

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	22.49	-0.68	19.66	<=34.77	Pass
			2	22.54	-0.68	19.71	<=34.77	Pass
			5	22.52	-0.68	19.69	<=34.77	Pass
		3	0	22.57	-0.68	19.74	<=34.77	Pass
			2	22.60	-0.68	19.77	<=34.77	Pass
			3	22.61	-0.68	19.78	<=34.77	Pass
		6	0	21.51	-0.68	18.68	<=34.77	Pass
	707.5	1	0	22.48	-0.68	19.65	<=34.77	Pass
			2	22.60	-0.68	19.77	<=34.77	Pass
			5	22.47	-0.68	19.64	<=34.77	Pass
		3	0	22.55	-0.68	19.72	<=34.77	Pass
			2	22.57	-0.68	19.74	<=34.77	Pass
			3	22.56	-0.68	19.73	<=34.77	Pass
		6	0	21.48	-0.68	18.65	<=34.77	Pass
	715.3	1	0	22.40	-0.68	19.57	<=34.77	Pass
			2	22.56	-0.68	19.73	<=34.77	Pass
			5	22.44	-0.68	19.61	<=34.77	Pass
		3	0	22.53	-0.68	19.70	<=34.77	Pass
			2	22.54	-0.68	19.71	<=34.77	Pass
			3	22.51	-0.68	19.68	<=34.77	Pass
		6	0	21.54	-0.68	18.71	<=34.77	Pass
16QAM	699.7	1	0	21.47	-0.68	18.64	<=34.77	Pass
			2	21.61	-0.68	18.78	<=34.77	Pass
			5	21.52	-0.68	18.69	<=34.77	Pass
		3	0	21.64	-0.68	18.81	<=34.77	Pass
			2	21.60	-0.68	18.77	<=34.77	Pass
			3	21.61	-0.68	18.78	<=34.77	Pass
		6	0	20.46	-0.68	17.63	<=34.77	Pass
	707.5	1	0	21.47	-0.68	18.64	<=34.77	Pass
			2	21.56	-0.68	18.73	<=34.77	Pass
			5	21.48	-0.68	18.65	<=34.77	Pass
		3	0	21.58	-0.68	18.75	<=34.77	Pass
			2	21.57	-0.68	18.74	<=34.77	Pass
			3	21.56	-0.68	18.73	<=34.77	Pass
	6	0	20.44	-0.68	17.61	<=34.77	Pass	
	715.3	1	0	21.54	-0.68	18.71	<=34.77	Pass
			2	21.68	-0.68	18.85	<=34.77	Pass
			5	21.54	-0.68	18.71	<=34.77	Pass
		3	0	21.42	-0.68	18.59	<=34.77	Pass
2			21.46	-0.68	18.63	<=34.77	Pass	
3			21.44	-0.68	18.61	<=34.77	Pass	
6		0	20.54	-0.68	17.71	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	700.5	1	0	22.57	-0.68	19.74	<=34.77	Pass	
			7	22.71	-0.68	19.88	<=34.77	Pass	
			14	22.56	-0.68	19.73	<=34.77	Pass	
		8	0	21.55	-0.68	18.72	<=34.77	Pass	
			4	21.58	-0.68	18.75	<=34.77	Pass	
			7	21.50	-0.68	18.67	<=34.77	Pass	
		15	0	21.53	-0.68	18.70	<=34.77	Pass	
		707.5	1	0	22.48	-0.68	19.65	<=34.77	Pass
				7	22.68	-0.68	19.85	<=34.77	Pass
	14			22.47	-0.68	19.64	<=34.77	Pass	
	8		0	21.53	-0.68	18.70	<=34.77	Pass	
			4	21.58	-0.68	18.75	<=34.77	Pass	
			7	21.51	-0.68	18.68	<=34.77	Pass	
	15		0	21.51	-0.68	18.68	<=34.77	Pass	
	714.5		1	0	22.48	-0.68	19.65	<=34.77	Pass
				7	22.61	-0.68	19.78	<=34.77	Pass
		14		22.47	-0.68	19.64	<=34.77	Pass	
		8	0	21.49	-0.68	18.66	<=34.77	Pass	
			4	21.57	-0.68	18.74	<=34.77	Pass	
			7	21.53	-0.68	18.70	<=34.77	Pass	
		15	0	21.48	-0.68	18.65	<=34.77	Pass	
16QAM		700.5	1	0	21.59	-0.68	18.76	<=34.77	Pass
				7	21.73	-0.68	18.90	<=34.77	Pass
	14			21.57	-0.68	18.74	<=34.77	Pass	
	8		0	20.62	-0.68	17.79	<=34.77	Pass	
			4	20.66	-0.68	17.83	<=34.77	Pass	
			7	20.59	-0.68	17.76	<=34.77	Pass	
	15		0	20.61	-0.68	17.78	<=34.77	Pass	
	707.5		1	0	21.65	-0.68	18.82	<=34.77	Pass
				7	21.85	-0.68	19.02	<=34.77	Pass
		14		21.62	-0.68	18.79	<=34.77	Pass	
		8	0	20.52	-0.68	17.69	<=34.77	Pass	
			4	20.55	-0.68	17.72	<=34.77	Pass	
			7	20.49	-0.68	17.66	<=34.77	Pass	
		15	0	20.50	-0.68	17.67	<=34.77	Pass	
		714.5	1	0	21.96	-0.68	19.13	<=34.77	Pass
				7	22.07	-0.68	19.24	<=34.77	Pass
	14			21.88	-0.68	19.05	<=34.77	Pass	
	8		0	20.61	-0.68	17.78	<=34.77	Pass	
			4	20.69	-0.68	17.86	<=34.77	Pass	
			7	20.66	-0.68	17.83	<=34.77	Pass	
	15		0	20.54	-0.68	17.71	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	22.45	-0.68	19.62	<=34.77	Pass
			13	22.59	-0.68	19.76	<=34.77	Pass
			24	22.51	-0.68	19.68	<=34.77	Pass
		12	0	21.60	-0.68	18.77	<=34.77	Pass
			6	21.62	-0.68	18.79	<=34.77	Pass
			13	21.60	-0.68	18.77	<=34.77	Pass

