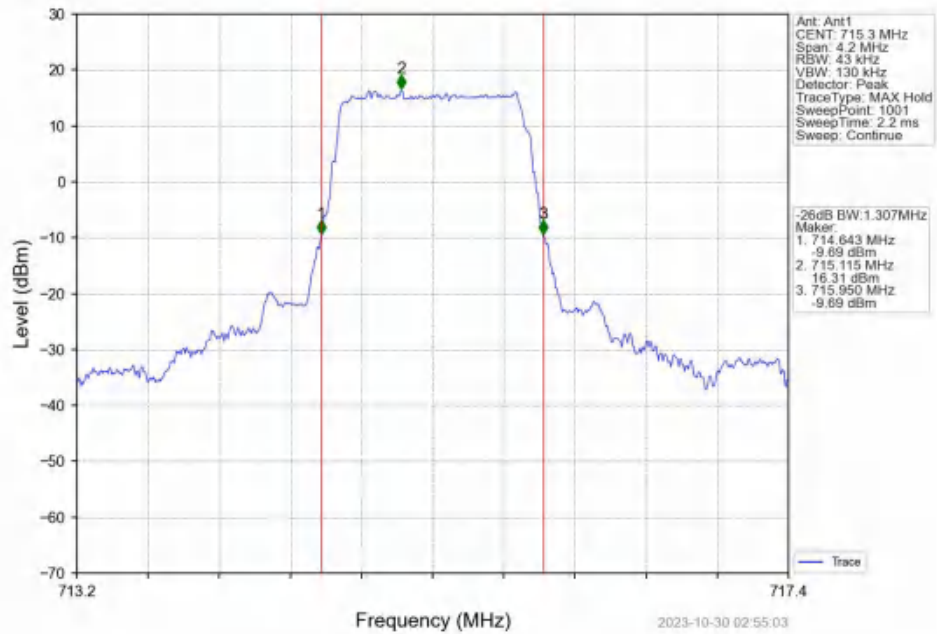
4.2.1 Test Result

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	1.317	/	Pass
		707.5	6	0	1.321	/	Pass
		715.3	6	0	1.307	/	Pass
	16QAM	699.7	6	0	1.338	/	Pass
		707.5	6	0	1.322	/	Pass
		715.3	6	0	1.326	/	Pass
3	QPSK	700.5	15	0	3.063	/	Pass
		707.5	15	0	3.025	/	Pass
		714.5	15	0	3.075	/	Pass
	16QAM	700.5	15	0	3.056	/	Pass
		707.5	15	0	3.049	/	Pass
		714.5	15	0	3.057	/	Pass
5	QPSK	701.5	25	0	5.092	/	Pass
		707.5	25	0	5.048	/	Pass
		713.5	25	0	5.108	/	Pass
	16QAM	701.5	25	0	5.083	/	Pass
		707.5	25	0	5.073	/	Pass
		713.5	25	0	5.086	/	Pass
10	QPSK	704	50	0	10.024	/	Pass
		707.5	50	0	10.117	/	Pass
		711	50	0	9.944	/	Pass
	16QAM	704	50	0	10.082	/	Pass
		707.5	50	0	10.007	/	Pass
		711	50	0	9.962	/	Pass

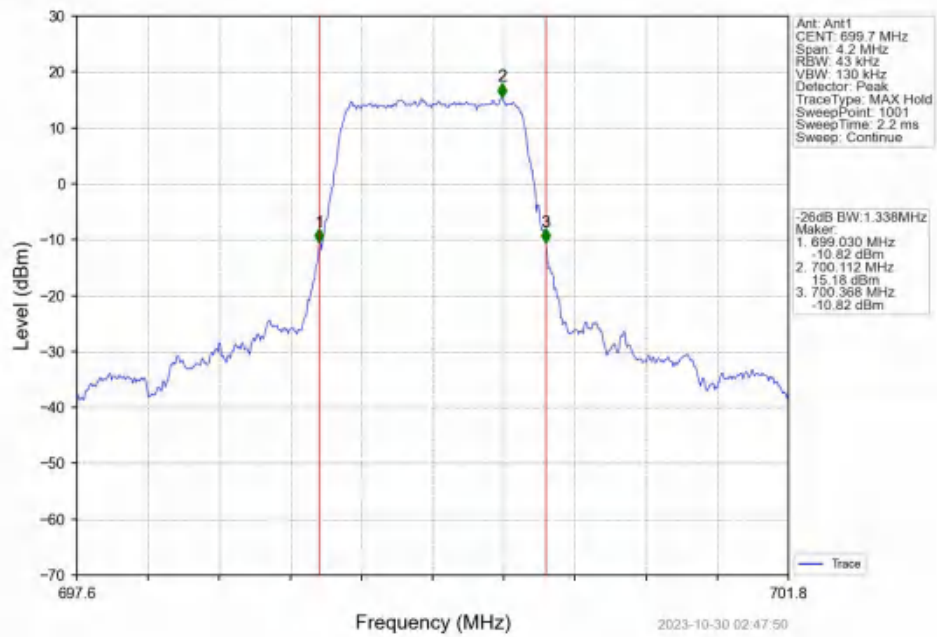
4.2.2 Test Graph



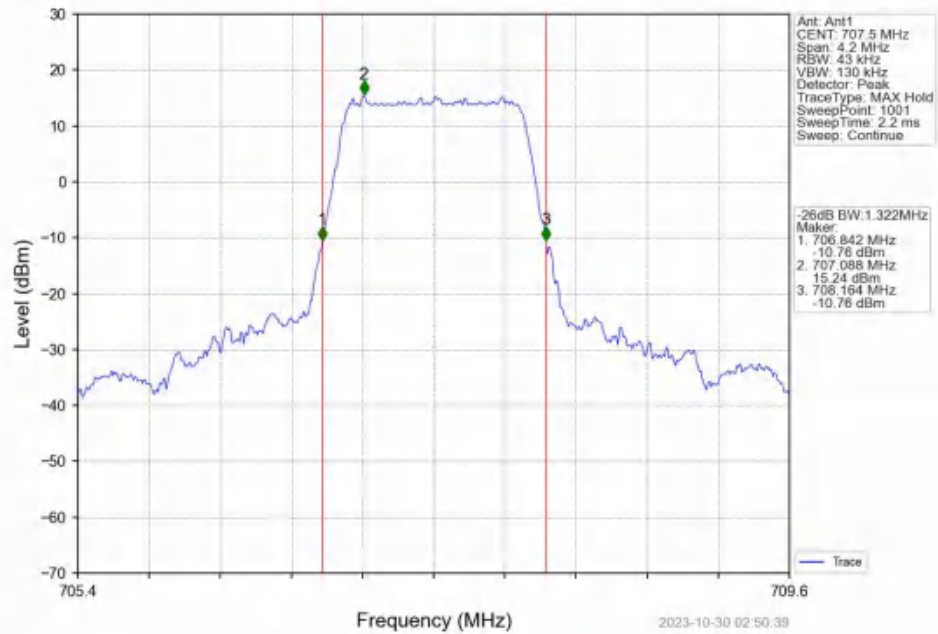
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



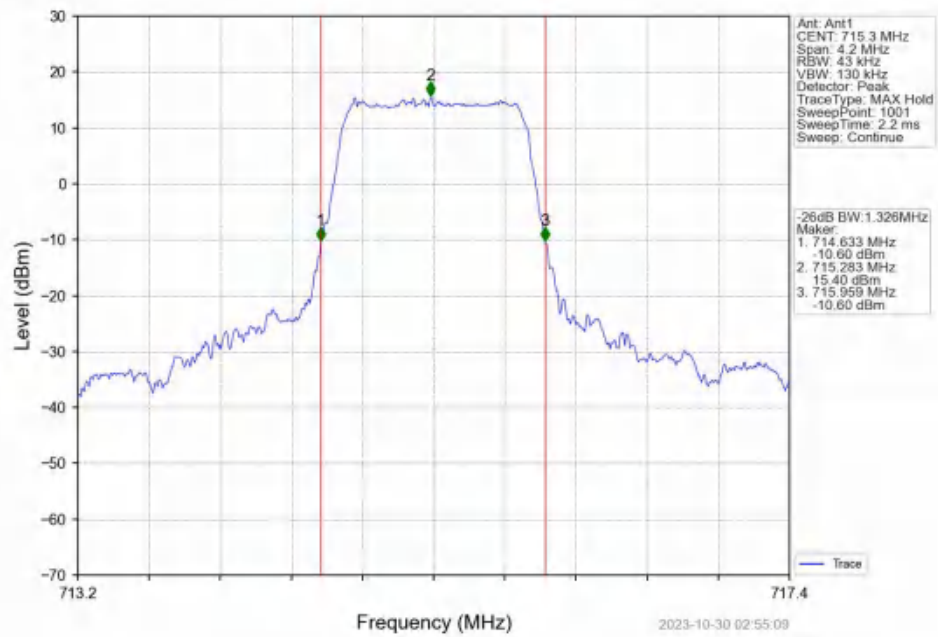
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



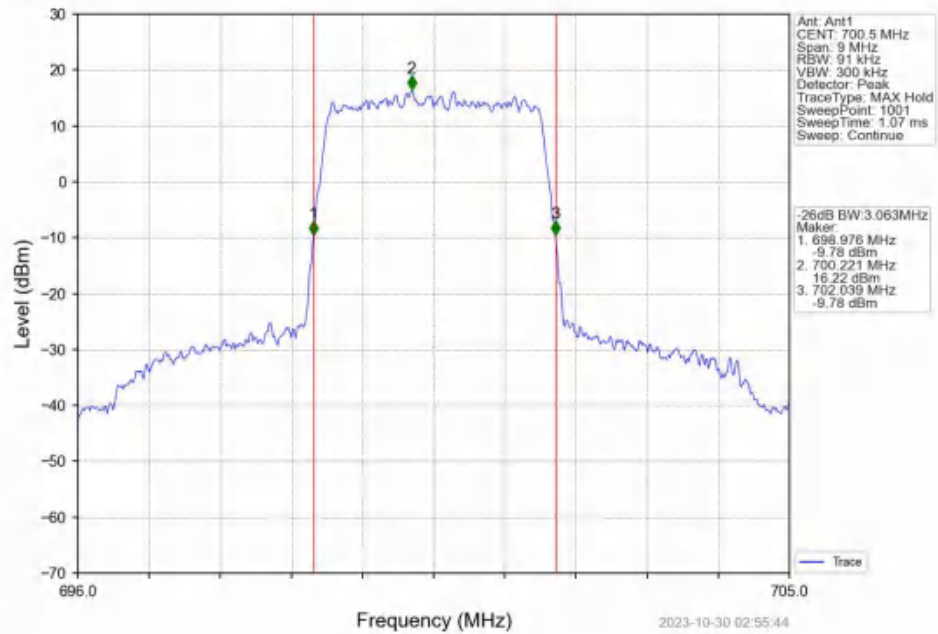
Band12 1.4MHz 16QAM MCH 707.5MHz RB_6_0 NTN



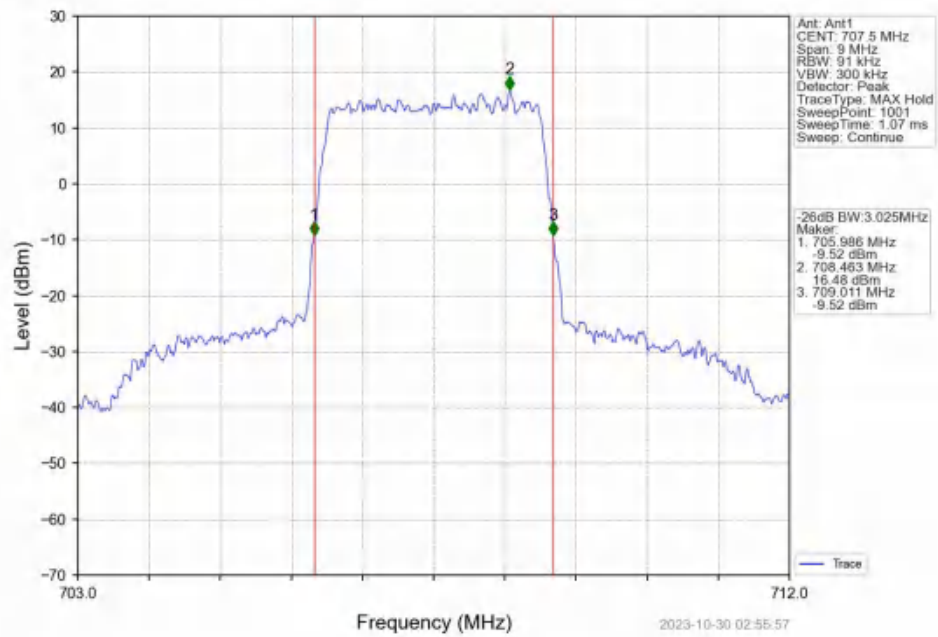
Band12 1.4MHz 16QAM HCH 715.3MHz RB_6_0 NTN



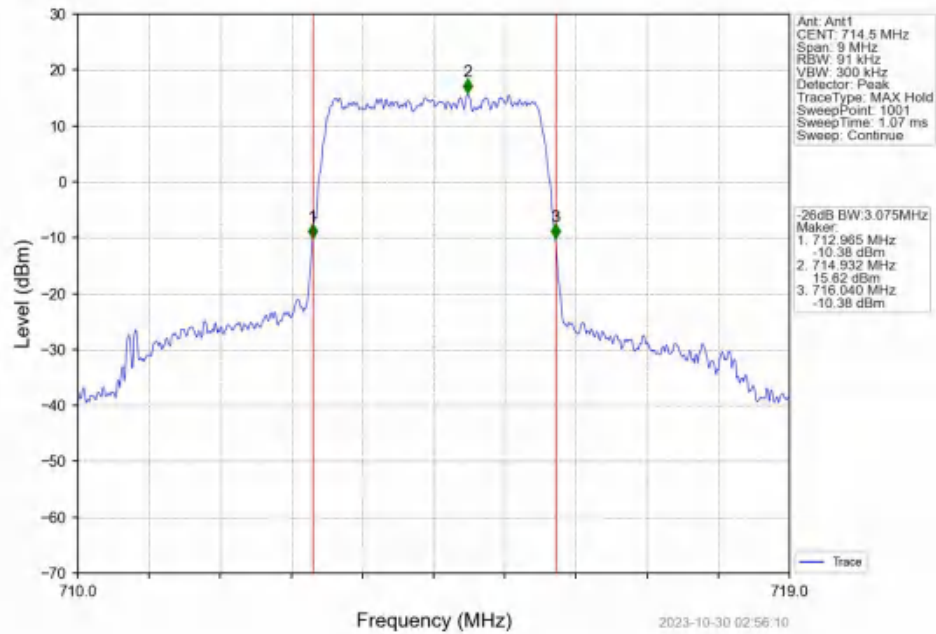
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



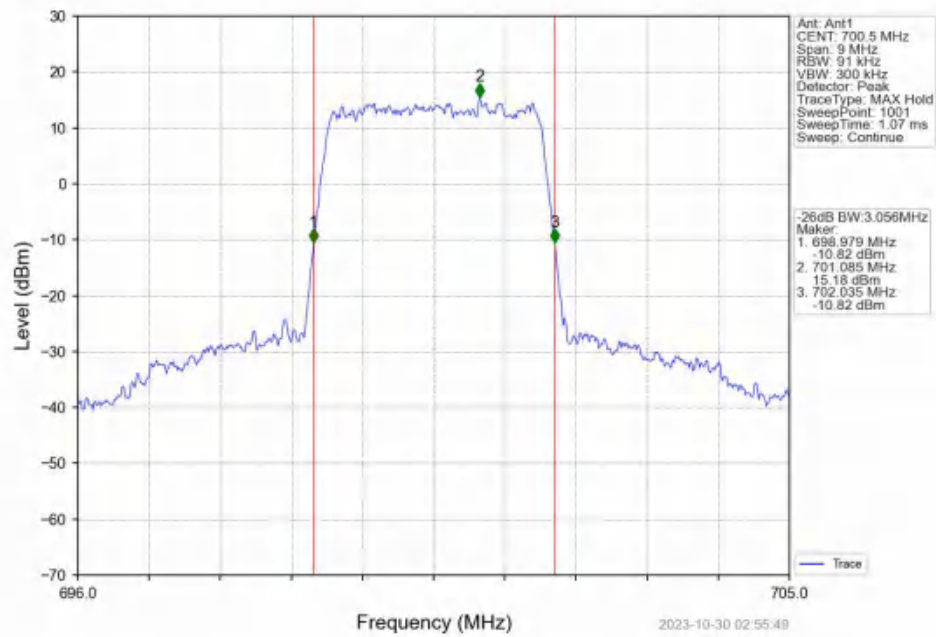
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



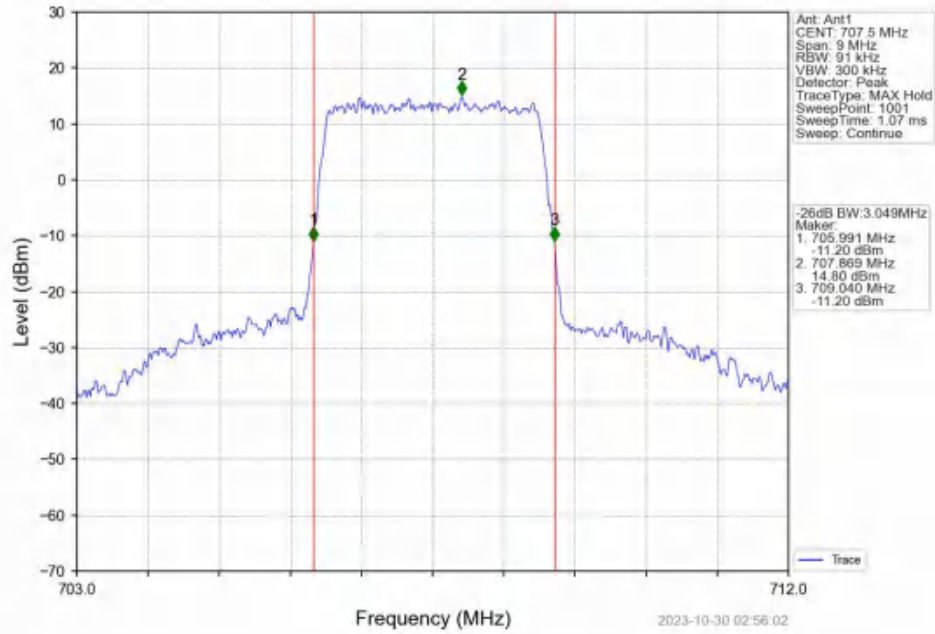
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



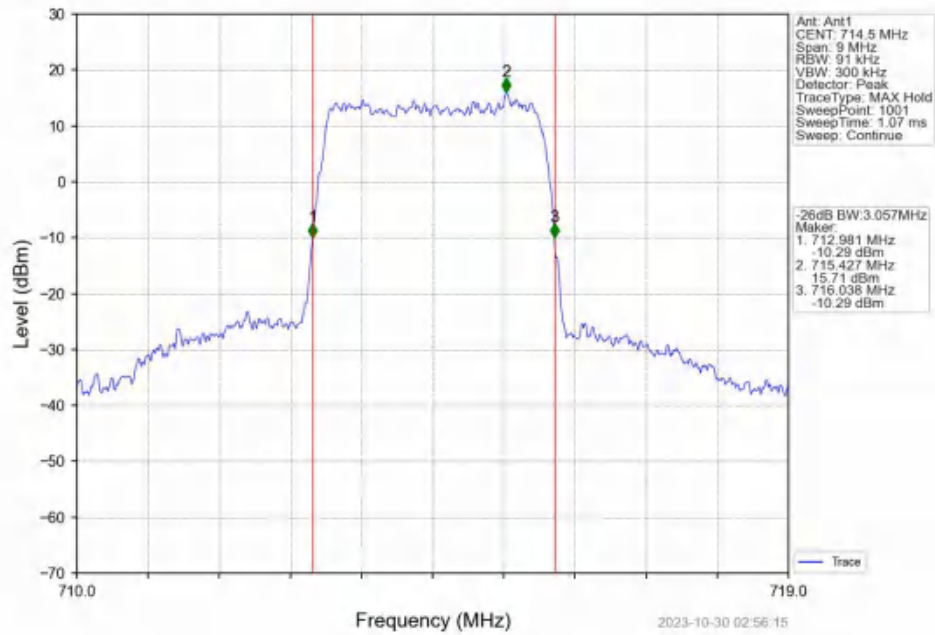
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



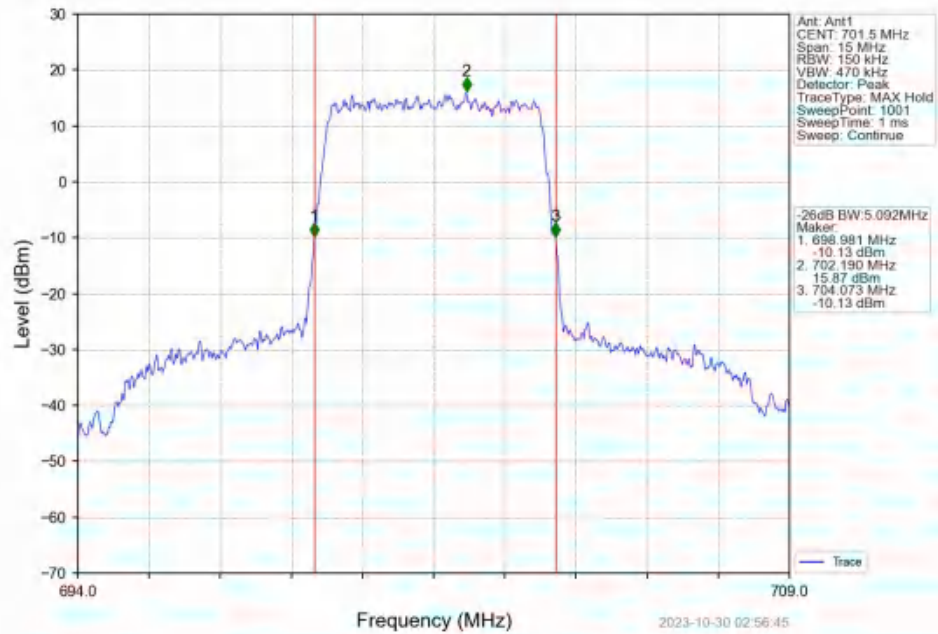
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



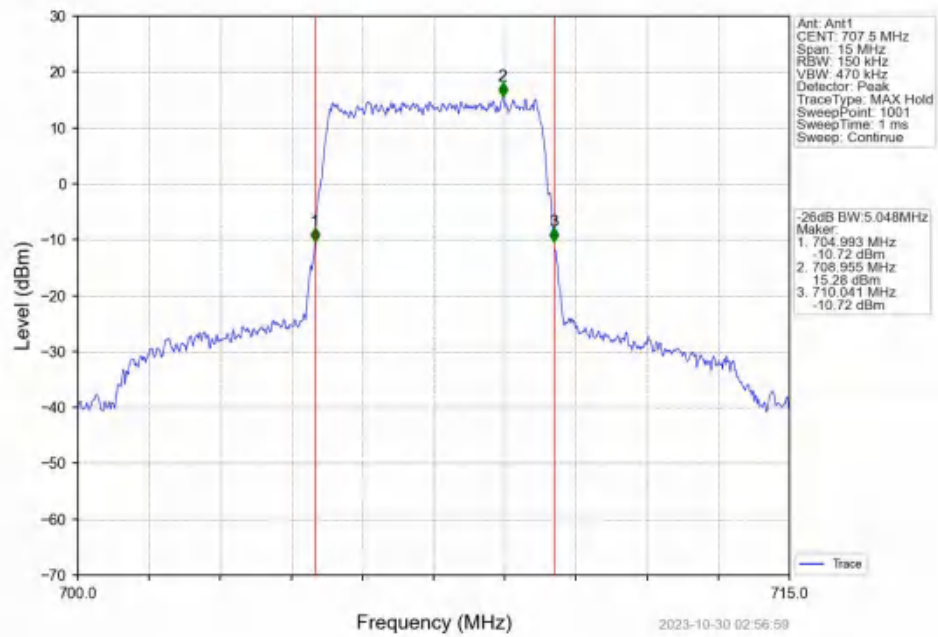
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