	707.5	25	0	21.62	-0.68	18.79	<=34.77	Pass	
		1	0	22.43	-0.68	19.60	<=34.77	Pass	
			13	22.52	-0.68	19.69	<=34.77	Pass	
			24	22.39	-0.68	19.56	<=34.77	Pass	
			0	21.40	-0.68	18.57	<=34.77	Pass	
		12	6	21.53	-0.68	18.70	<=34.77	Pass	
			13	21.51	-0.68	18.68	<=34.77	Pass	
		25	0	21.44	-0.68	18.61	<=34.77	Pass	
	713.5	1	0	22.38	-0.68	19.55	<=34.77	Pass	
			13	22.48	-0.68	19.65	<=34.77	Pass	
			24	22.39	-0.68	19.56	<=34.77	Pass	
		12	0	21.51	-0.68	18.68	<=34.77	Pass	
			6	21.52	-0.68	18.69	<=34.77	Pass	
			13	21.51	-0.68	18.68	<=34.77	Pass	
		25	0	21.45	-0.68	18.62	<=34.77	Pass	
		16QAM	701.5	1	0	21.50	-0.68	18.67	<=34.77
13	21.69				-0.68	18.86	<=34.77	Pass	
24	21.55				-0.68	18.72	<=34.77	Pass	
12	0			20.56	-0.68	17.73	<=34.77	Pass	
	6			20.61	-0.68	17.78	<=34.77	Pass	
	13			20.61	-0.68	17.78	<=34.77	Pass	
25	0			20.64	-0.68	17.81	<=34.77	Pass	
707.5	1		0	21.67	-0.68	18.84	<=34.77	Pass	
			13	21.77	-0.68	18.94	<=34.77	Pass	
			24	21.61	-0.68	18.78	<=34.77	Pass	
	12		0	20.45	-0.68	17.62	<=34.77	Pass	
			6	20.57	-0.68	17.74	<=34.77	Pass	
			13	20.54	-0.68	17.71	<=34.77	Pass	
	25		0	20.45	-0.68	17.62	<=34.77	Pass	
713.5	1		0	21.26	-0.68	18.43	<=34.77	Pass	
			13	21.35	-0.68	18.52	<=34.77	Pass	
			24	21.19	-0.68	18.36	<=34.77	Pass	
	12		0	20.48	-0.68	17.65	<=34.77	Pass	
			6	20.52	-0.68	17.69	<=34.77	Pass	
			13	20.44	-0.68	17.61	<=34.77	Pass	
	25		0	20.51	-0.68	17.68	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	22.51	-0.68	19.68	<=34.77	Pass
			25	22.74	-0.68	19.91	<=34.77	Pass
			49	22.53	-0.68	19.70	<=34.77	Pass
		25	0	21.51	-0.68	18.68	<=34.77	Pass
			13	21.54	-0.68	18.71	<=34.77	Pass
			25	21.61	-0.68	18.78	<=34.77	Pass
		50	0	21.59	-0.68	18.76	<=34.77	Pass
	707.5	1	0	22.46	-0.68	19.63	<=34.77	Pass
			25	22.63	-0.68	19.80	<=34.77	Pass
			49	22.47	-0.68	19.64	<=34.77	Pass
		25	0	21.52	-0.68	18.69	<=34.77	Pass
			13	21.51	-0.68	18.68	<=34.77	Pass
			25	21.47	-0.68	18.64	<=34.77	Pass
		50	0	21.51	-0.68	18.68	<=34.77	Pass