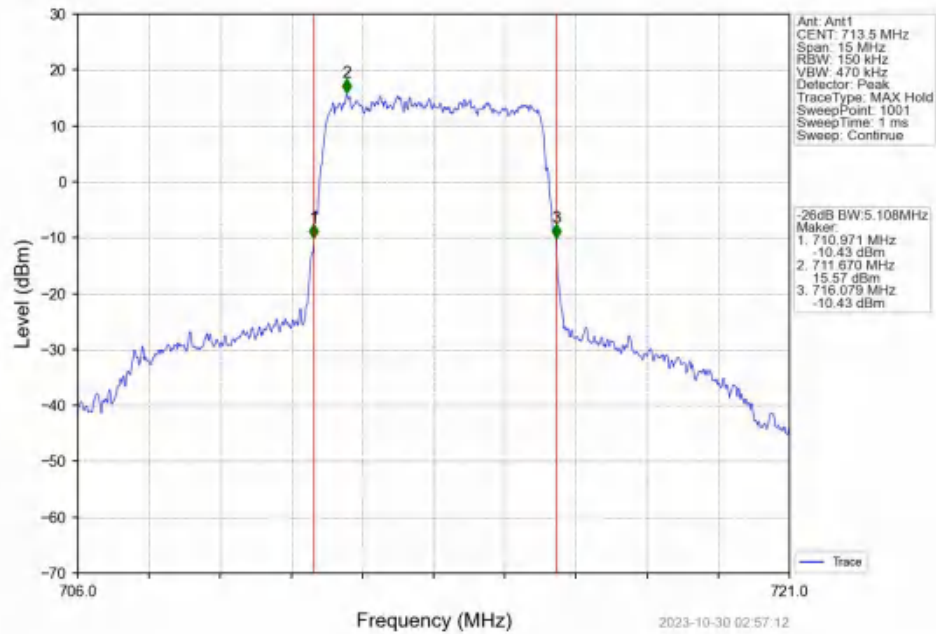
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



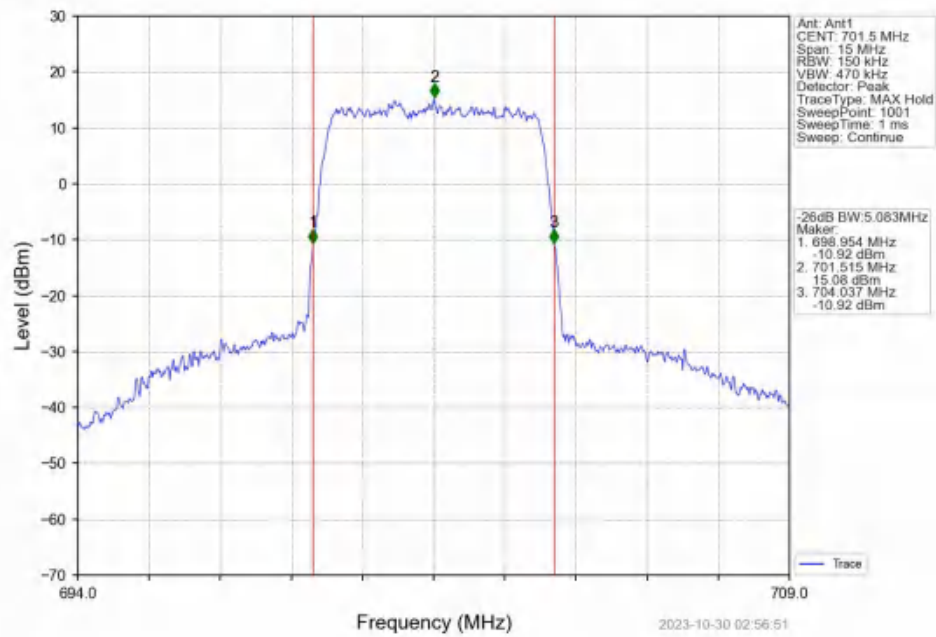
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



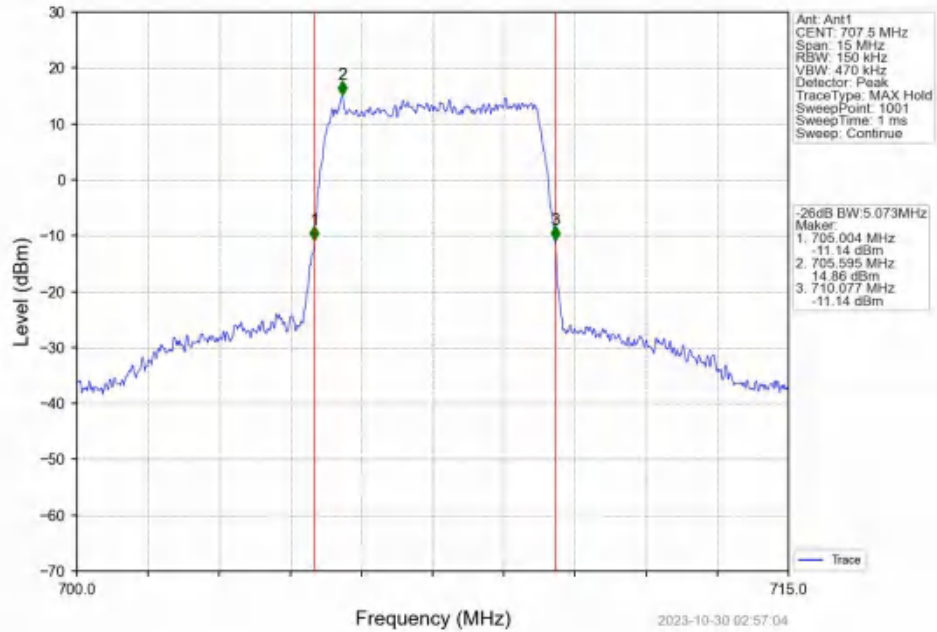
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



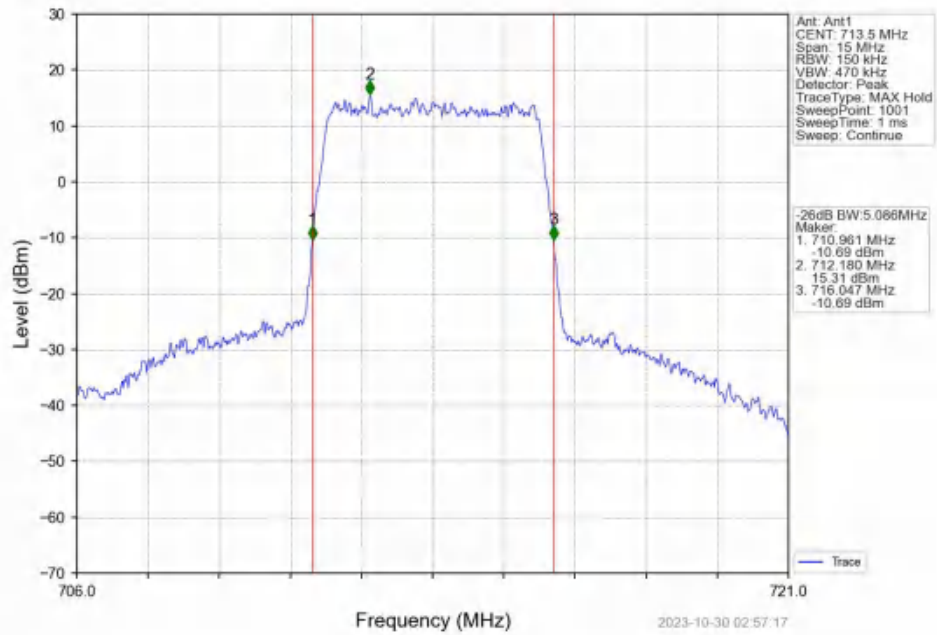
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



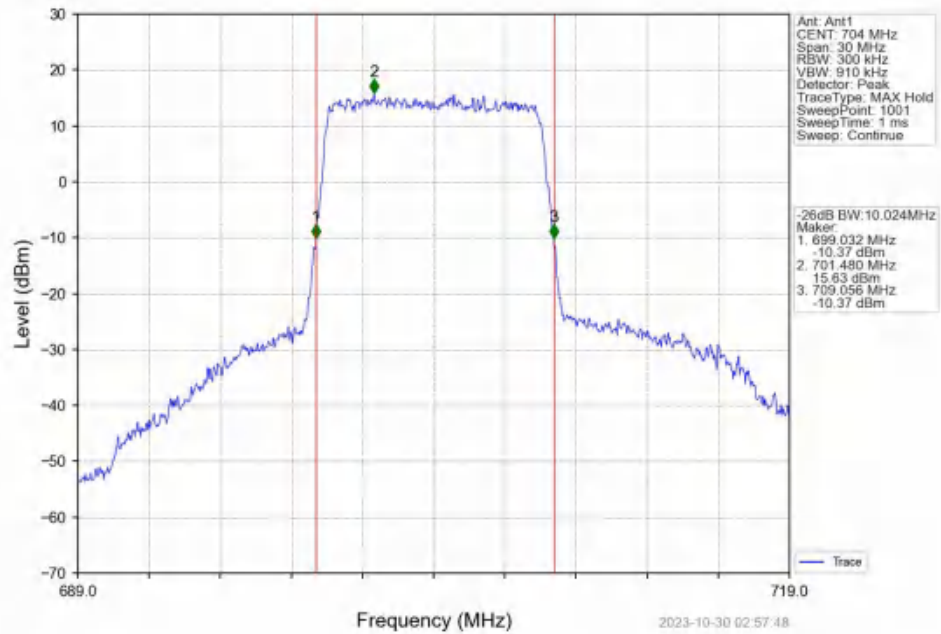
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



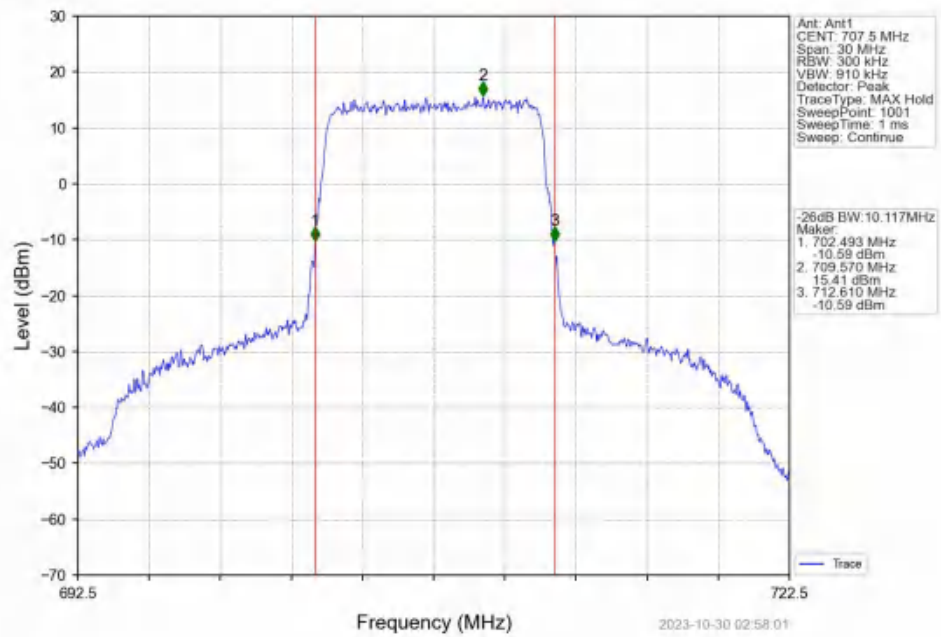
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



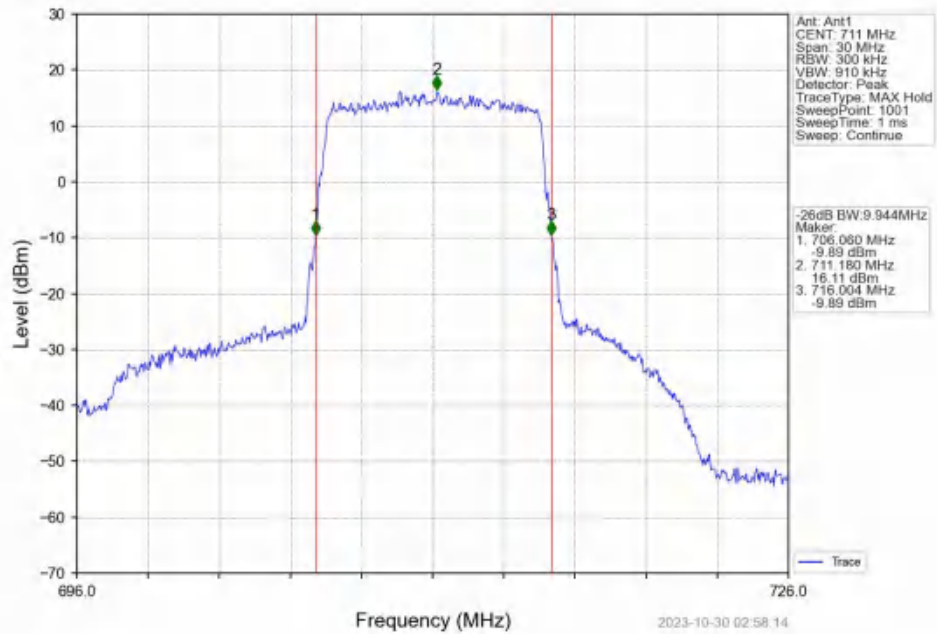
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



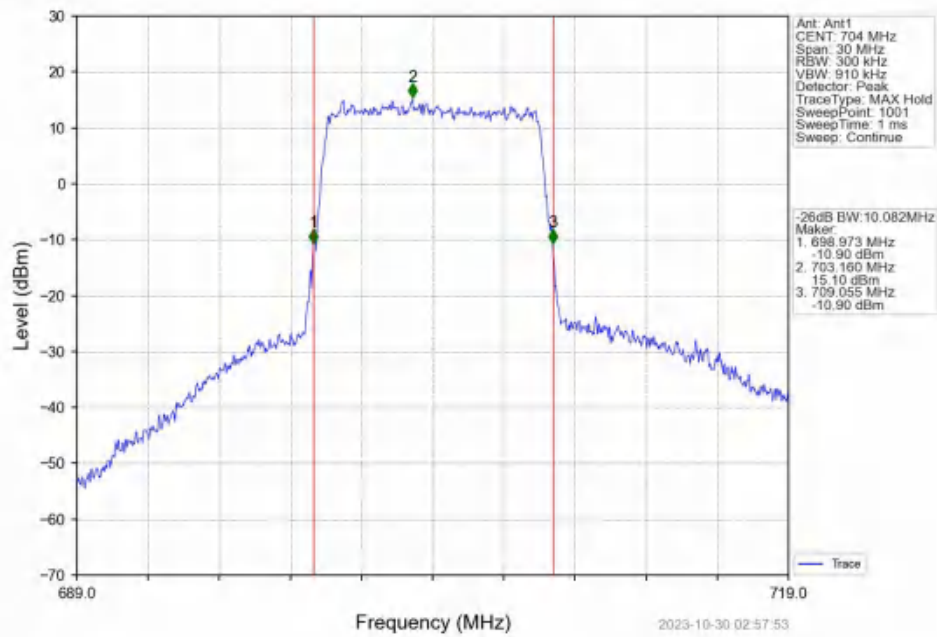
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



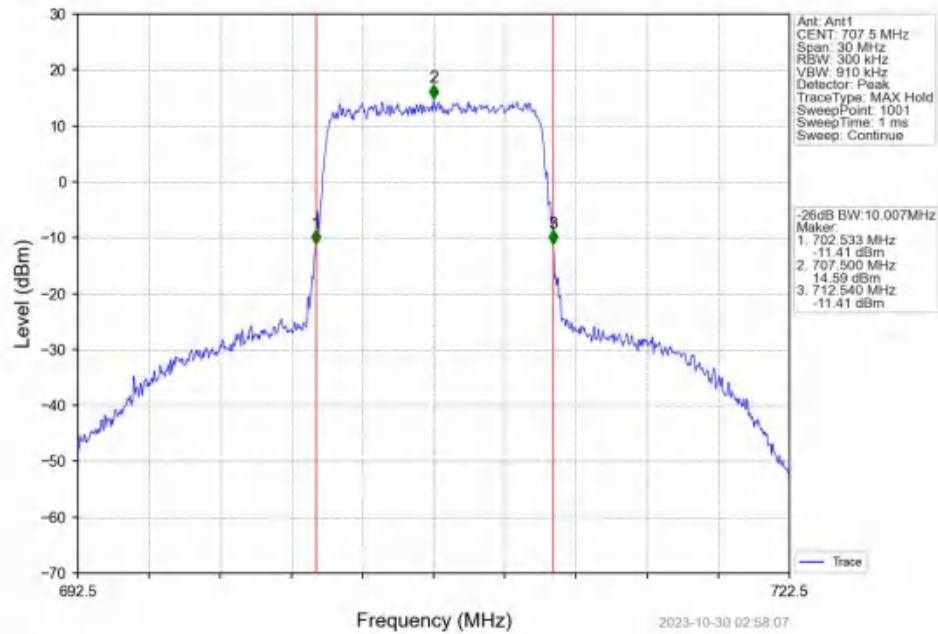
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



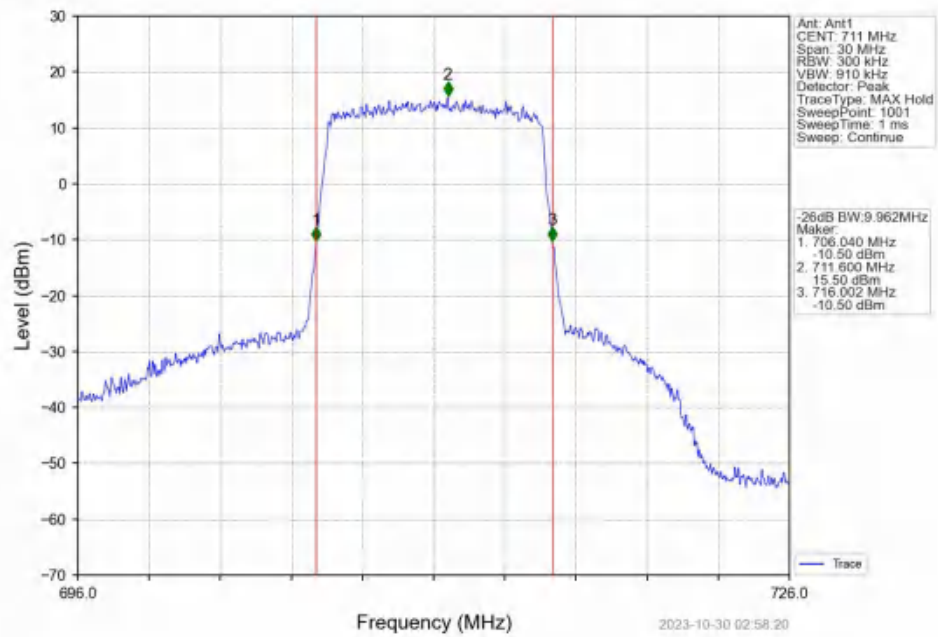
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



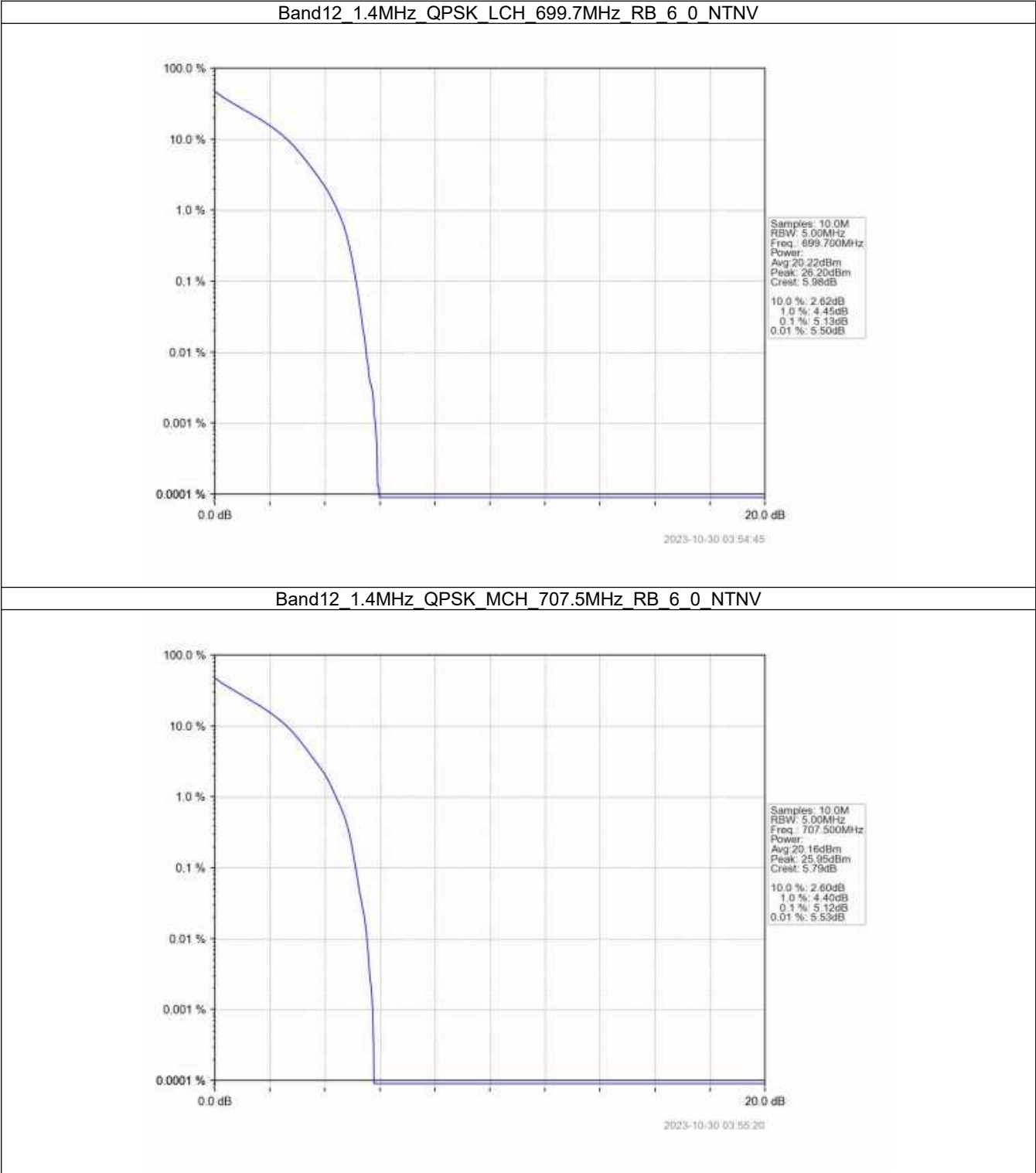
5. Peak-Average Ratio

5.1 B12_1.4MHz

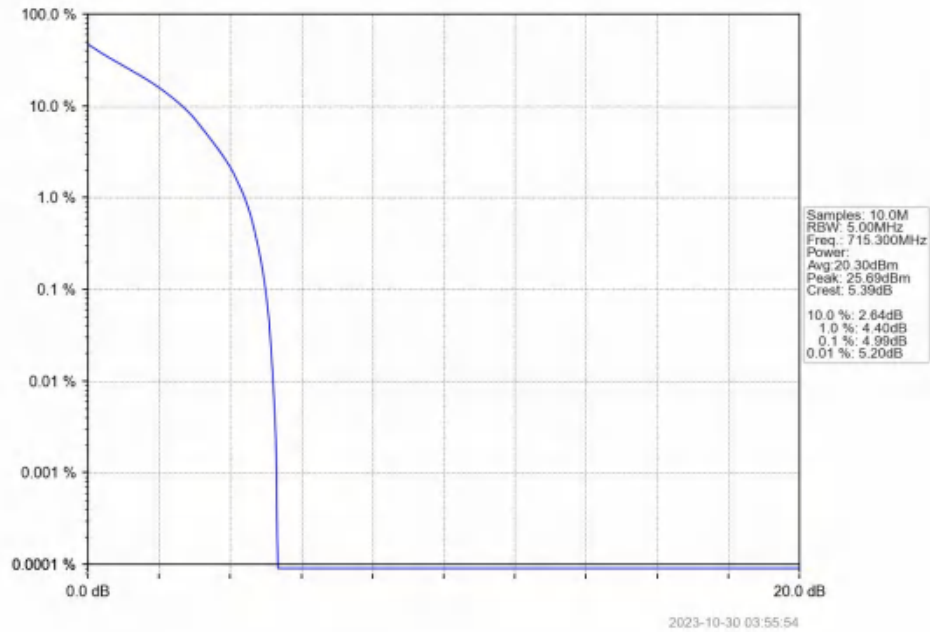
5.1.1 Test Result

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	5.13	<=13	Pass
	707.5	6	0	5.12	<=13	Pass
	715.3	6	0	4.99	<=13	Pass
16QAM	699.7	6	0	5.93	<=13	Pass
	707.5	6	0	5.96	<=13	Pass
	715.3	6	0	5.81	<=13	Pass