	711	1	0	22.46	-0.68	19.63	<=34.77	Pass		
			25	22.64	-0.68	19.81	<=34.77	Pass		
			49	22.52	-0.68	19.69	<=34.77	Pass		
		25	0	21.49	-0.68	18.66	<=34.77	Pass		
			13	21.52	-0.68	18.69	<=34.77	Pass		
			25	21.49	-0.68	18.66	<=34.77	Pass		
		50	0	21.51	-0.68	18.68	<=34.77	Pass		
		16QAM	704	1	0	21.54	-0.68	18.71	<=34.77	Pass
					25	21.71	-0.68	18.88	<=34.77	Pass
49	21.49				-0.68	18.66	<=34.77	Pass		
25	0			20.63	-0.68	17.80	<=34.77	Pass		
	13			20.63	-0.68	17.80	<=34.77	Pass		
	25			20.72	-0.68	17.89	<=34.77	Pass		
50	0			20.62	-0.68	17.79	<=34.77	Pass		
707.5	1			0	21.67	-0.68	18.84	<=34.77	Pass	
				25	21.80	-0.68	18.97	<=34.77	Pass	
			49	21.64	-0.68	18.81	<=34.77	Pass		
	25		0	20.58	-0.68	17.75	<=34.77	Pass		
			13	20.57	-0.68	17.74	<=34.77	Pass		
			25	20.50	-0.68	17.67	<=34.77	Pass		
	50		0	20.54	-0.68	17.71	<=34.77	Pass		
	711		1	0	21.97	-0.68	19.14	<=34.77	Pass	
				25	22.13	-0.68	19.30	<=34.77	Pass	
49				21.90	-0.68	19.07	<=34.77	Pass		
25			0	20.57	-0.68	17.74	<=34.77	Pass		
		13	20.58	-0.68	17.75	<=34.77	Pass			
		25	20.57	-0.68	17.74	<=34.77	Pass			
50		0	20.54	-0.68	17.71	<=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	-7.896	-0.0113	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0070	-2.5 to 2.5	Pass
					4.43	-8.240	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-5.779	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-7.324	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-4.992	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-8.912	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-5.922	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-5.007	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-7.768	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-4.592	-0.0066	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-5.836	-0.0082	-2.5 to 2.5	Pass
					3.85	-4.878	-0.0069	-2.5 to 2.5	Pass
					4.43	-7.181	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-7.968	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass