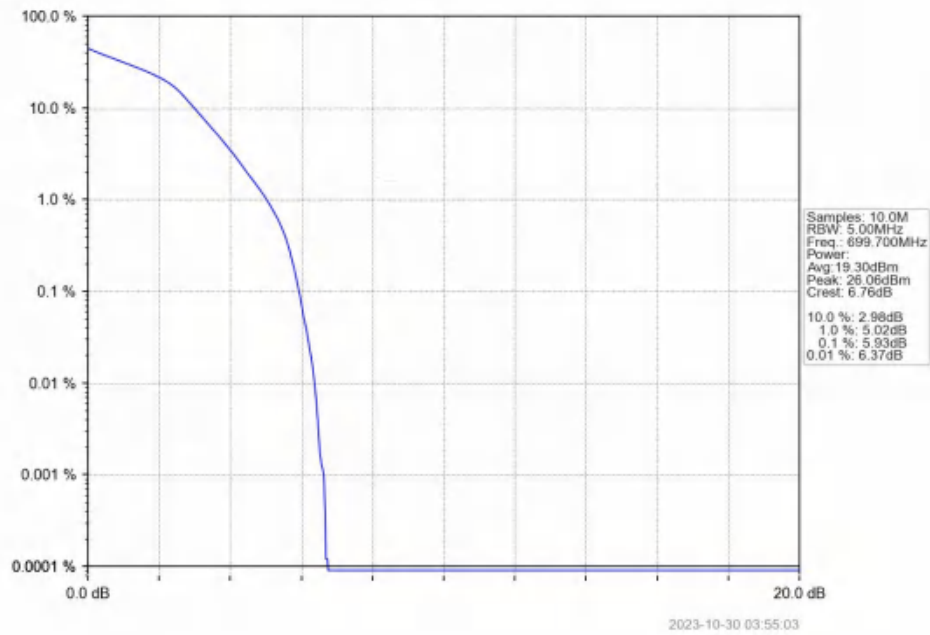
5.1.2 Test Graph



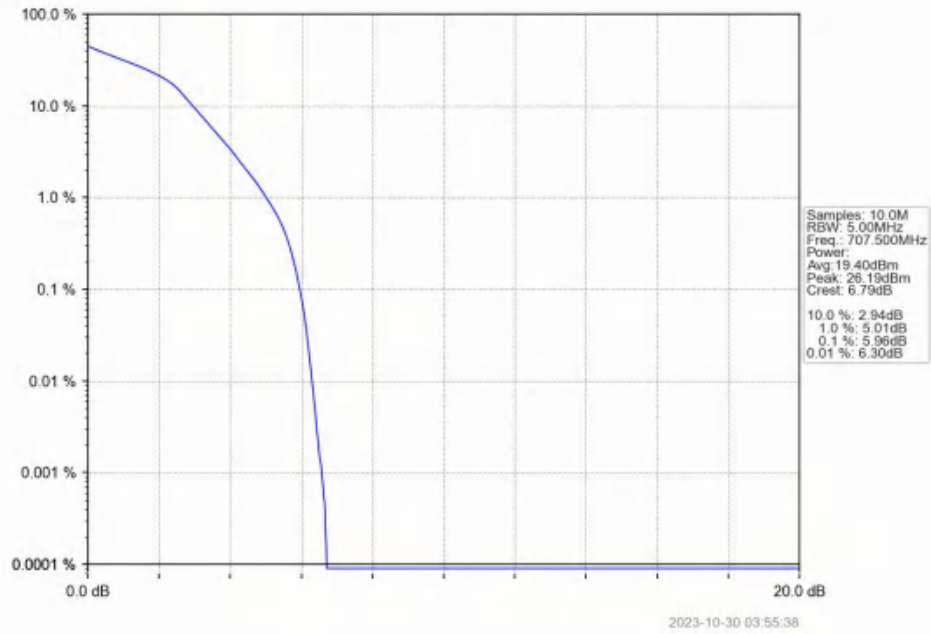
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



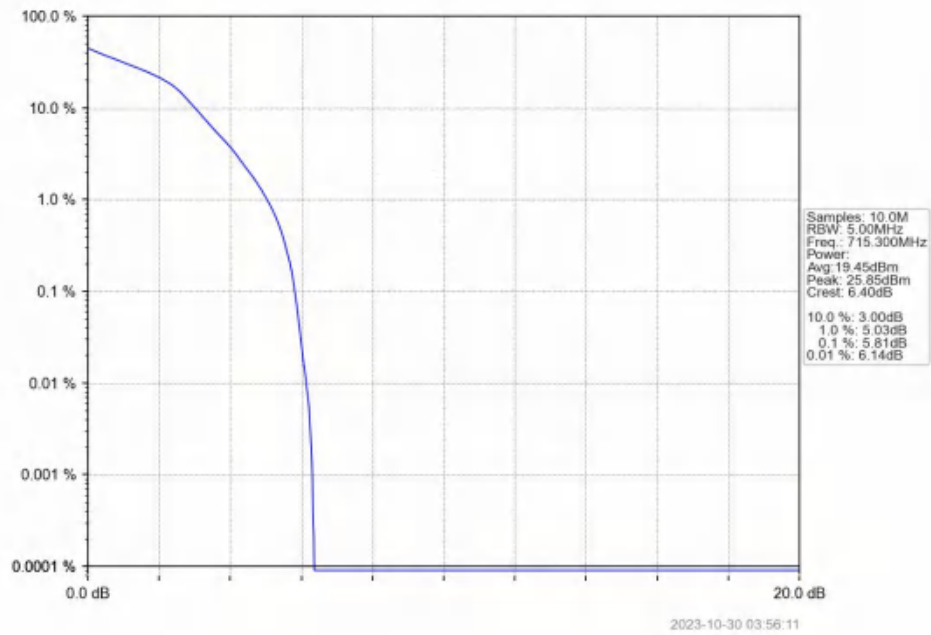
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12 1.4MHz 16QAM MCH 707.5MHz RB_6 0 NTNV



Band12 1.4MHz 16QAM HCH 715.3MHz RB_6 0 NTNV

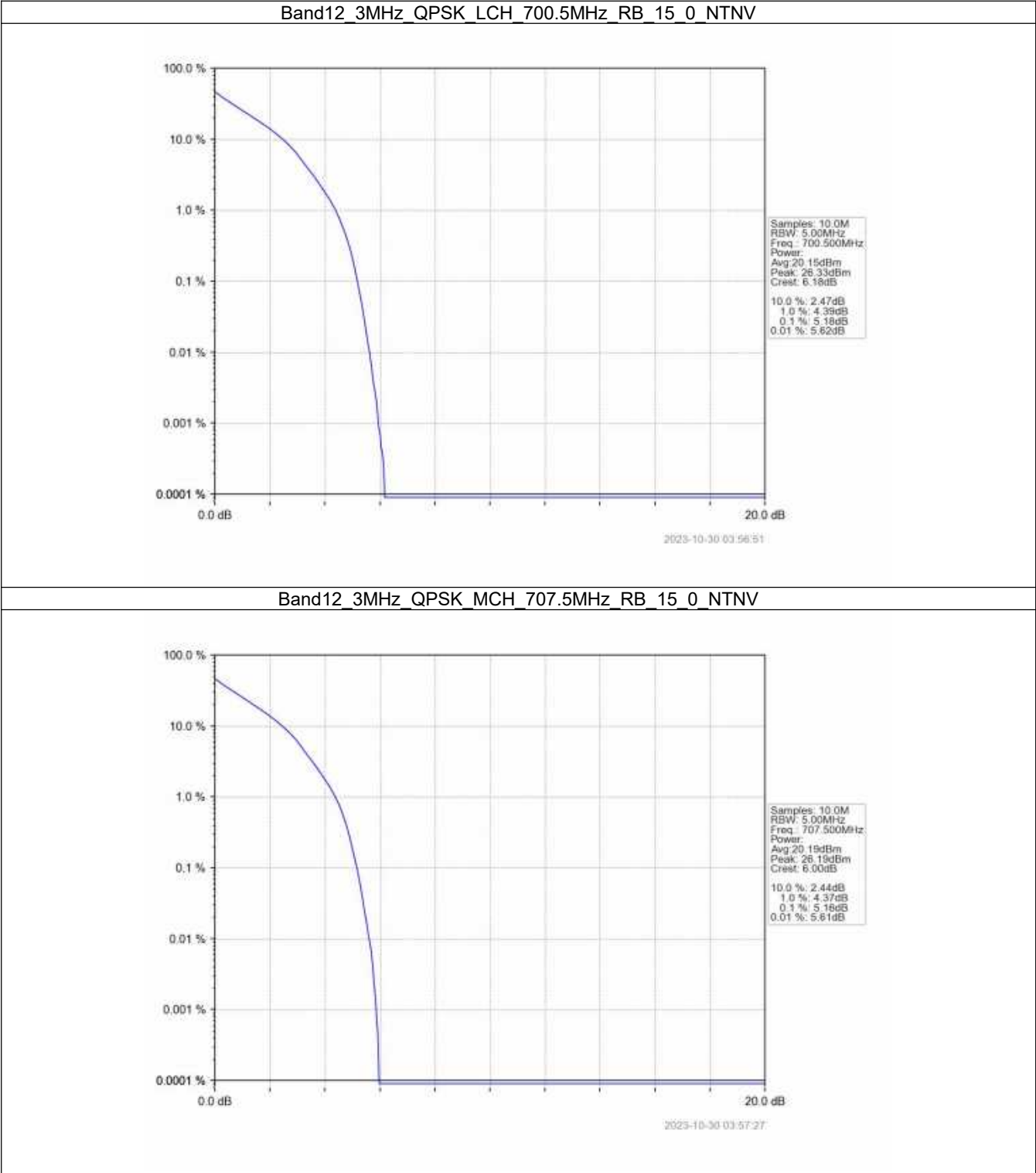


5.2 B12_3MHz

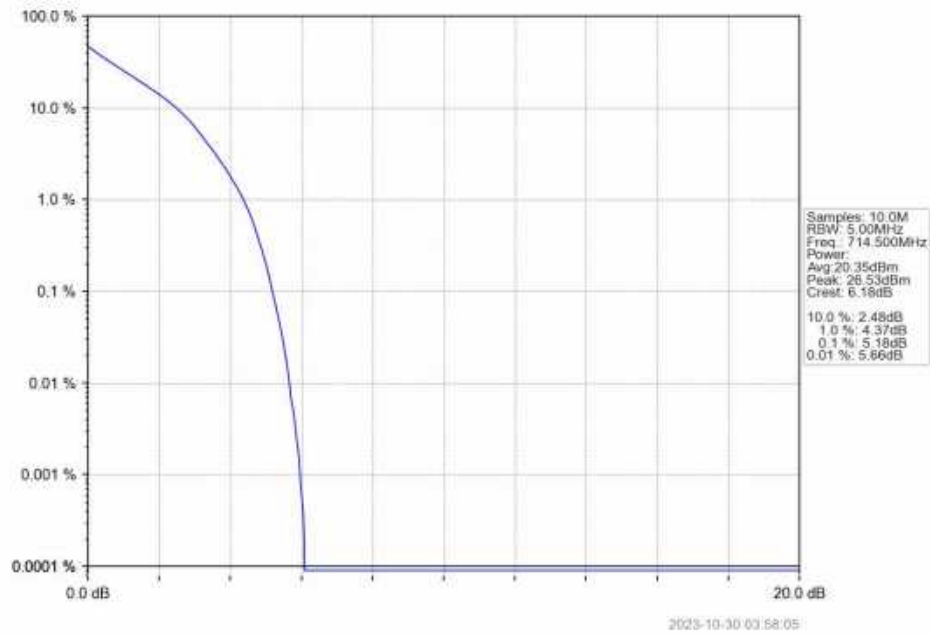
5.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.18	<=13	Pass
	707.5	15	0	5.16	<=13	Pass
	714.5	15	0	5.18	<=13	Pass
16QAM	700.5	15	0	5.97	<=13	Pass
	707.5	15	0	6.03	<=13	Pass
	714.5	15	0	5.97	<=13	Pass

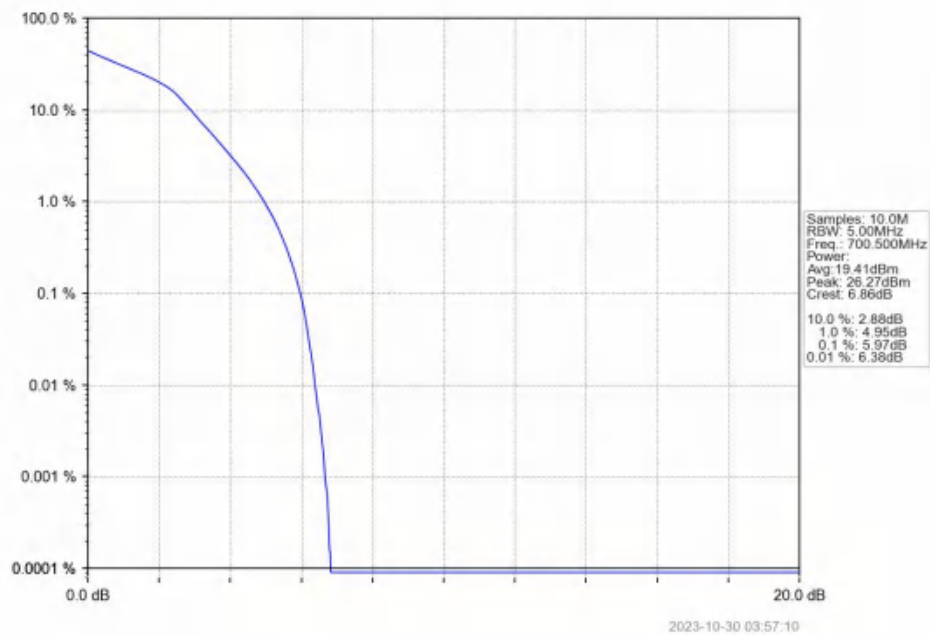
5.2.2 Test Graph



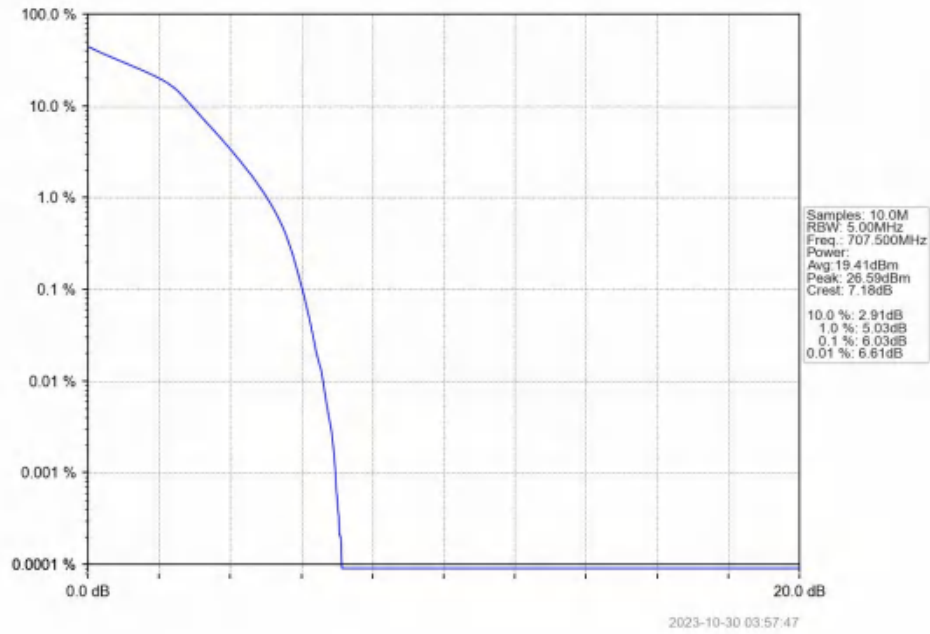
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



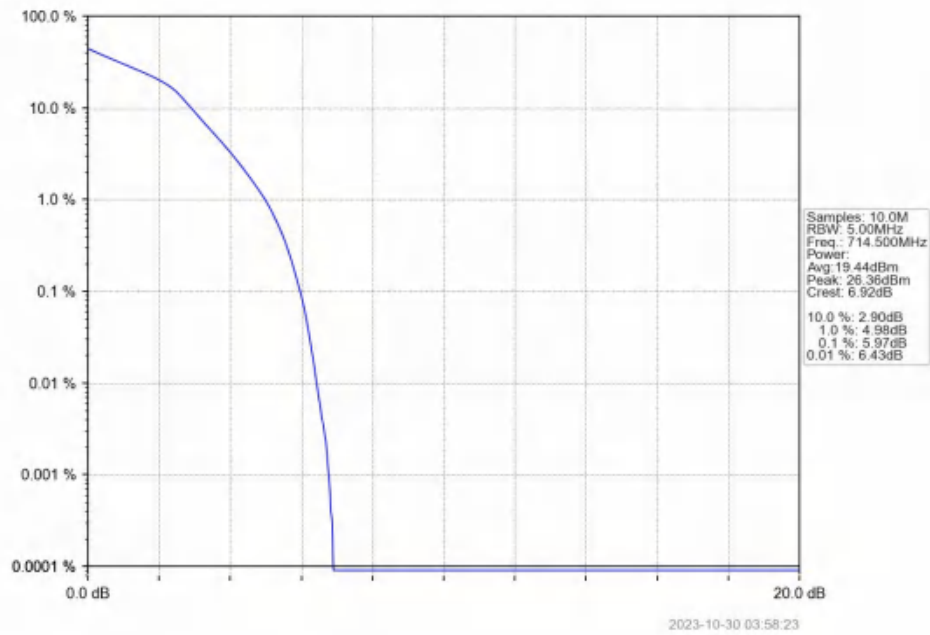
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



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



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

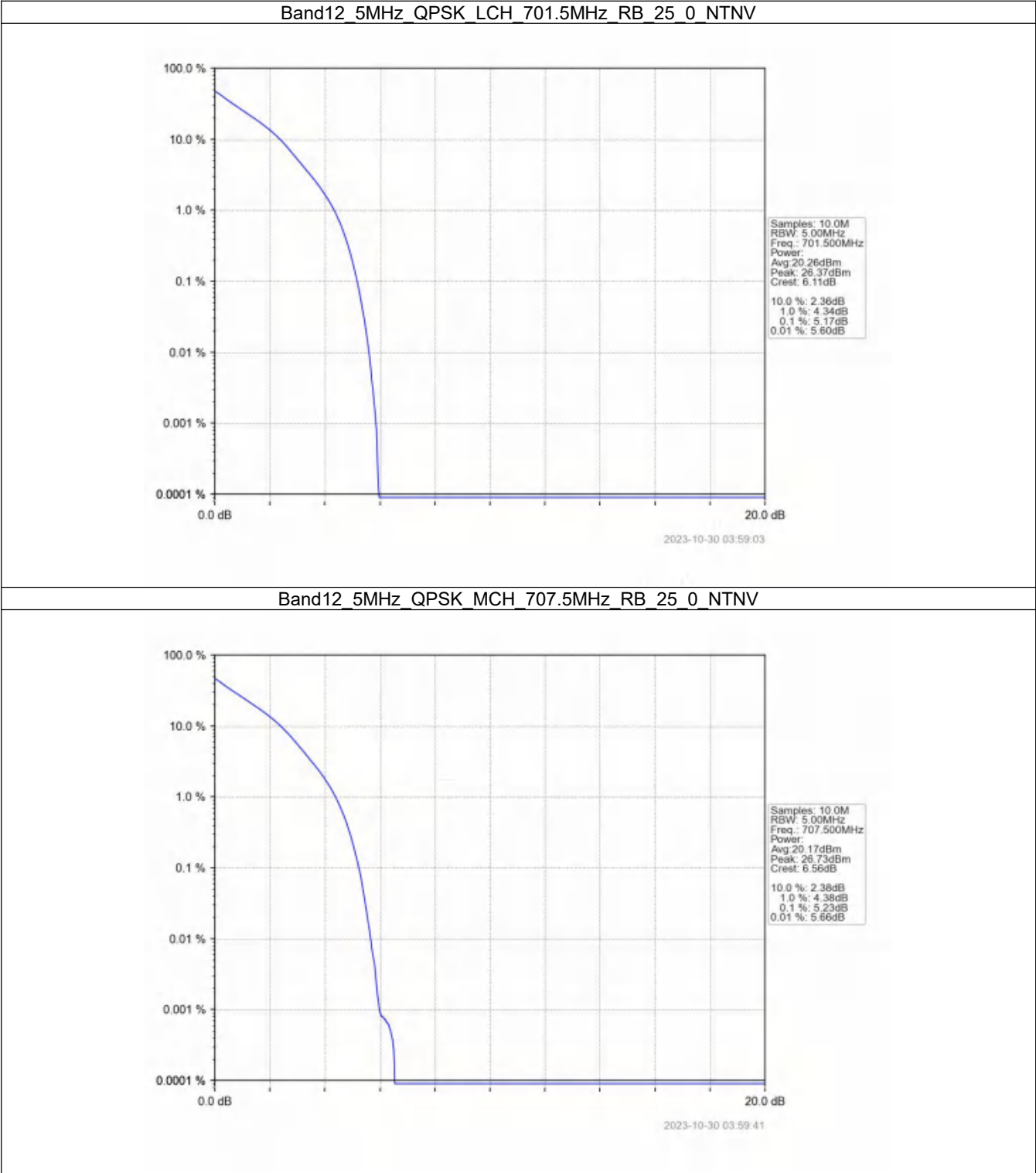


5.3 B12_5MHz

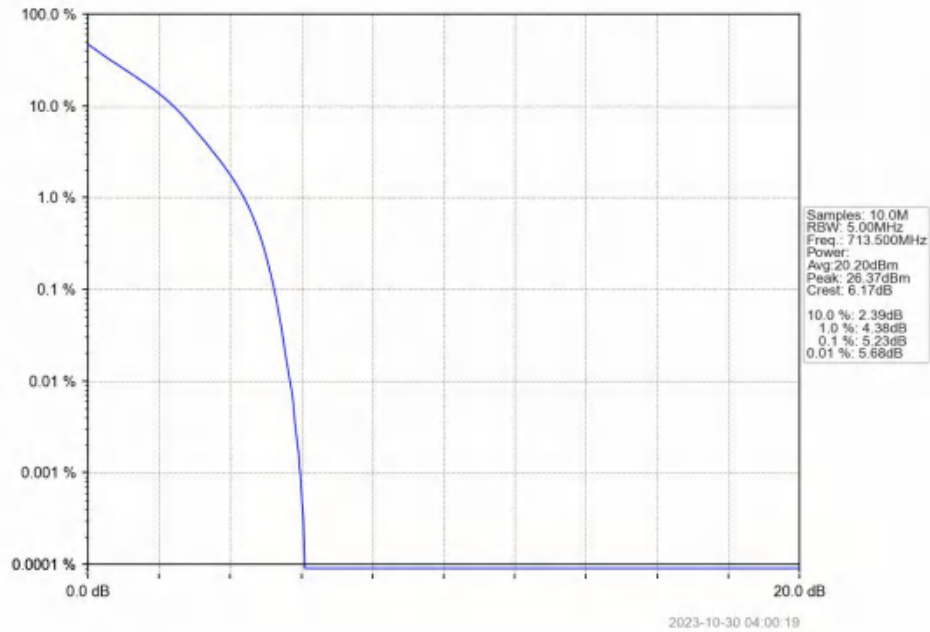
5.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.17	<=13	Pass
	707.5	25	0	5.23	<=13	Pass
	713.5	25	0	5.23	<=13	Pass
16QAM	701.5	25	0	5.95	<=13	Pass
	707.5	25	0	5.99	<=13	Pass
	713.5	25	0	5.97	<=13	Pass