				0	3.85	-10.557	-0.0149	-2.5 to 2.5	Pass
				10	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-8.011	-0.0113	-2.5 to 2.5	Pass
				40	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-8.483	-0.0120	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-10.843	-0.0152	-2.5 to 2.5	Pass
					3.85	-5.121	-0.0072	-2.5 to 2.5	Pass
					4.43	-10.200	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-5.765	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-8.469	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-9.112	-0.0127	-2.5 to 2.5	Pass
				0	3.85	-9.069	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-9.642	-0.0135	-2.5 to 2.5	Pass
				30	3.85	-1.888	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-6.566	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-7.896	-0.0110	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-7.854	-0.0112	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0071	-2.5 to 2.5	Pass
					4.43	-4.663	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-7.710	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-2.618	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-7.181	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-11.201	-0.0160	-2.5 to 2.5	Pass
				10	3.85	-7.281	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-8.669	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-9.313	-0.0133	-2.5 to 2.5	Pass
				50	3.85	-6.995	-0.0100	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-8.283	-0.0117	-2.5 to 2.5	Pass
					3.85	-4.849	-0.0069	-2.5 to 2.5	Pass
					4.43	-7.067	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-3.018	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-6.738	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-7.896	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-6.495	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-7.010	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-9.484	-0.0134	-2.5 to 2.5	Pass
				40	3.85	-6.652	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-6.766	-0.0096	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-2.718	-0.0038	-2.5 to 2.5	Pass
					3.85	-7.882	-0.0110	-2.5 to 2.5	Pass
					4.43	-5.593	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-9.542	-0.0133	-2.5 to 2.5	Pass
				-20	3.85	-9.527	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-6.652	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-10.715	-0.0150	-2.5 to 2.5	Pass
				30	3.85	-3.319	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-8.211	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0081	-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	-8.082	-0.0115	-2.5 to 2.5	Pass
					3.85	-6.866	-0.0098	-2.5 to 2.5	Pass

					4.43	-8.283	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-9.956	-0.0142	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-4.249	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-5.879	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-4.334	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-9.971	-0.0142	-2.5 to 2.5	Pass
				40	3.85	-4.420	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-7.453	-0.0106	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-9.227	-0.0130	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-7.811	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-6.909	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-2.990	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-2.146	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.678	-0.0066	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-6.838	-0.0096	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0028	-2.5 to 2.5	Pass
					4.43	-6.294	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-7.195	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-7.825	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-5.550	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-9.170	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-6.680	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-10.557	-0.0148	-2.5 to 2.5	Pass
				50	3.85	-4.935	-0.0069	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-6.394	-0.0091	-2.5 to 2.5	Pass
					3.85	-7.095	-0.0101	-2.5 to 2.5	Pass
					4.43	-7.195	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-8.984	-0.0128	-2.5 to 2.5	Pass
				-20	3.85	-2.217	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-7.224	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-9.427	-0.0135	-2.5 to 2.5	Pass
				30	3.85	-8.240	-0.0118	-2.5 to 2.5	Pass
				40	3.85	-5.522	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-5.708	-0.0081	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-5.865	-0.0083	-2.5 to 2.5	Pass
					3.85	-6.523	-0.0092	-2.5 to 2.5	Pass
					4.43	-6.652	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-3.991	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-4.463	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-3.734	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-5.093	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-6.251	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-9.971	-0.0141	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-4.621	-0.0065	-2.5 to 2.5	Pass
					3.85	-5.450	-0.0076	-2.5 to 2.5	Pass
					4.43	-9.313	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-6.194	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-8.883	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass