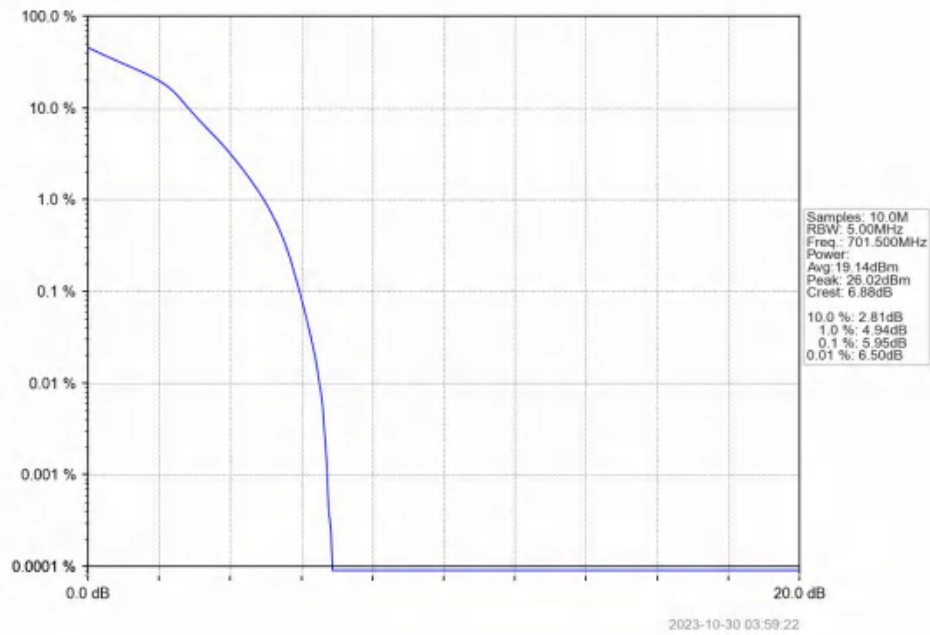
5.3.2 Test Graph



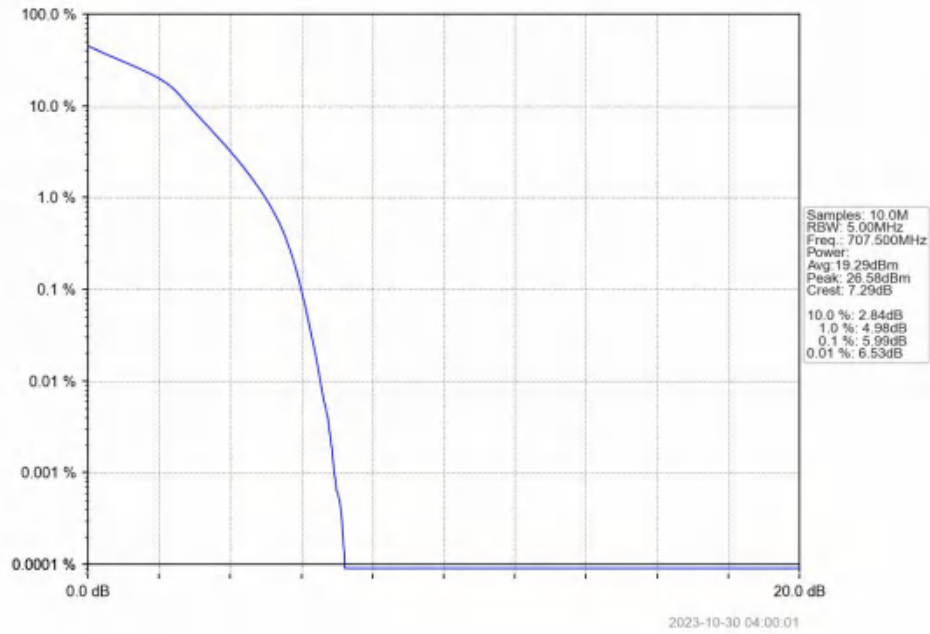
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



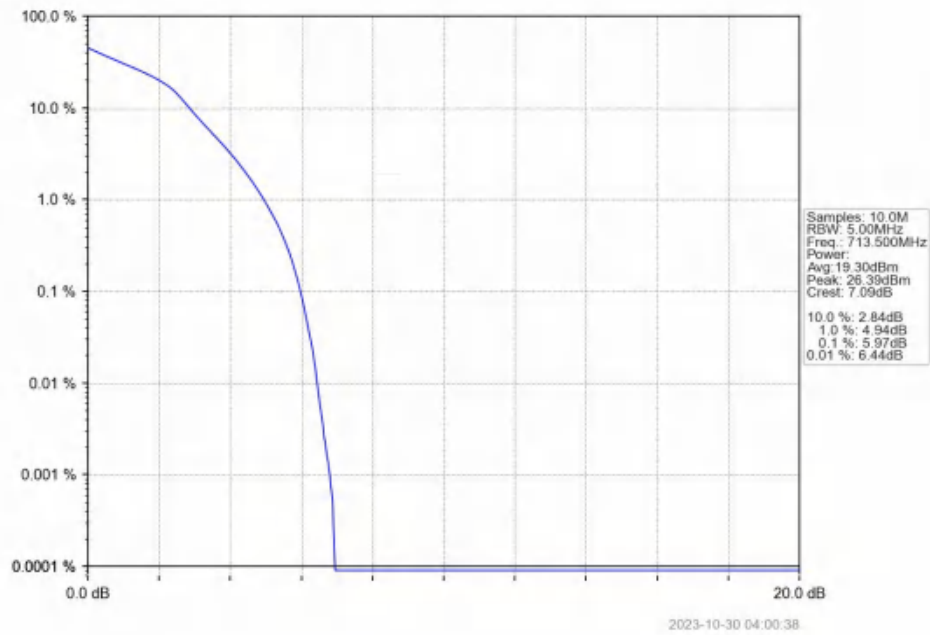
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



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

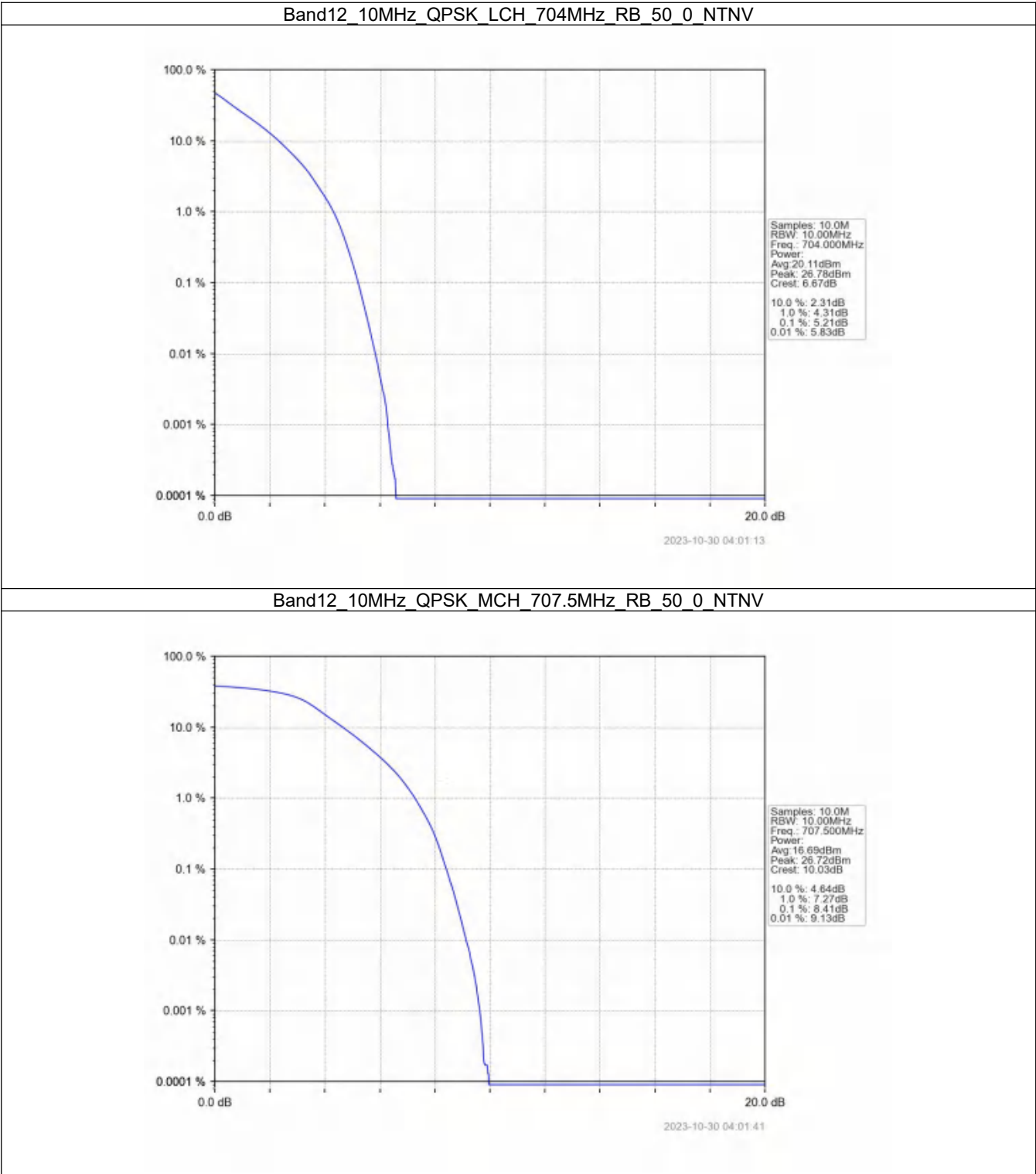


5.4 B12_10MHz

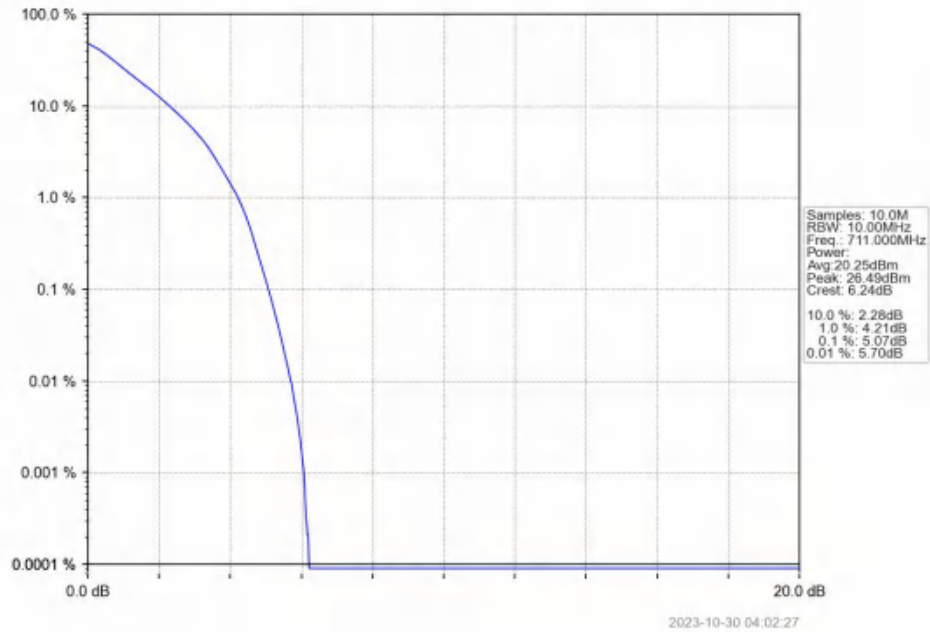
5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.21	<=13	Pass
	707.5	50	0	8.41	<=13	Pass
	711	50	0	5.07	<=13	Pass
16QAM	704	50	0	5.98	<=13	Pass
	707.5	50	0	6.01	<=13	Pass
	711	50	0	5.92	<=13	Pass

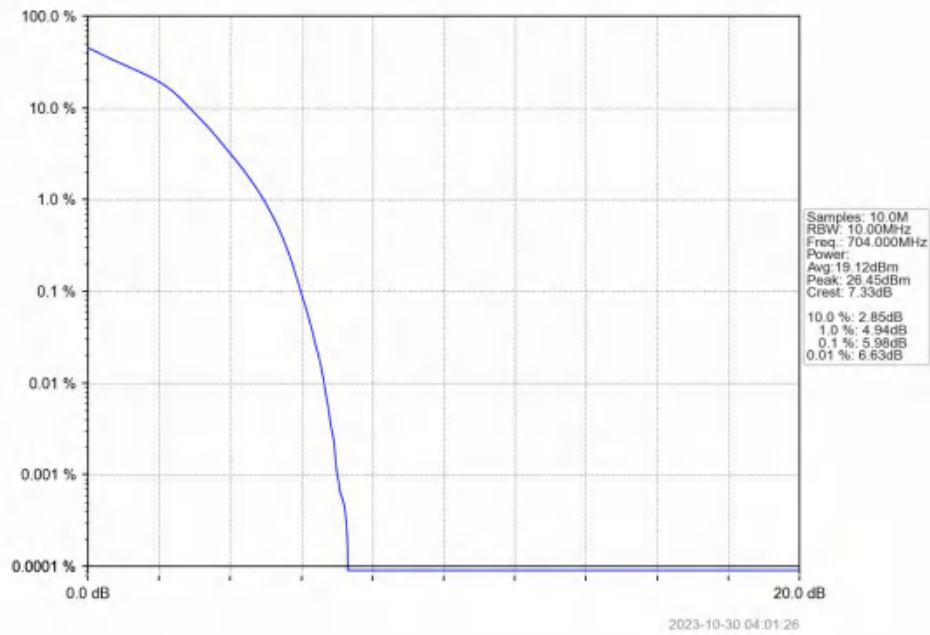
5.4.2 Test Graph



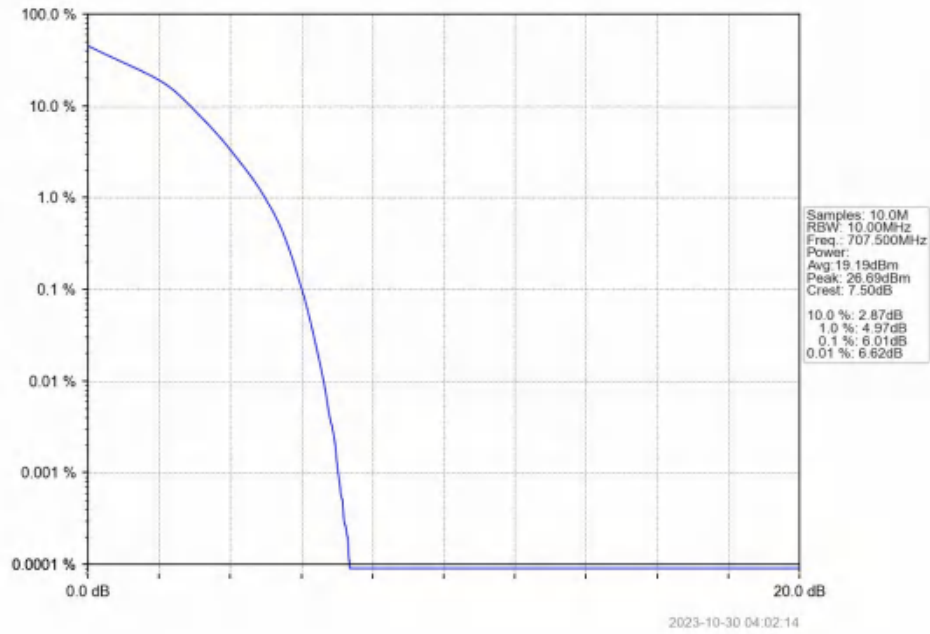
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



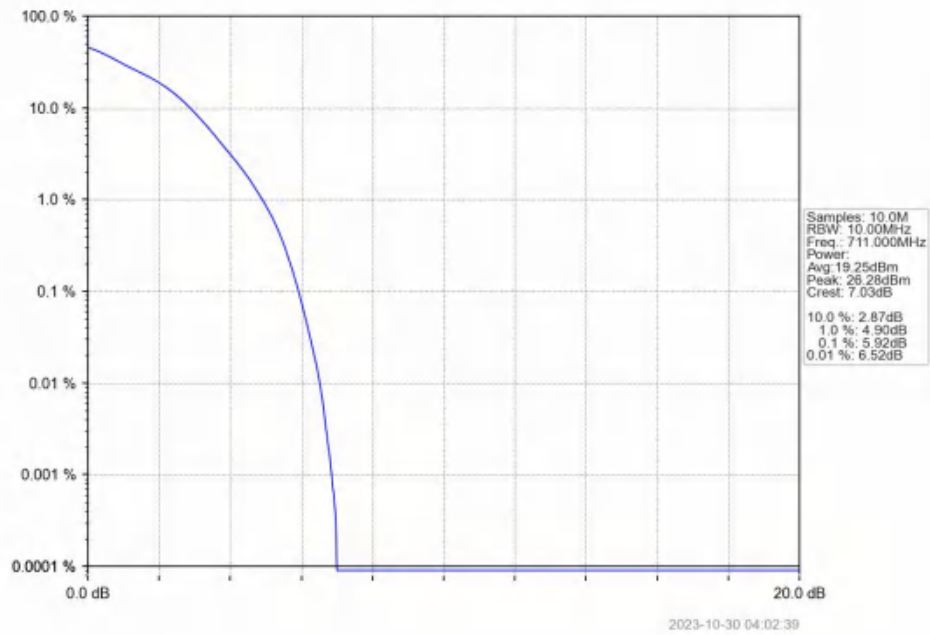
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



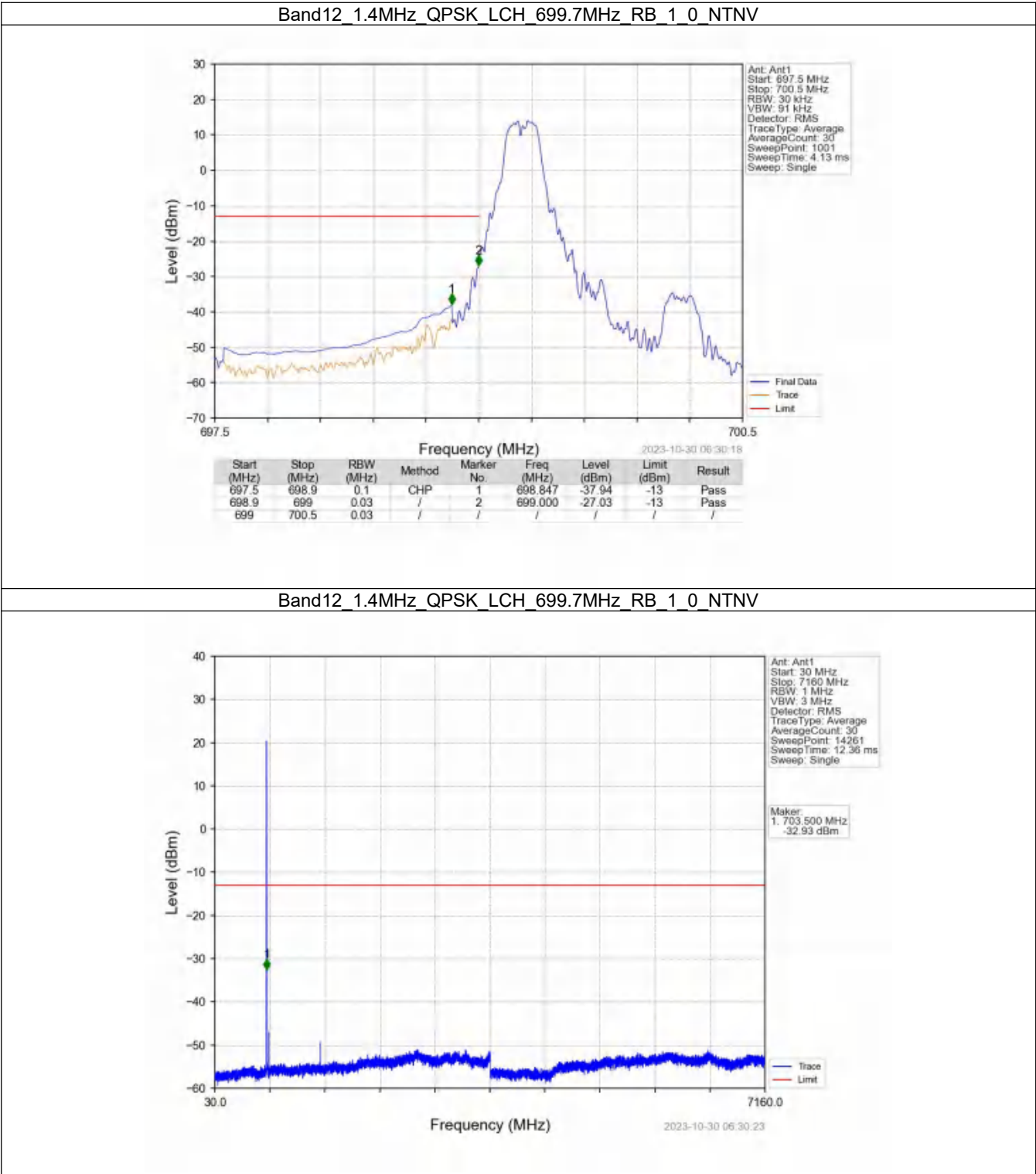
6. Spurious Emission

6.1 B12_1.4MHz

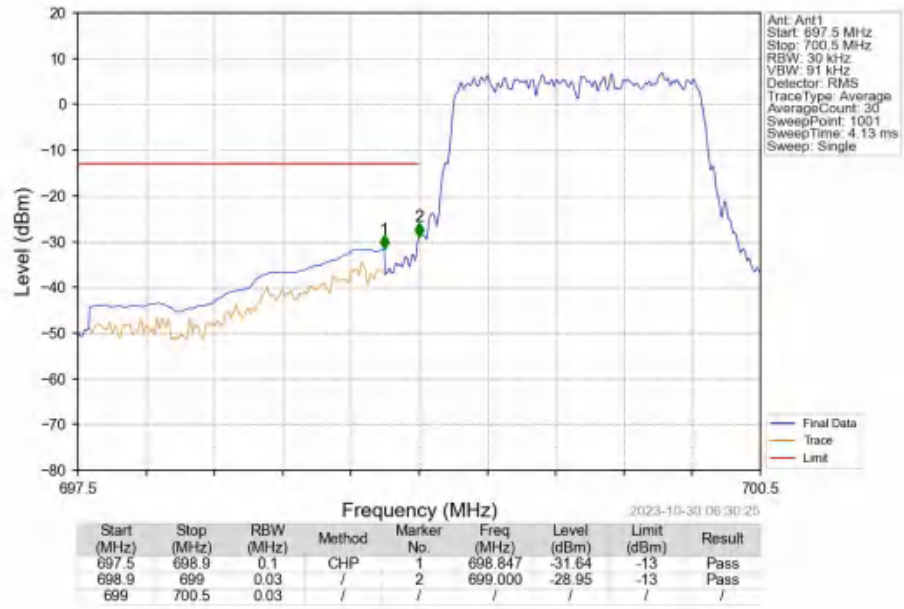
6.1.1 Test Result

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

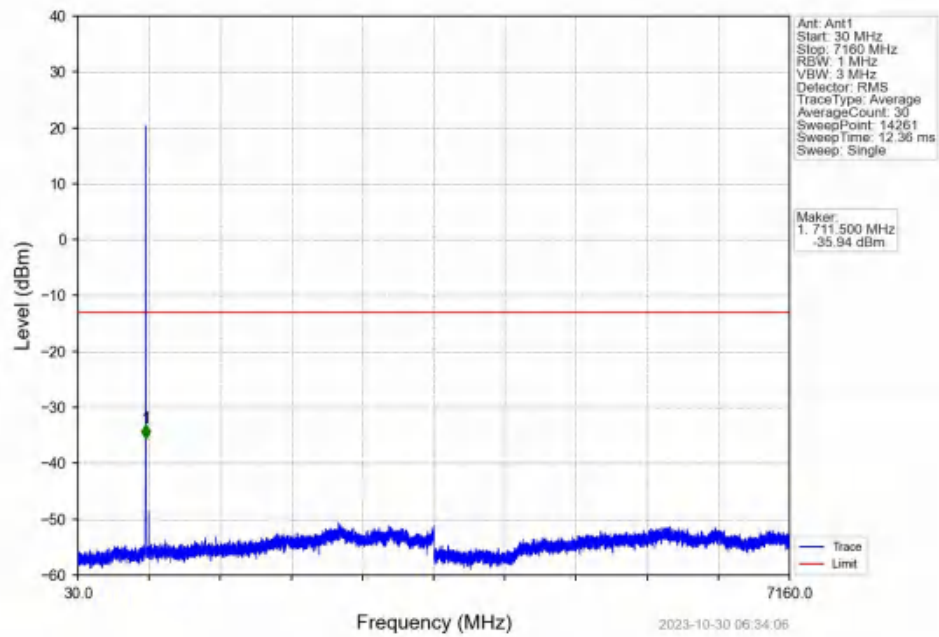
6.1.2 Test Graph



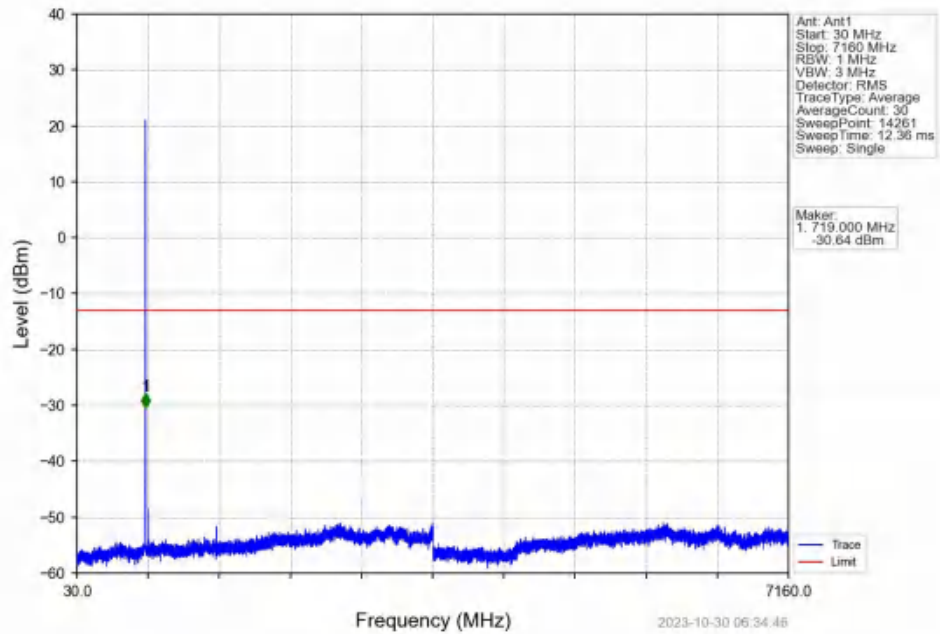
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



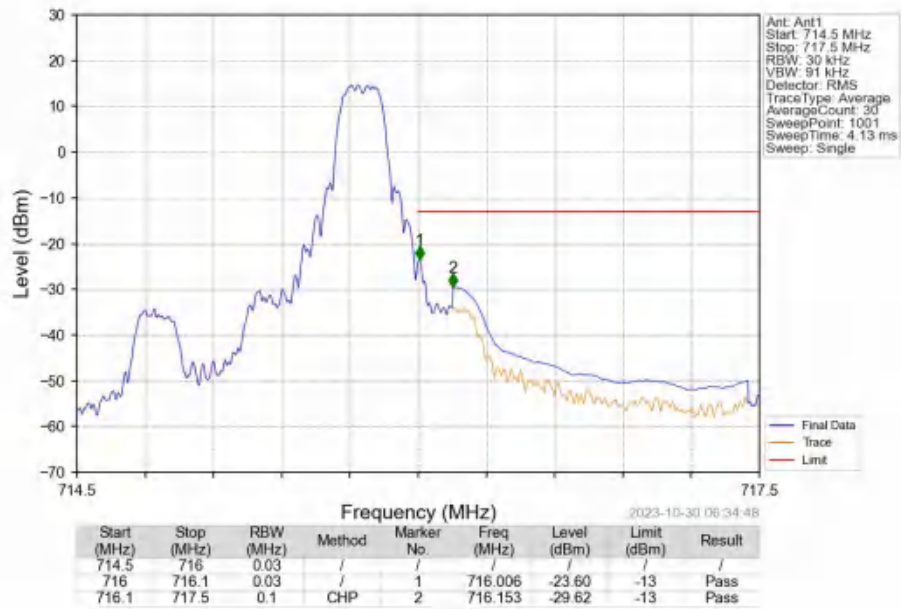
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



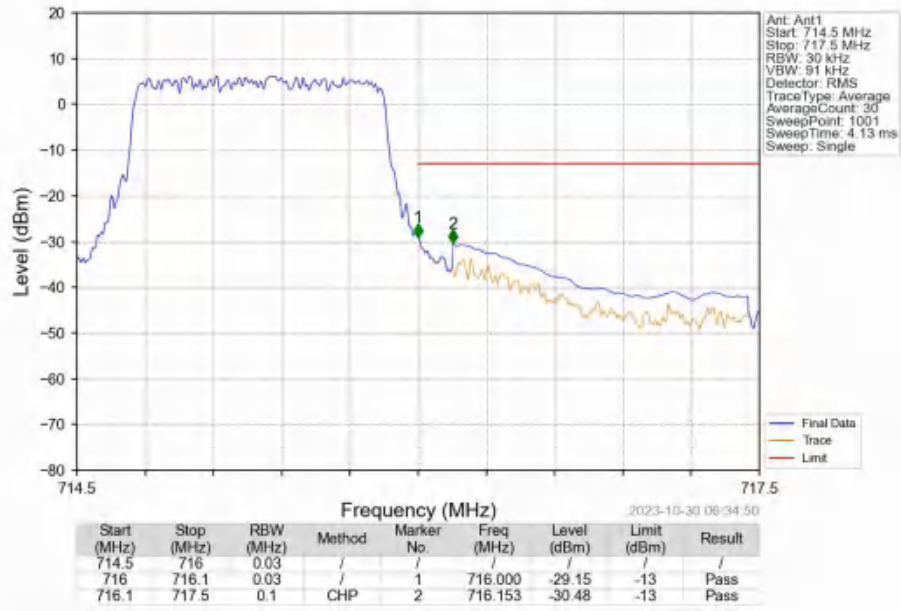
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



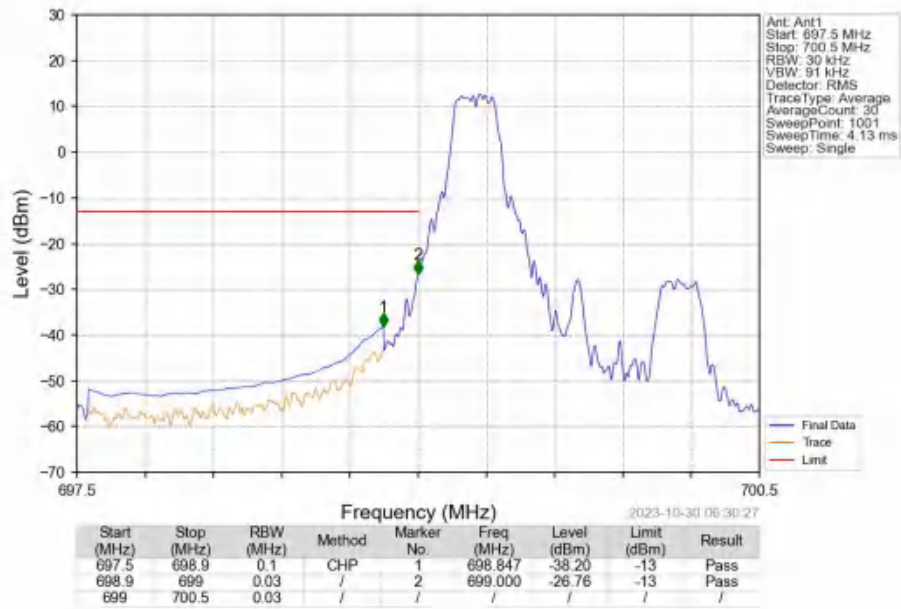
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



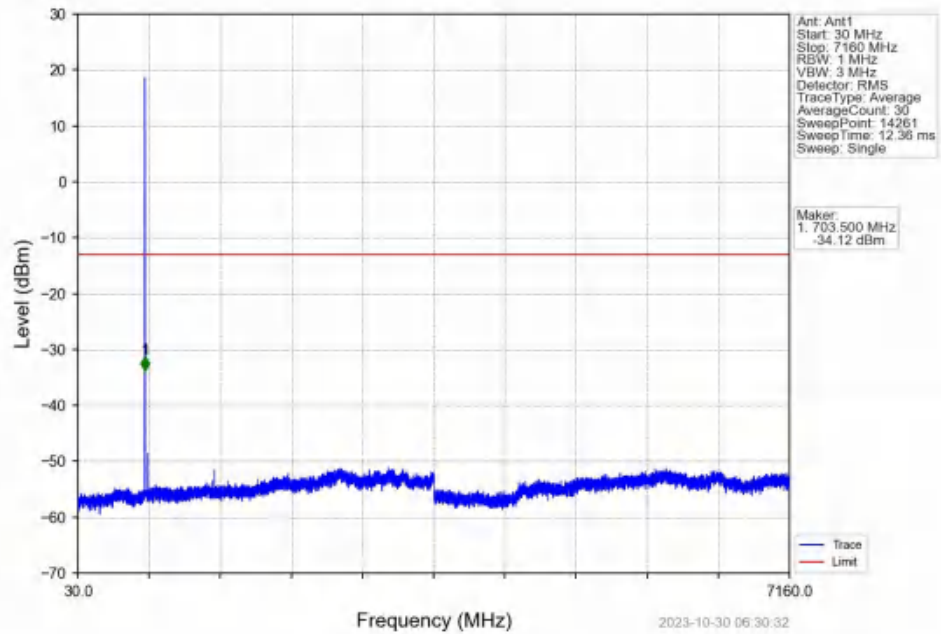
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



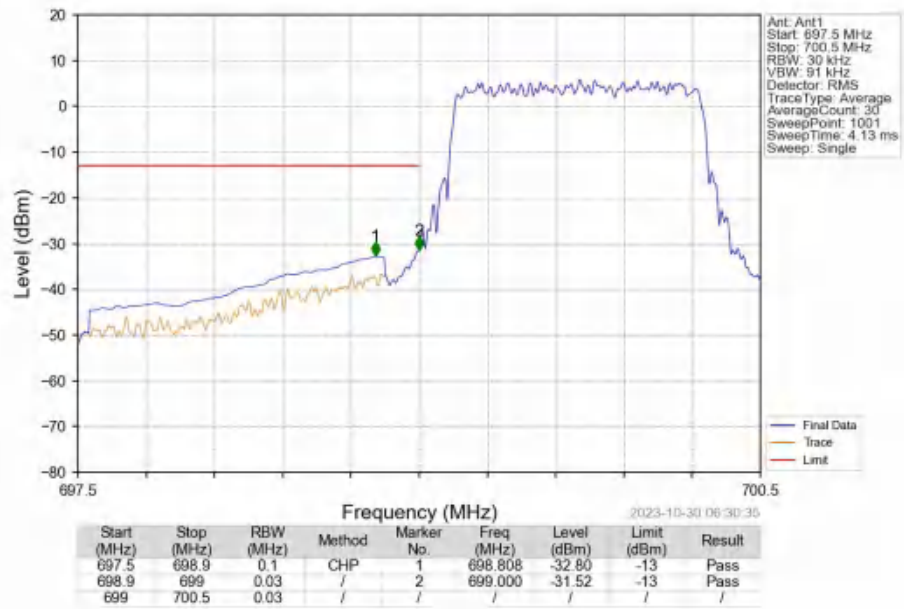
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



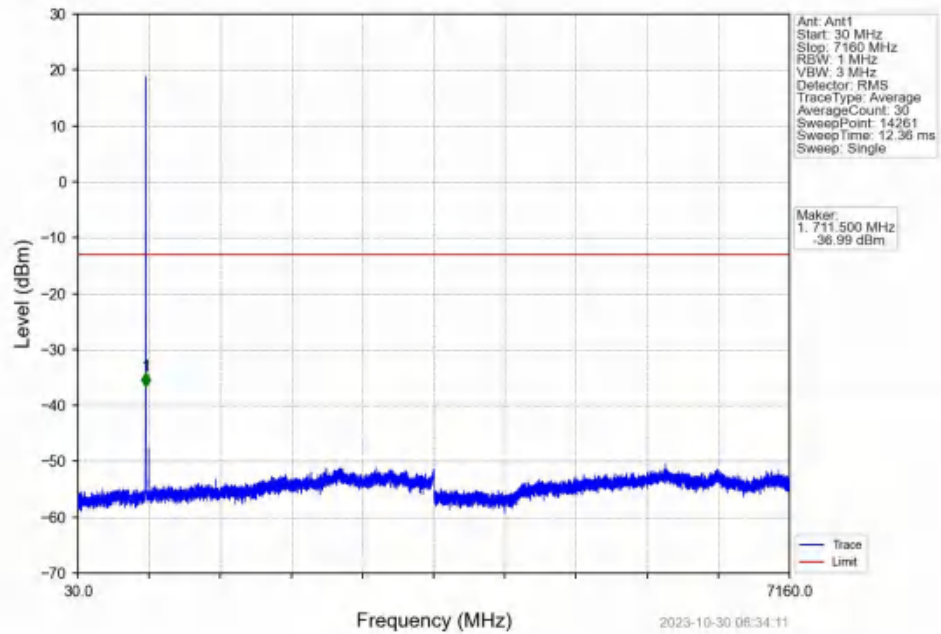
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



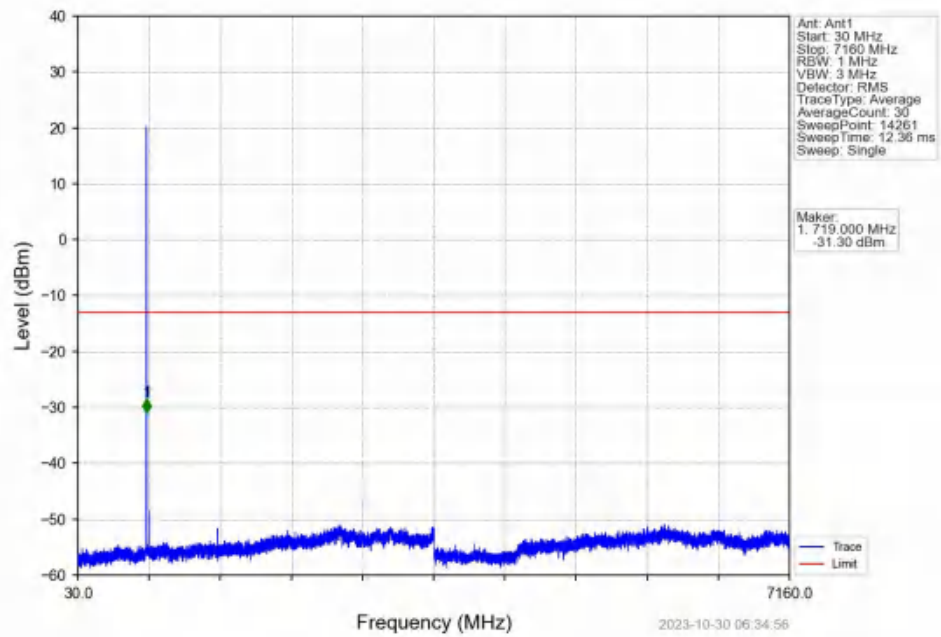
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



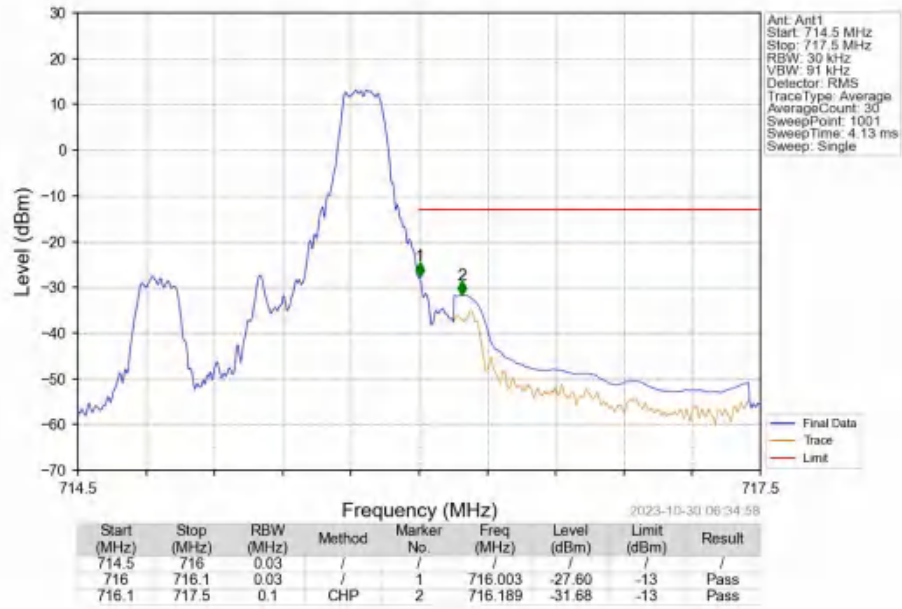
Band12 1.4MHz 16QAM MCH 707.5MHz RB_1_0 NTNV



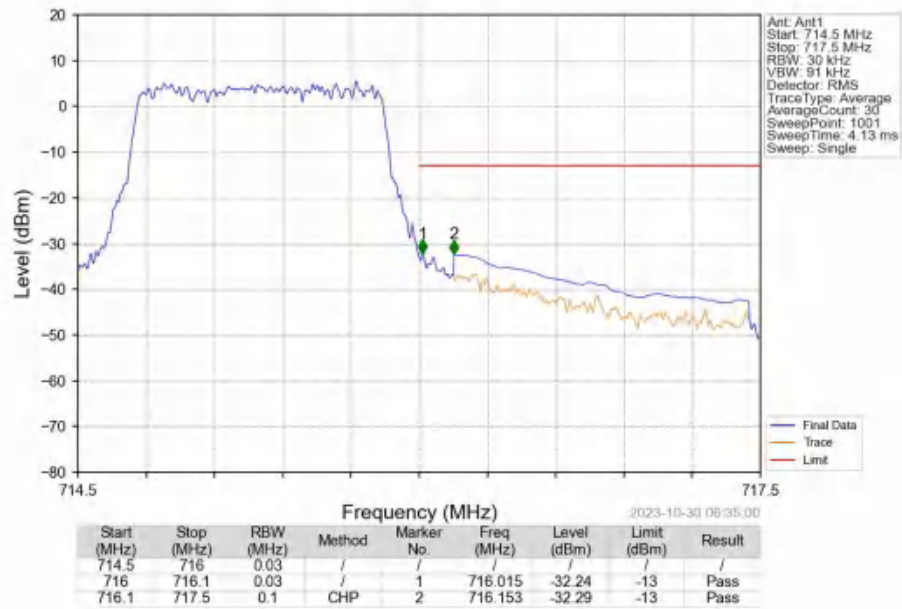
Band12 1.4MHz 16QAM HCH 715.3MHz RB_1_0 NTNV



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



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

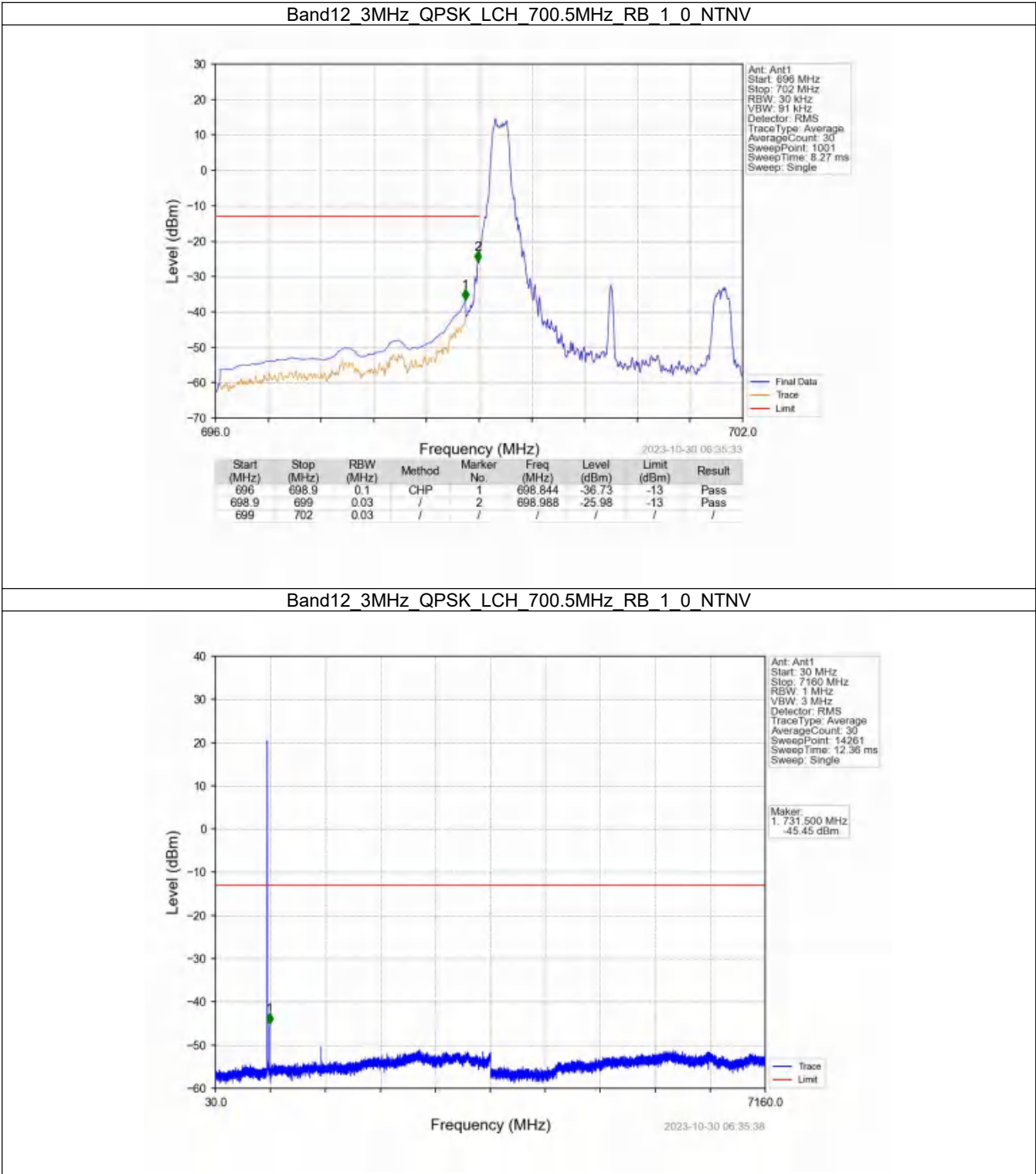


6.2 B12_3MHz

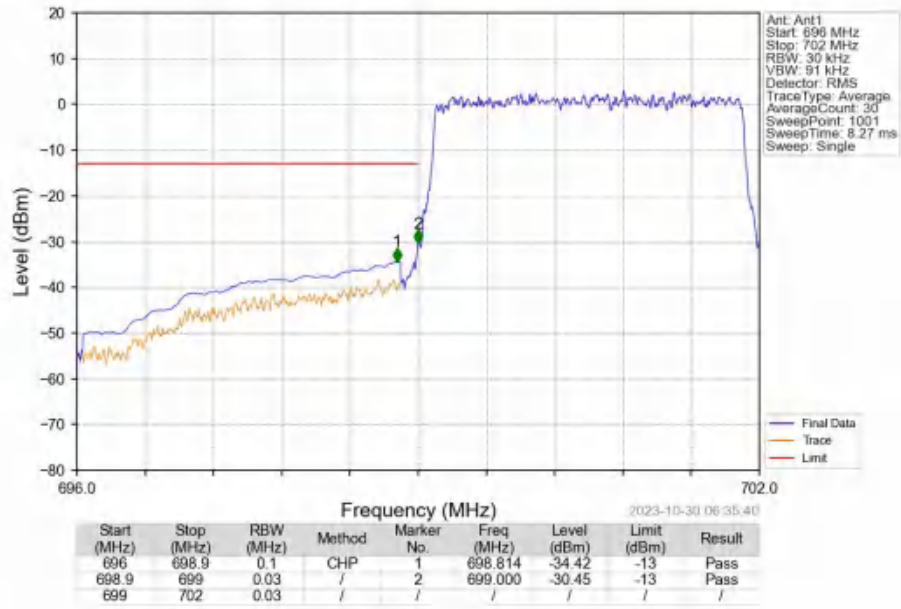
6.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTVN						
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

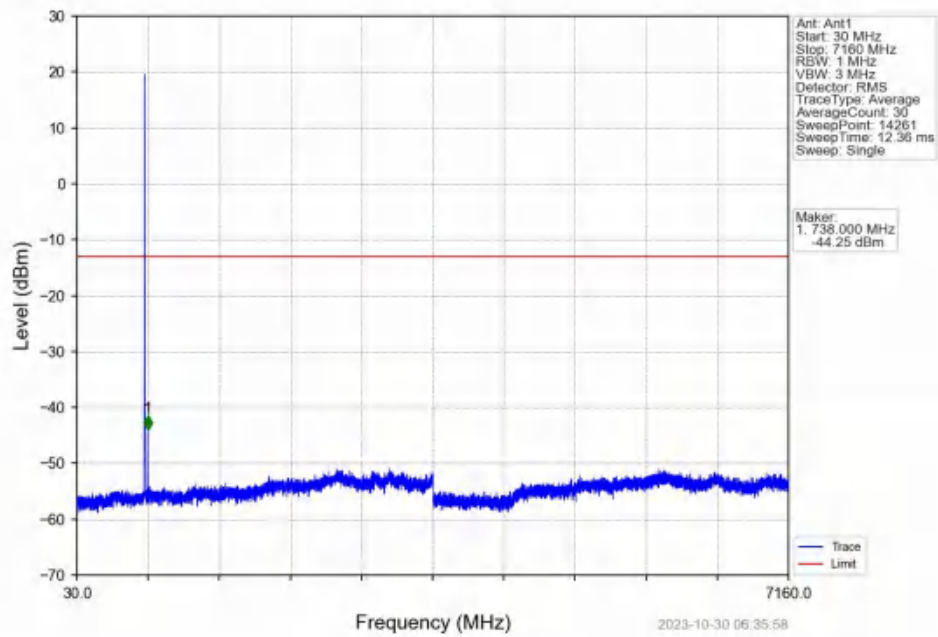
6.2.2 Test Graph



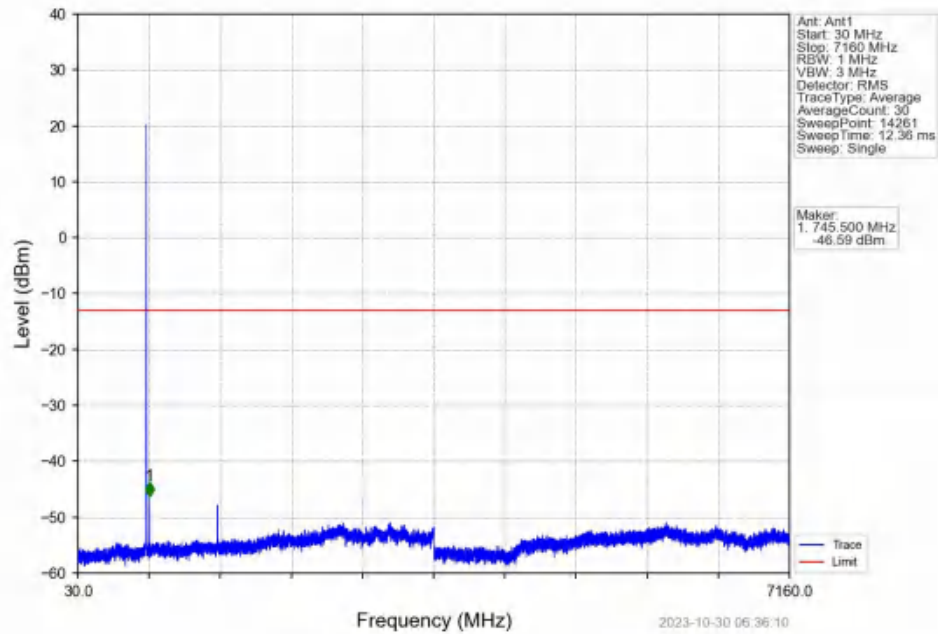
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



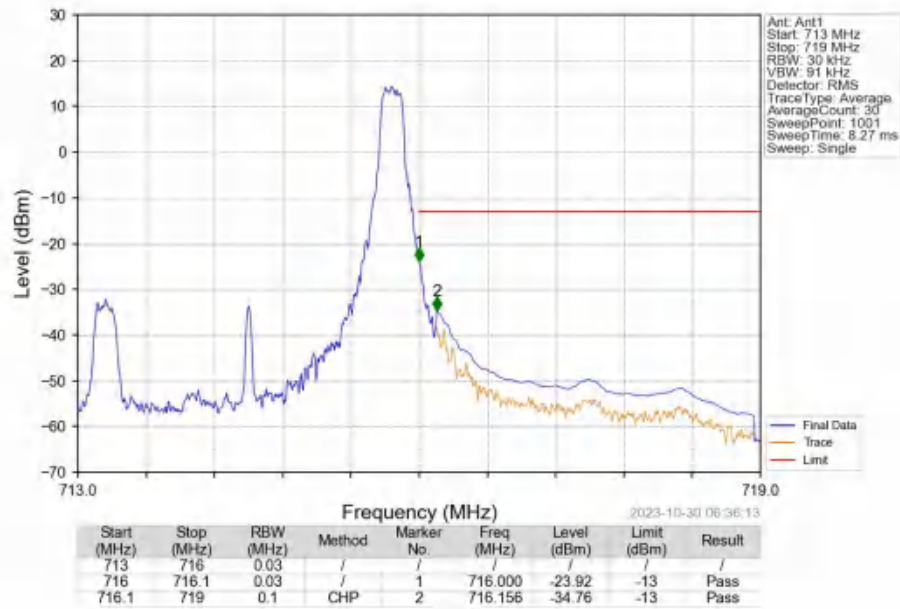
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



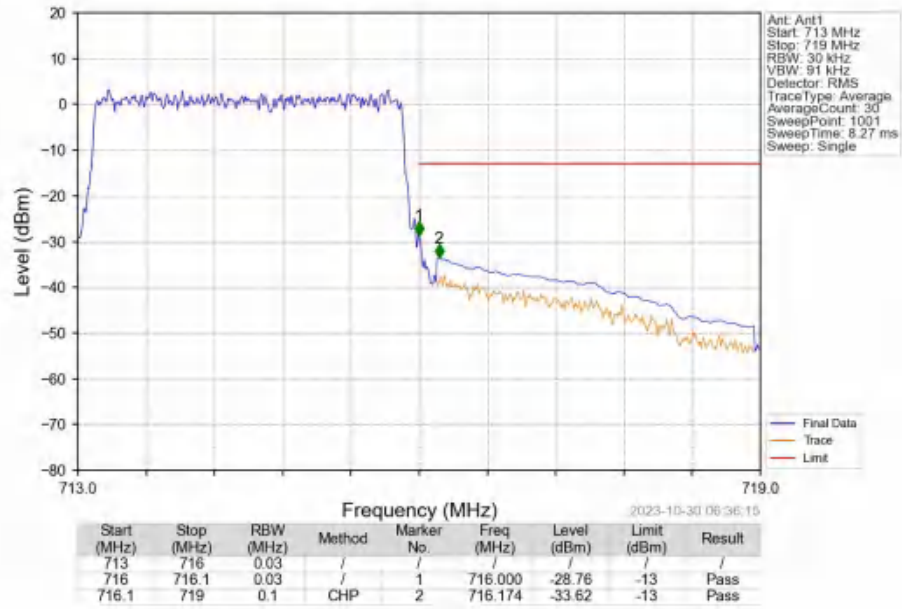
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTN



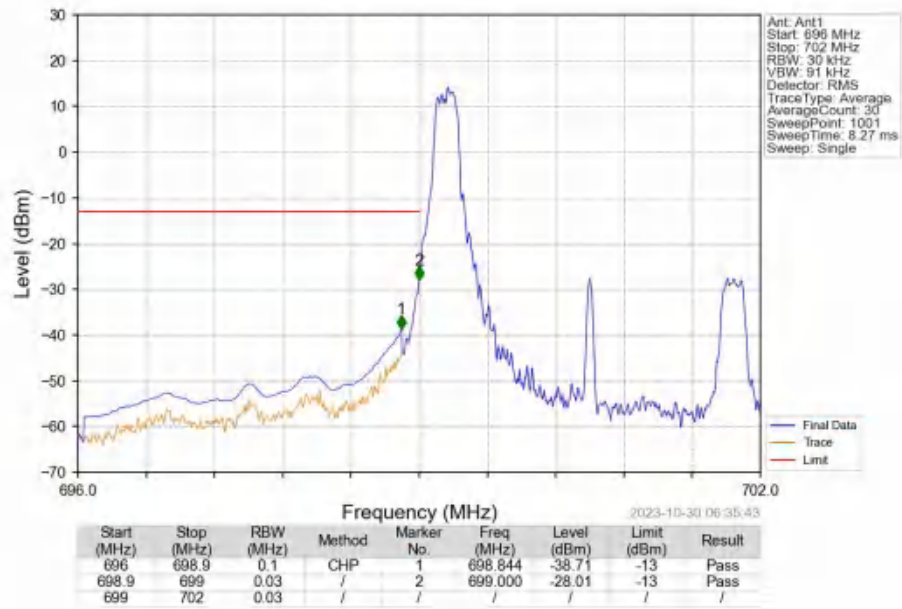
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14 NTN



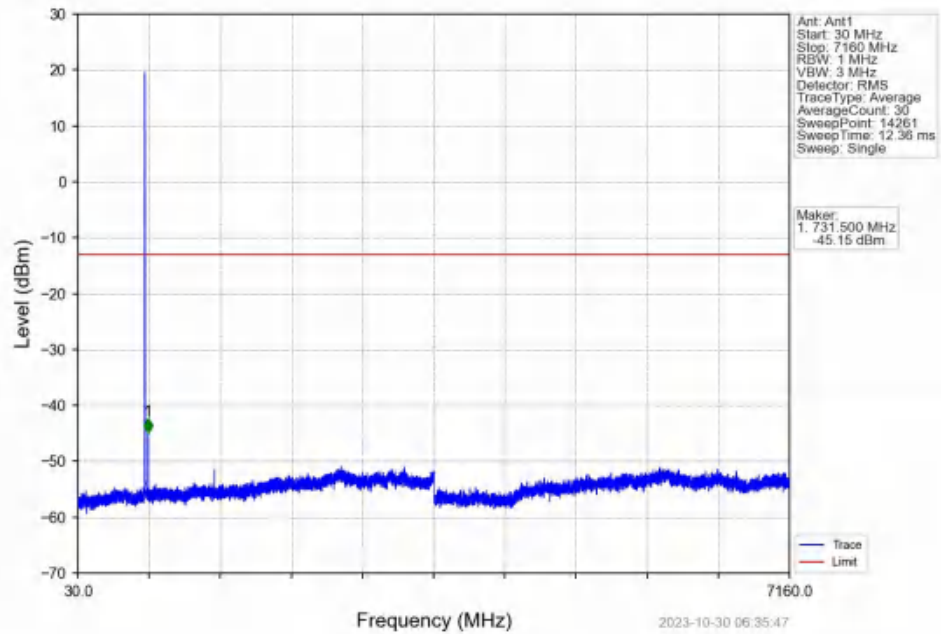
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



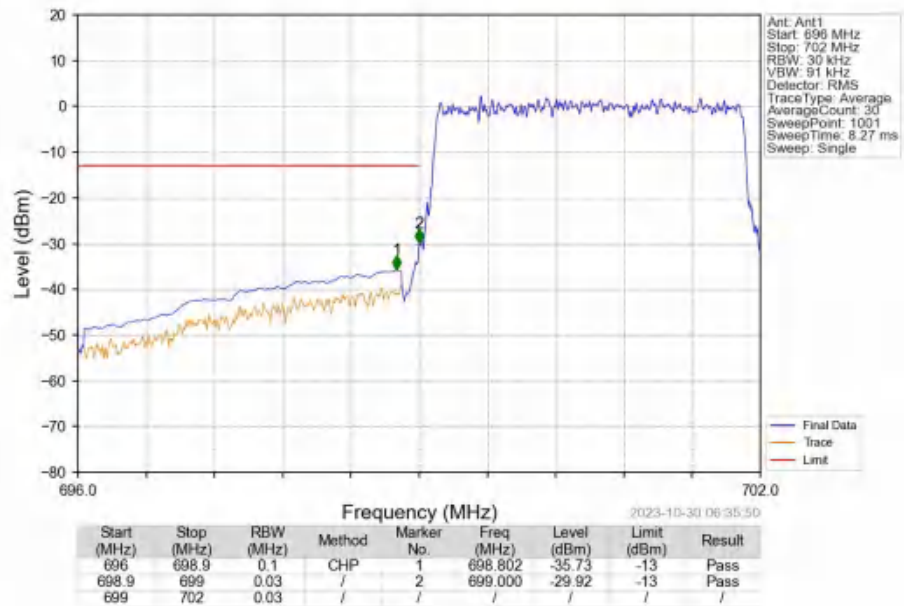
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



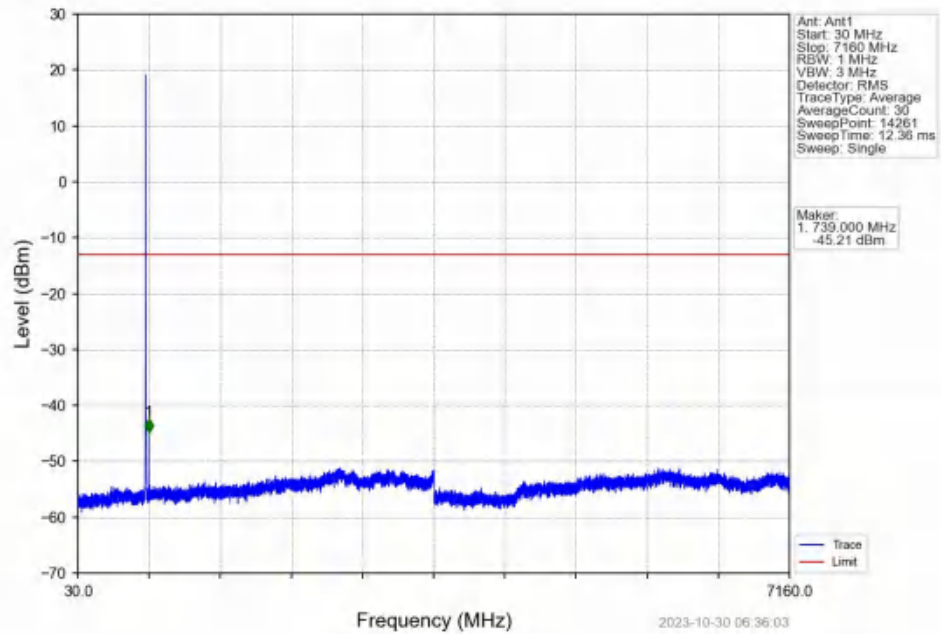
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



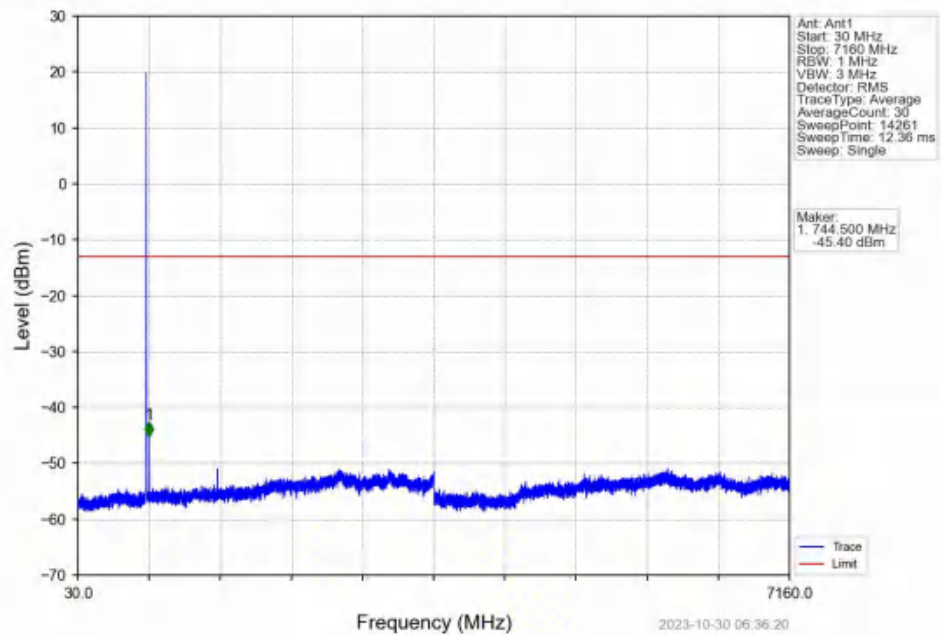
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



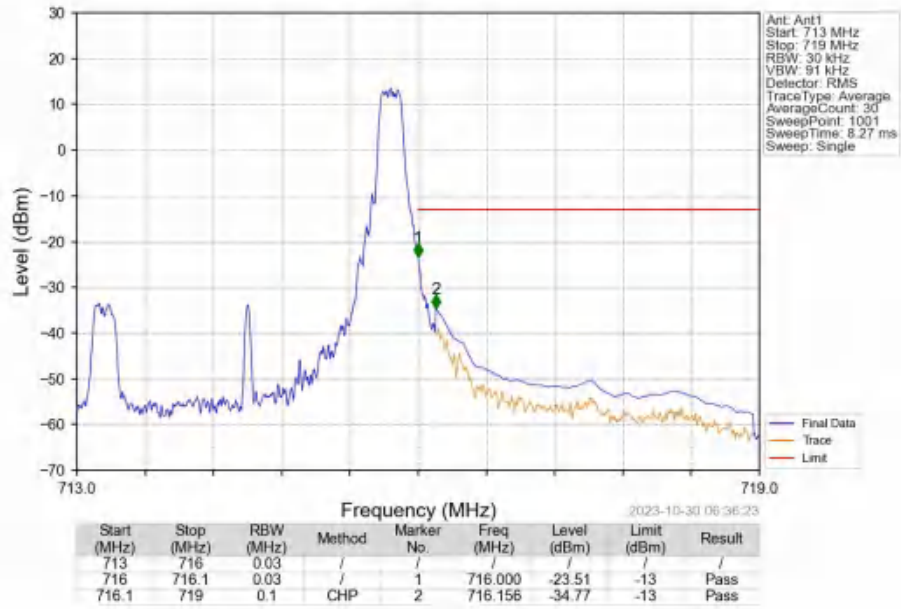
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



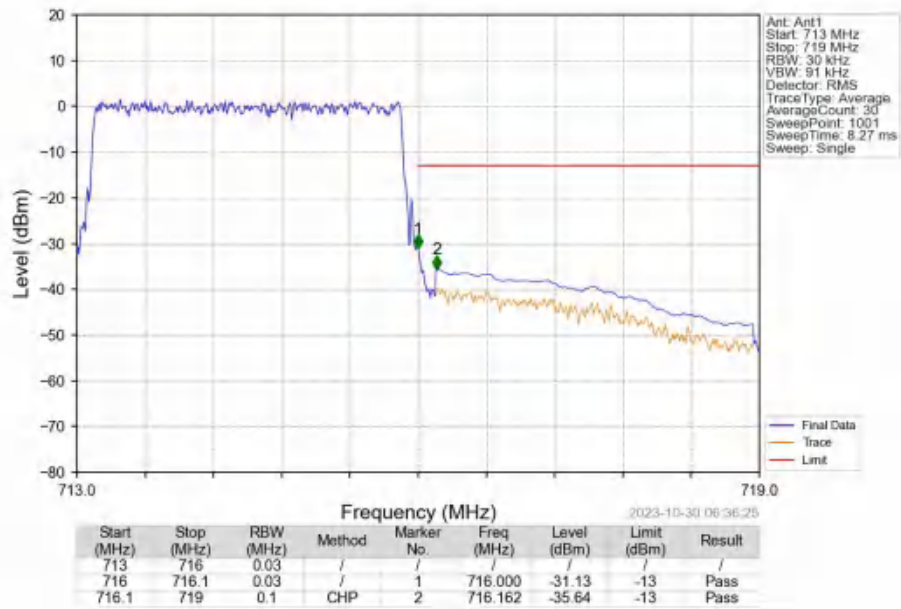
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



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



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

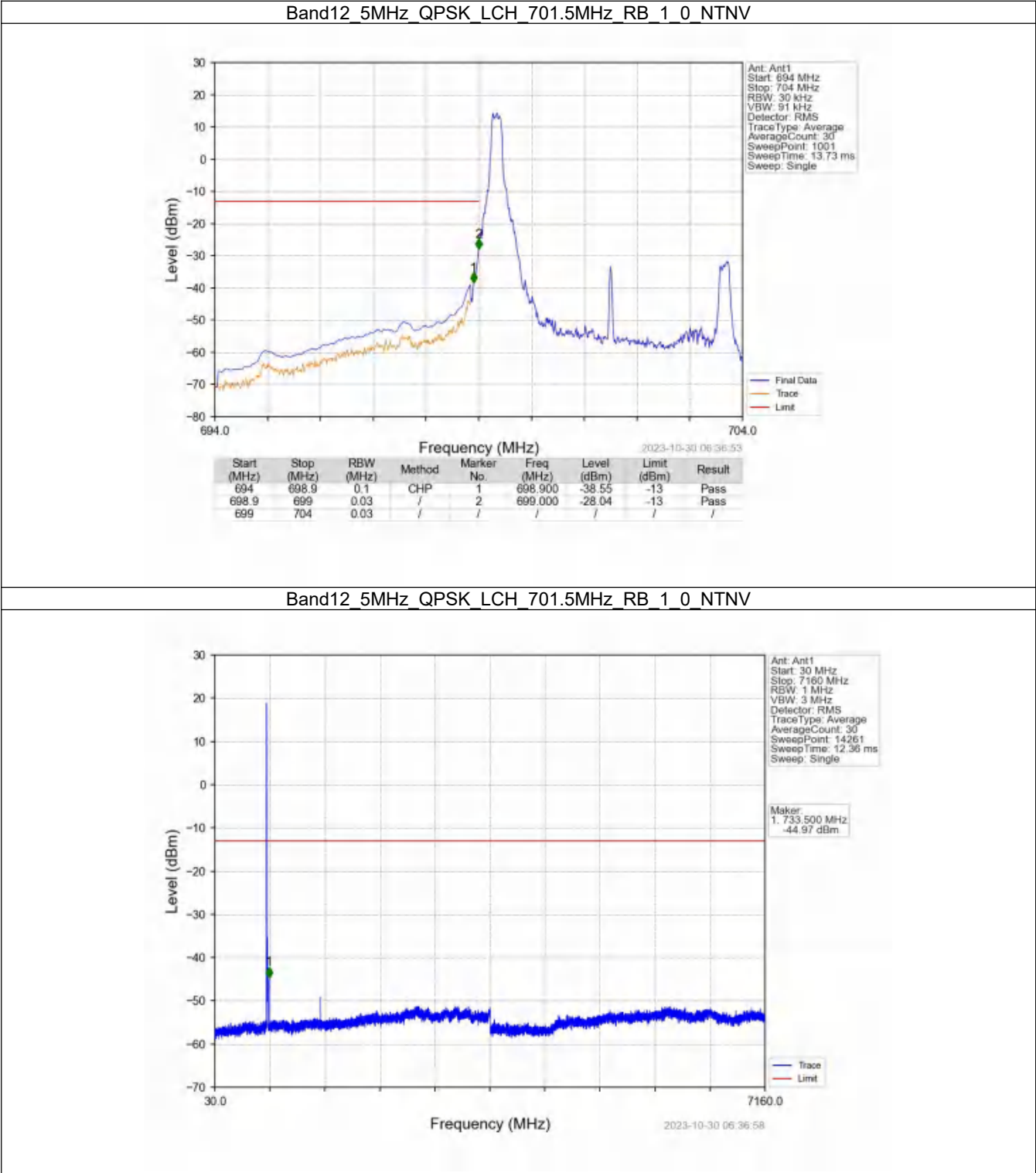


6.3 B12_5MHz

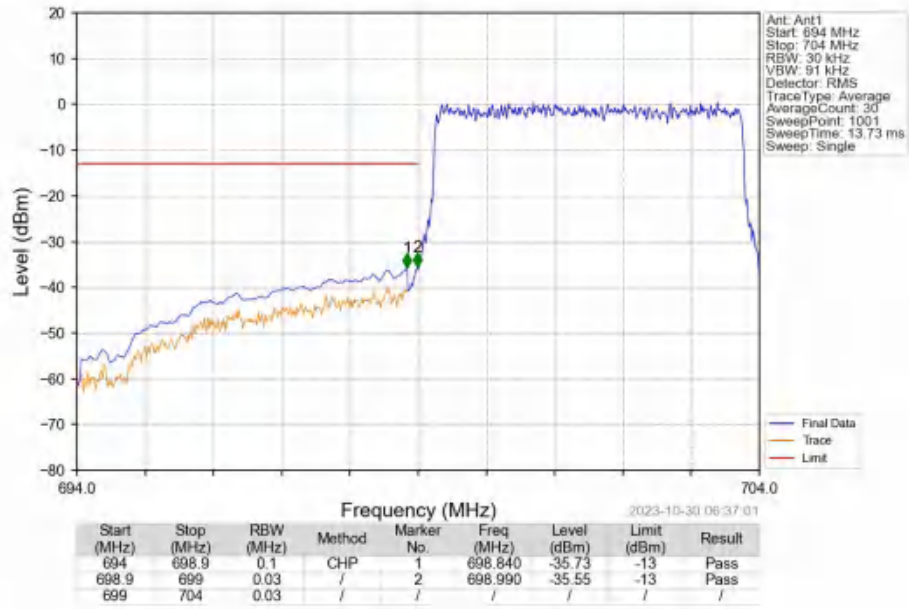
6.3.1 Test Result

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

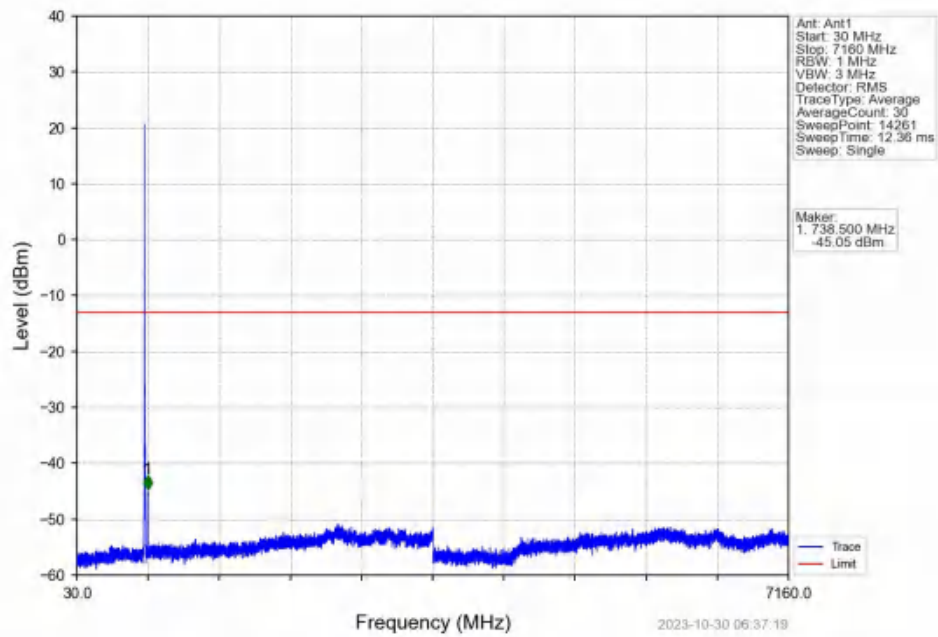
6.3.2 Test Graph



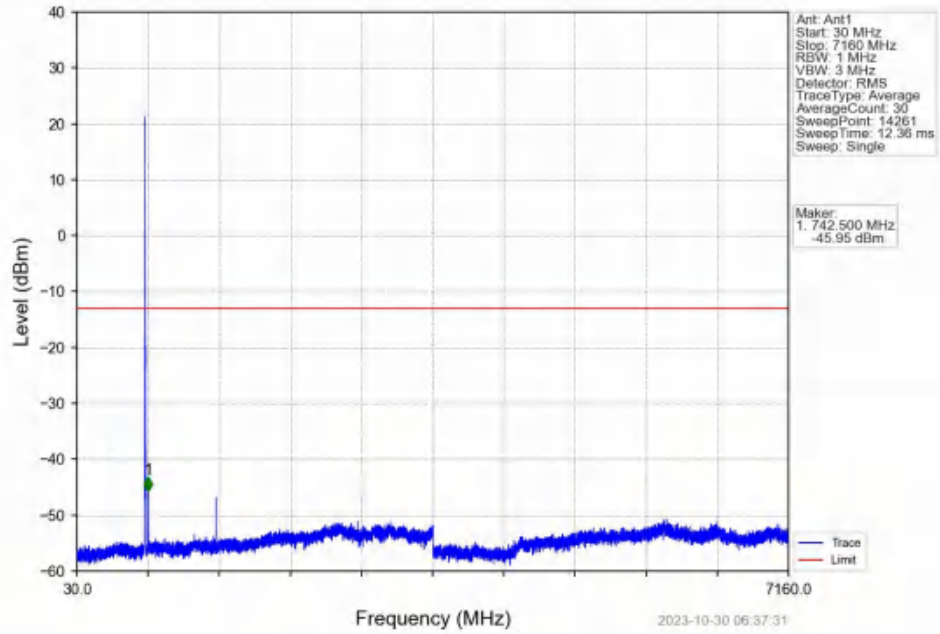
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



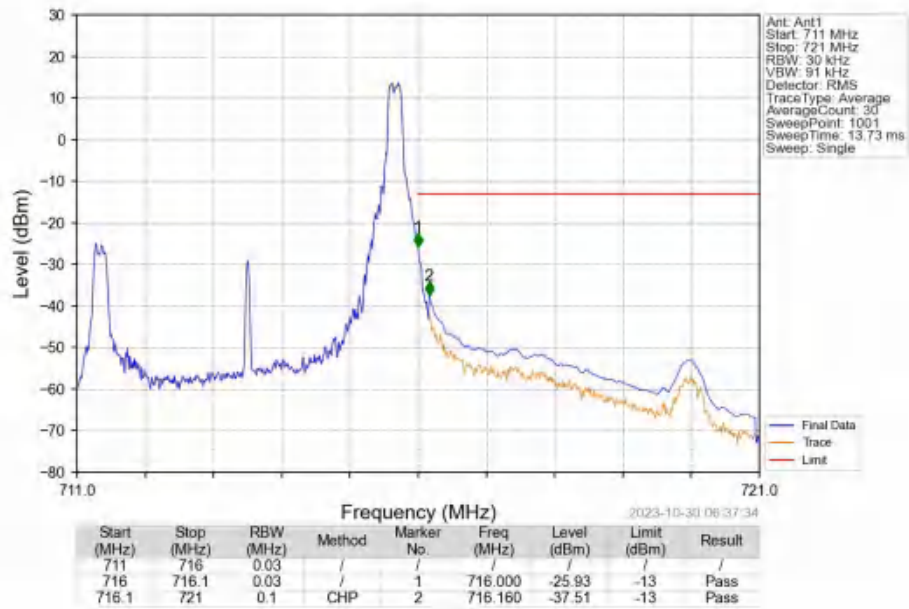
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



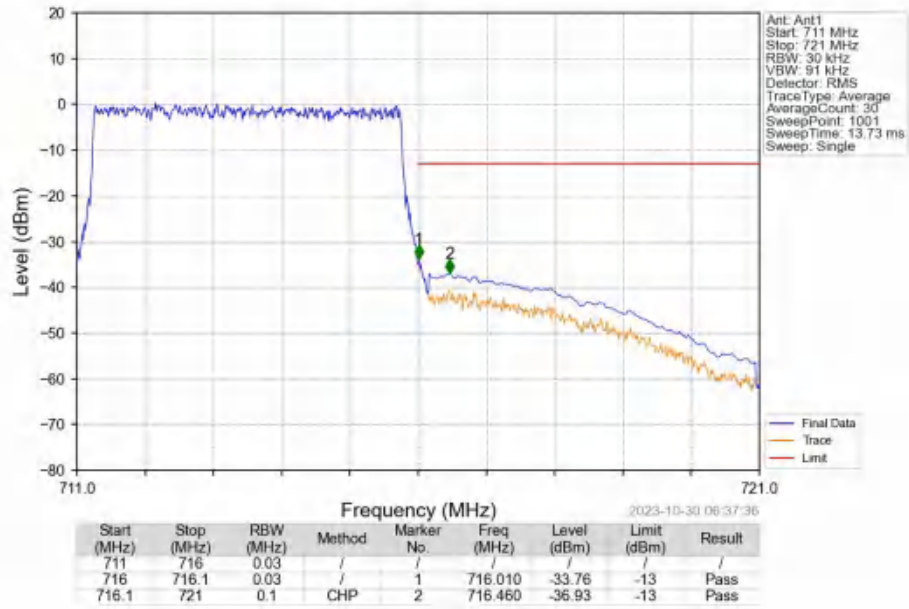
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



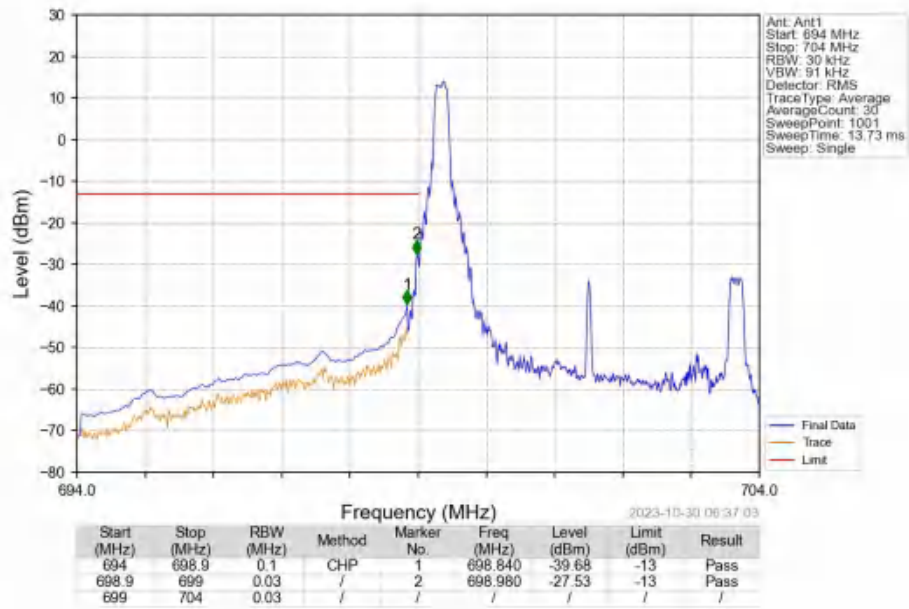
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



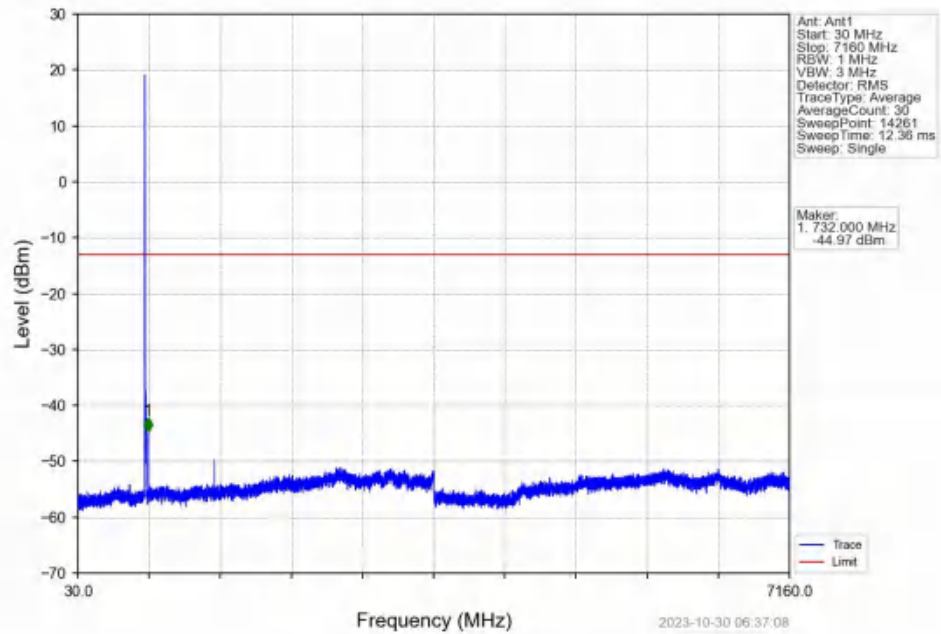
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



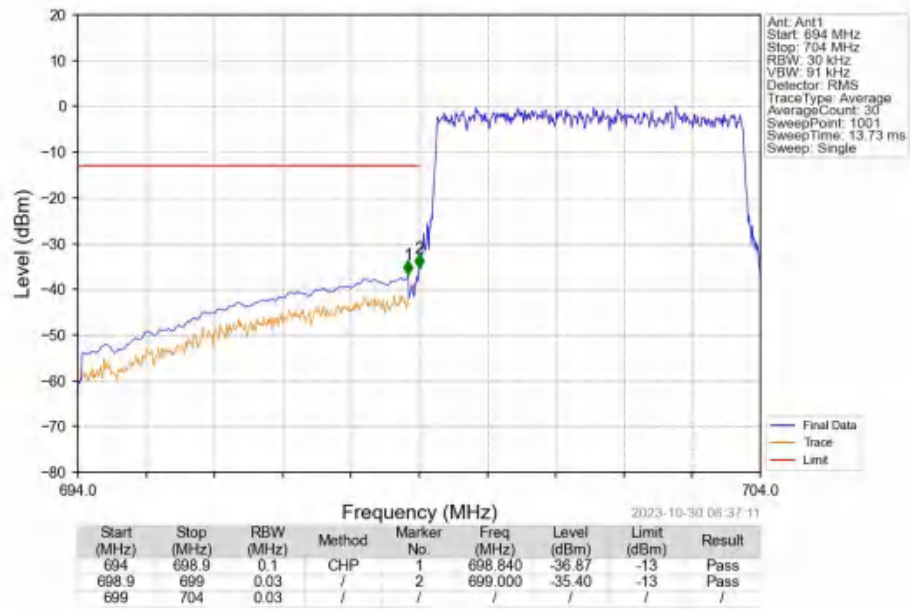
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



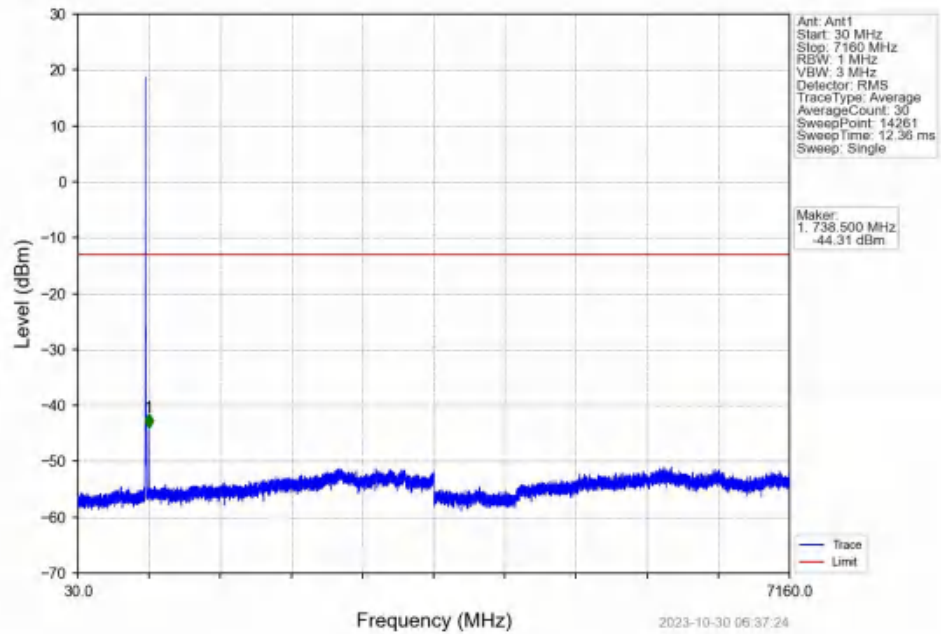
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



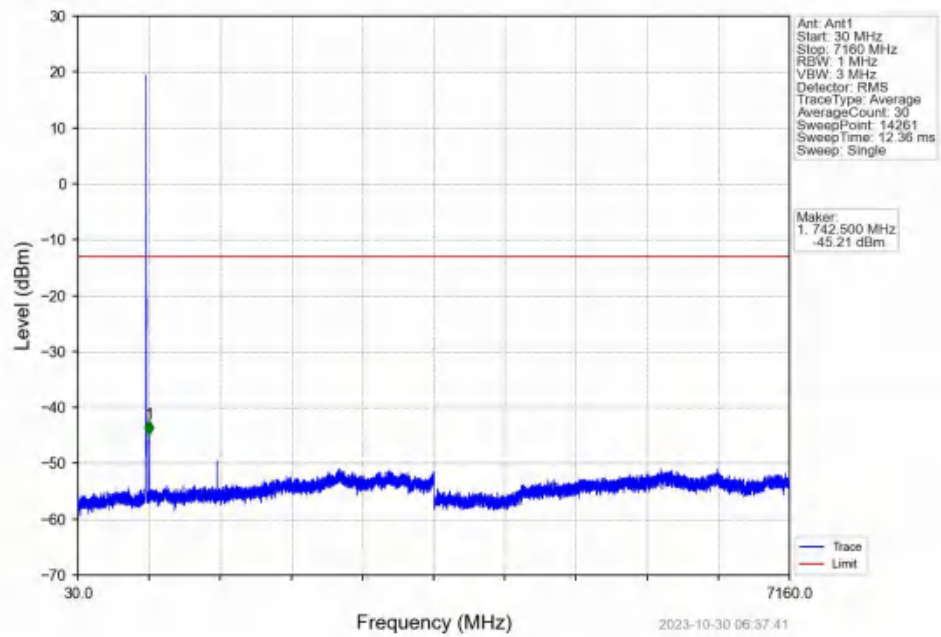
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



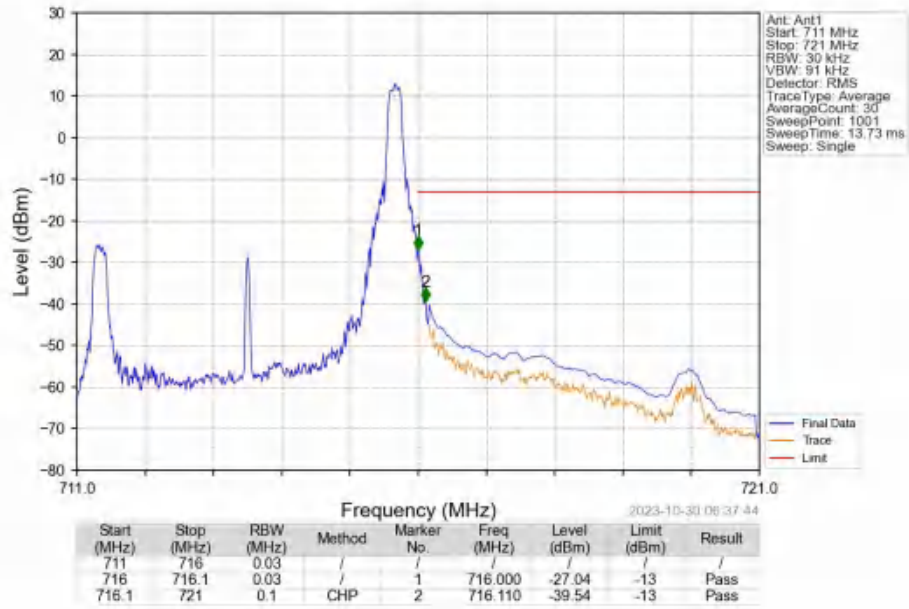
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



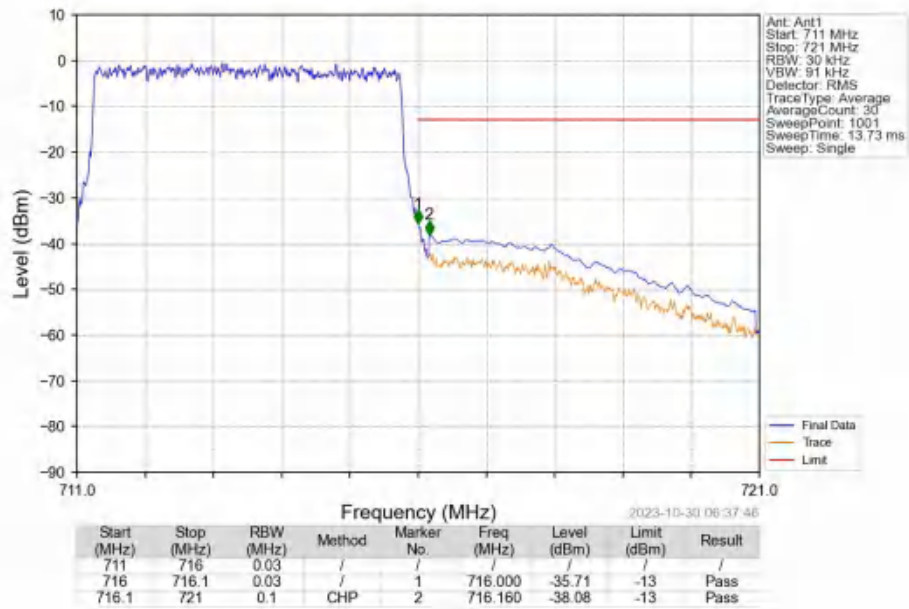
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



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



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

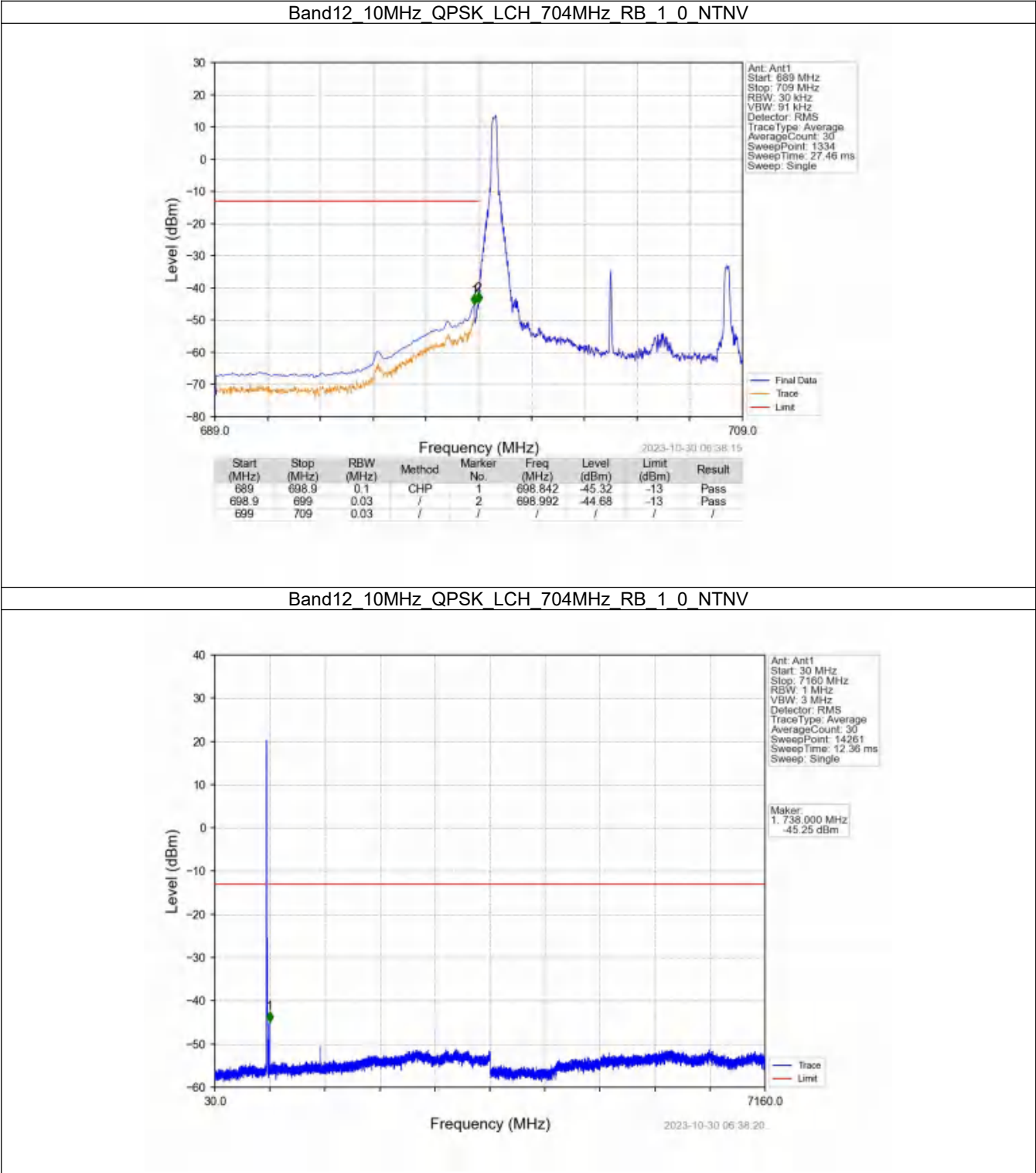


6.4 B12_10MHz

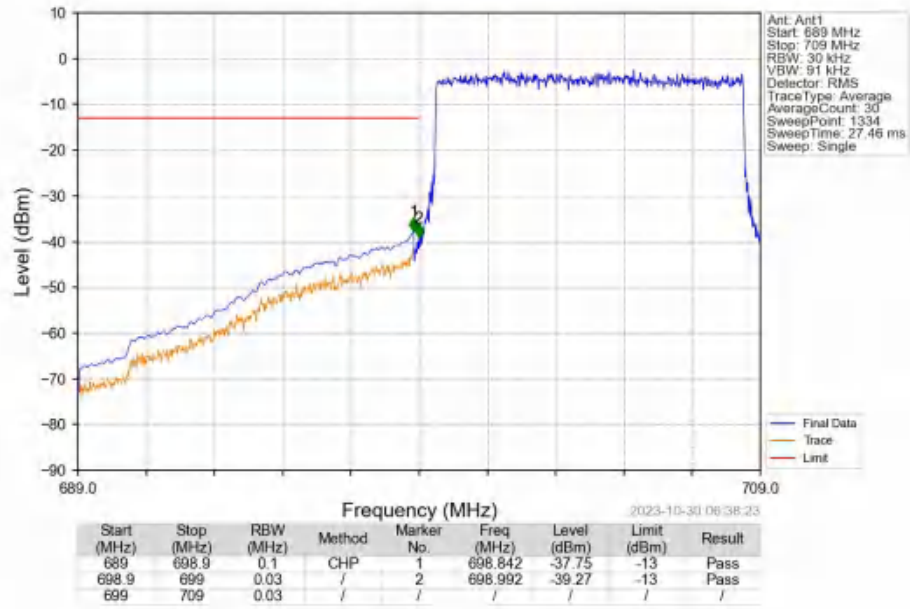
6.4.1 Test Result

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

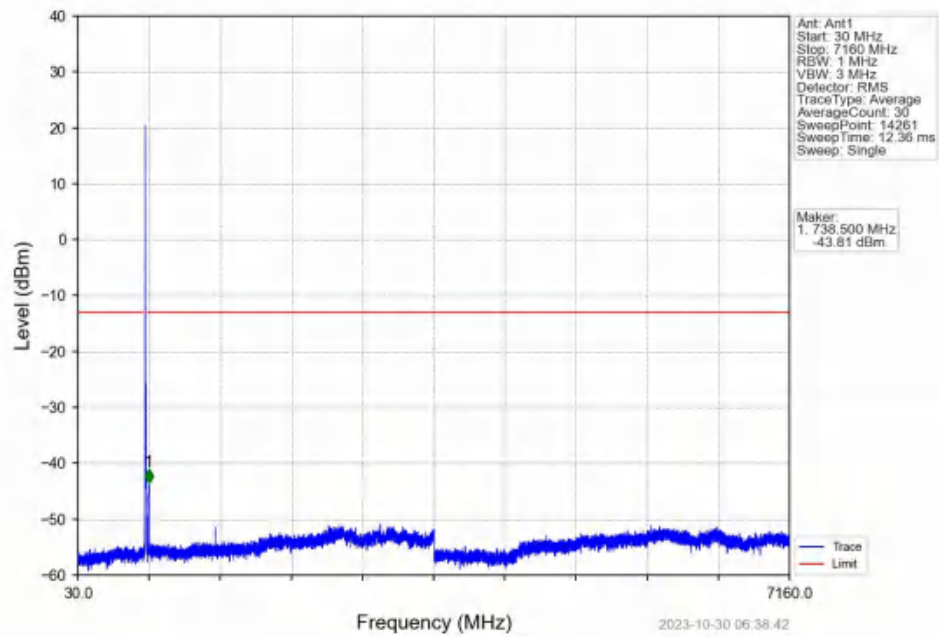
6.4.2 Test Graph



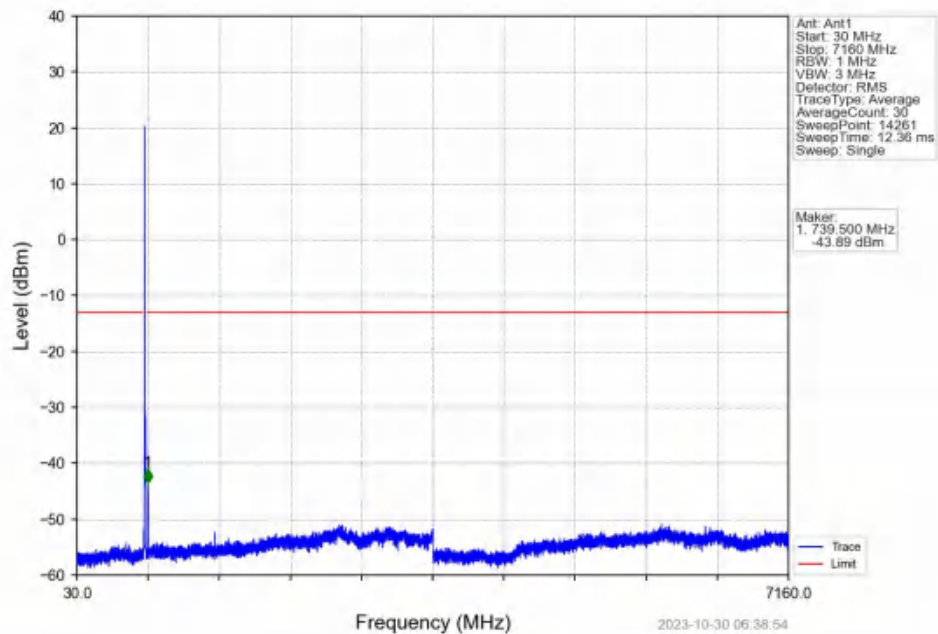
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



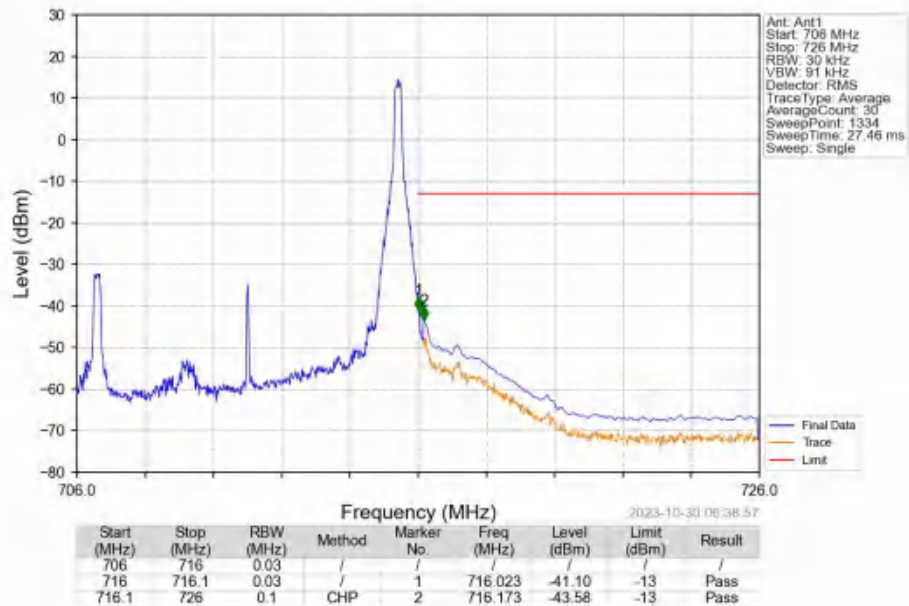
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



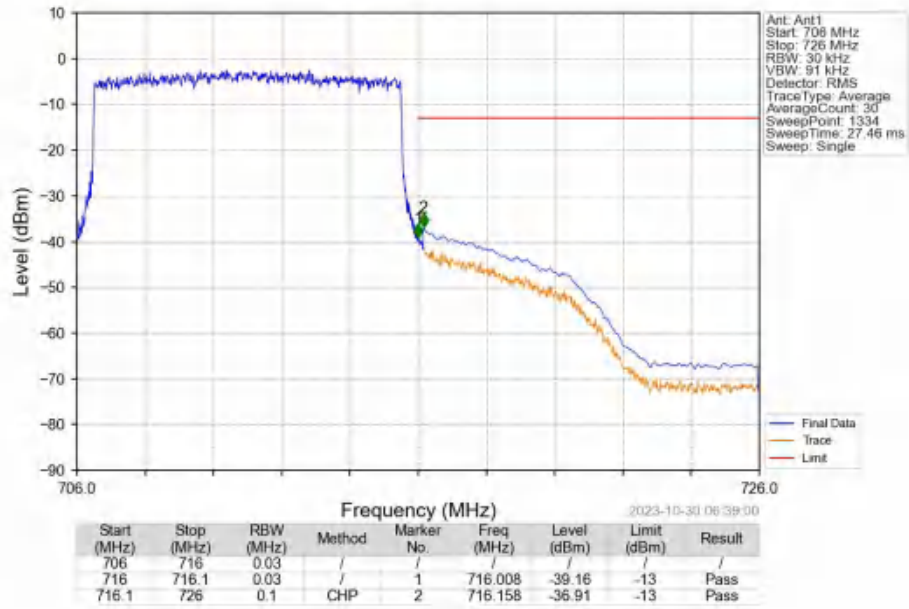
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



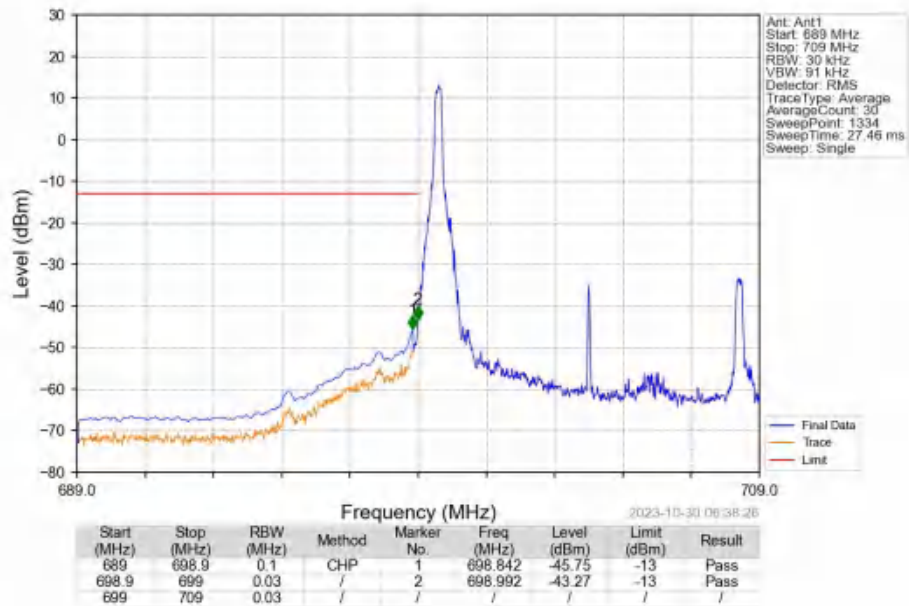
Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



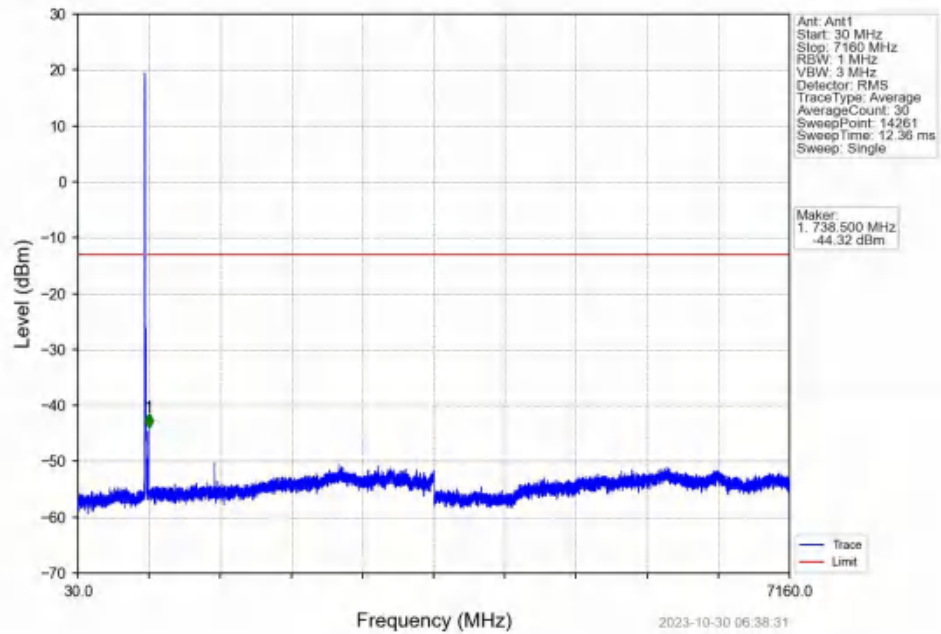
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



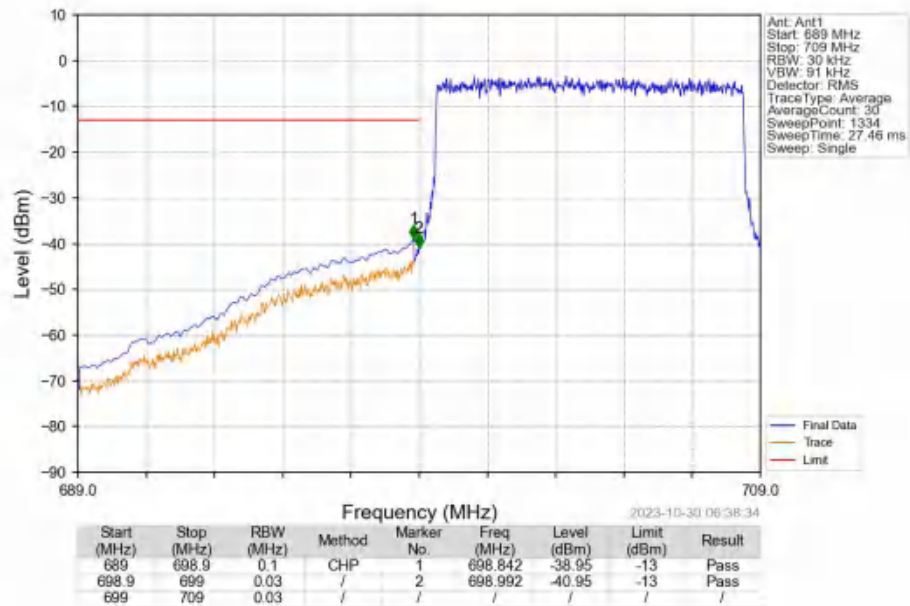
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



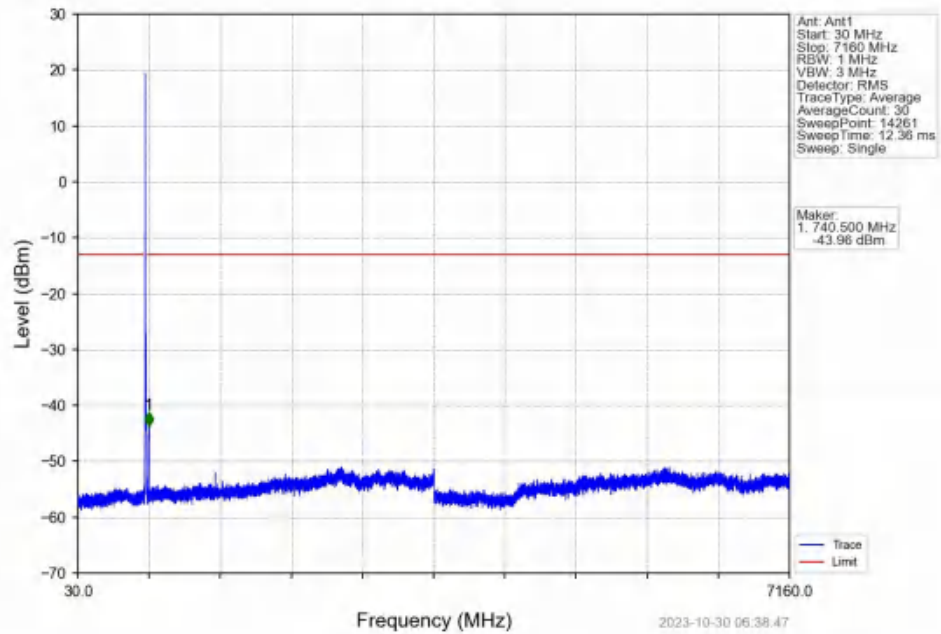
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



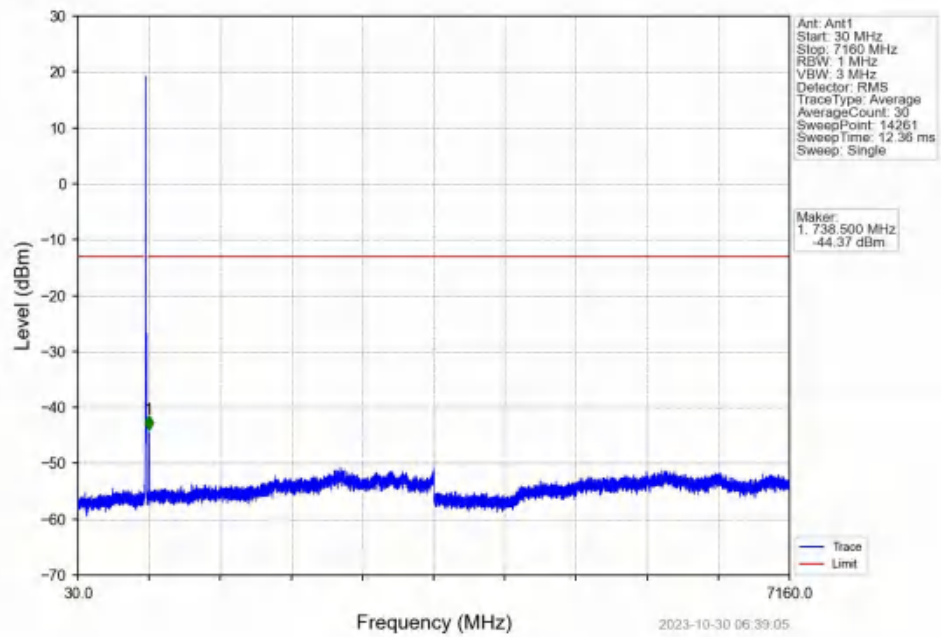
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



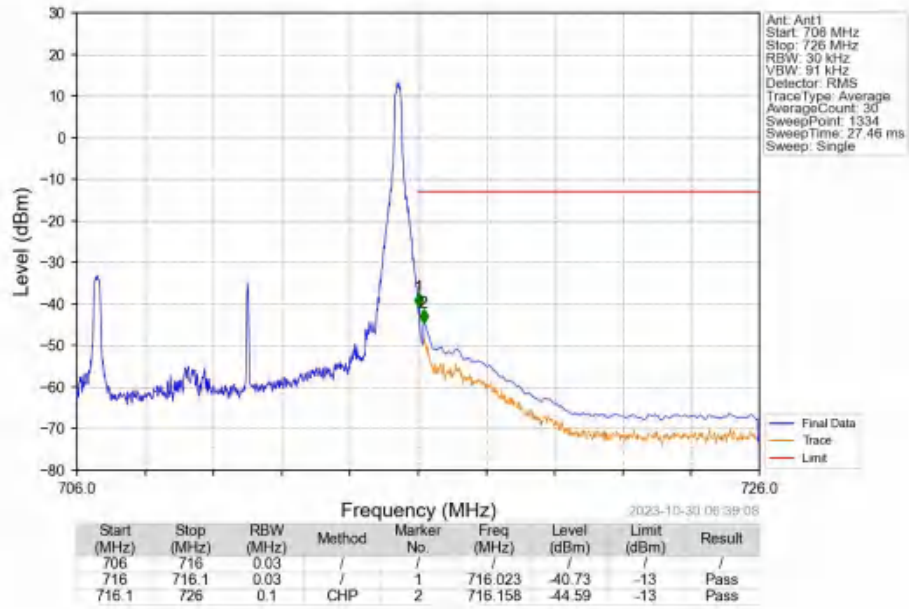
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



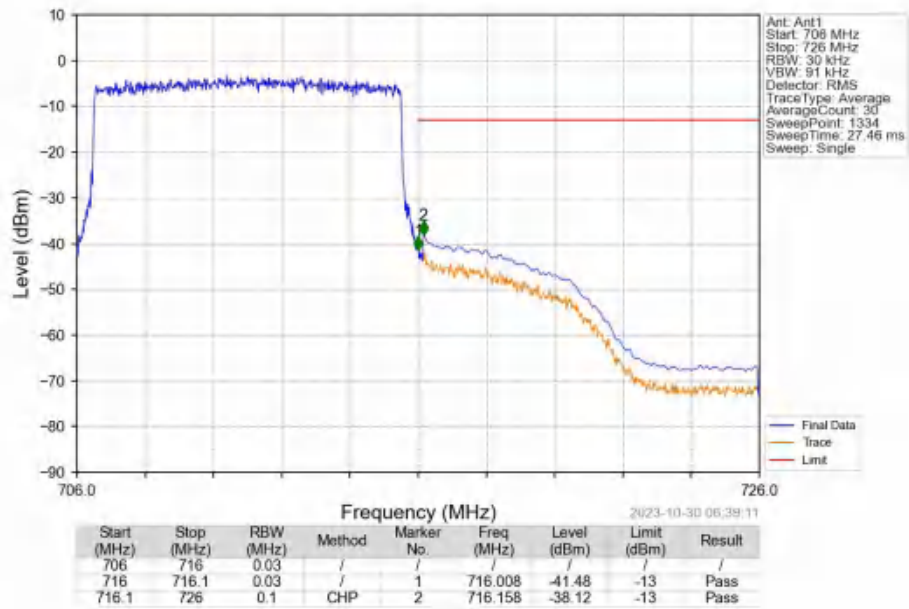
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



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	0.1936	0.0033	ppm	1M13G7D	27H	22.87
12	1.4	699.7	715.3	0.1618	0.0024	ppm	1M11W7D	27H	22.09
12	3	700.5	714.5	0.1968	0.0094	ppm	2M75G7D	27H	22.94
12	3	700.5	714.5	0.1660	0.0093	ppm	2M76W7D	27H	22.20
12	5	701.5	713.5	0.1858	0.0024	ppm	4M58G7D	27H	22.69
12	5	701.5	713.5	0.1459	0.0024	ppm	4M56W7D	27H	21.64
12	10	704	711	0.1959	0.0025	ppm	9M06G7D	27H	22.92
12	10	704	711	0.1919	0.0025	ppm	9M03W7D	27H	22.83

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	0.1585	0.0033	ppm	1M13G7D	27H	22.00
12	1.4	699.7	715.3	0.1324	0.0024	ppm	1M11W7D	27H	21.22
12	3	700.5	714.5	0.1611	0.0094	ppm	2M75G7D	27H	22.07
12	3	700.5	714.5	0.1358	0.0093	ppm	2M76W7D	27H	21.33
12	5	701.5	713.5	0.1521	0.0024	ppm	4M58G7D	27H	21.82
12	5	701.5	713.5	0.1194	0.0024	ppm	4M56W7D	27H	20.77
12	10	704	711	0.1603	0.0025	ppm	9M06G7D	27H	22.05
12	10	704	711	0.1570	0.0025	ppm	9M03W7D	27H	21.96