				0	3.85	-5.221	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-6.409	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-5.550	-0.0078	-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	-8.483	-0.0121	-2.5 to 2.5	Pass
					3.85	-6.738	-0.0096	-2.5 to 2.5	Pass
					4.43	-8.111	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-7.453	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-7.153	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-3.777	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-5.851	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-6.251	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-3.219	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-6.981	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-4.349	-0.0062	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-10.242	-0.0145	-2.5 to 2.5	Pass
					3.85	-6.151	-0.0087	-2.5 to 2.5	Pass
					4.43	-9.184	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-6.924	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-6.208	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-7.224	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-4.692	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-3.877	-0.0055	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-10.200	-0.0143	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0078	-2.5 to 2.5	Pass
					4.43	-6.008	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-8.183	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-10.428	-0.0146	-2.5 to 2.5	Pass
				-10	3.85	-5.665	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-5.178	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-7.982	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-5.465	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-6.623	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-4.835	-0.0068	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-9.084	-0.0129	-2.5 to 2.5	Pass
					3.85	-7.281	-0.0104	-2.5 to 2.5	Pass
					4.43	-8.683	-0.0124	-2.5 to 2.5	Pass
				-30	3.85	-12.589	-0.0179	-2.5 to 2.5	Pass
				-20	3.85	-8.082	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-6.480	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-4.621	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-7.110	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-8.097	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-5.493	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-4.263	-0.0061	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-5.779	-0.0082	-2.5 to 2.5	Pass
					3.85	-4.878	-0.0069	-2.5 to 2.5	Pass

					4.43	-6.680	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-6.838	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-6.294	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-5.808	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-9.499	-0.0134	-2.5 to 2.5	Pass
				10	3.85	-6.266	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-8.411	-0.0119	-2.5 to 2.5	Pass
				40	3.85	-3.633	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-2.203	-0.0031	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-8.268	-0.0116	-2.5 to 2.5	Pass
					3.85	-8.240	-0.0115	-2.5 to 2.5	Pass
					4.43	-6.666	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-5.264	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-6.423	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-7.725	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-6.022	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-7.982	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-4.292	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-7.668	-0.0107	-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	-9.055	-0.0129	-2.5 to 2.5	Pass
					3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
					4.43	-4.764	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-6.294	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-7.968	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-6.566	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-8.154	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-7.653	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-7.296	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-4.778	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-7.710	-0.0110	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-9.627	-0.0136	-2.5 to 2.5	Pass
					3.85	-4.220	-0.0060	-2.5 to 2.5	Pass
					4.43	-4.706	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-6.795	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-3.834	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-7.768	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-8.898	-0.0126	-2.5 to 2.5	Pass
				10	3.85	-4.163	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-8.841	-0.0125	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-6.309	-0.0089	-2.5 to 2.5	Pass
					3.85	-3.877	-0.0055	-2.5 to 2.5	Pass
					4.43	-3.376	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-4.020	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-2.689	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-5.007	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0071	-2.5 to 2.5	Pass

16QAM	704	50	0	40	3.85	-5.851	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-5.422	-0.0076	-2.5 to 2.5	Pass
				20	3.27	-3.805	-0.0054	-2.5 to 2.5	Pass
					3.85	-6.523	-0.0093	-2.5 to 2.5	Pass
					4.43	-3.133	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-7.424	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-7.324	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-9.012	-0.0128	-2.5 to 2.5	Pass
				0	3.85	-9.041	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-11.158	-0.0158	-2.5 to 2.5	Pass
	707.5	50	0	30	3.85	-3.648	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-5.379	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
				20	3.27	-5.064	-0.0072	-2.5 to 2.5	Pass
					3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
					4.43	-2.360	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-7.067	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-6.337	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-6.065	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-6.866	-0.0097	-2.5 to 2.5	Pass
	711	50	0	10	3.85	-6.166	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-5.951	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0077	-2.5 to 2.5	Pass
				20	3.27	-3.219	-0.0045	-2.5 to 2.5	Pass
					3.85	-5.164	-0.0073	-2.5 to 2.5	Pass
					4.43	-6.995	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-8.368	-0.0118	-2.5 to 2.5	Pass
				-20	3.85	-6.938	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-5.178	-0.0073	-2.5 to 2.5	Pass

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 / NTNV						
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

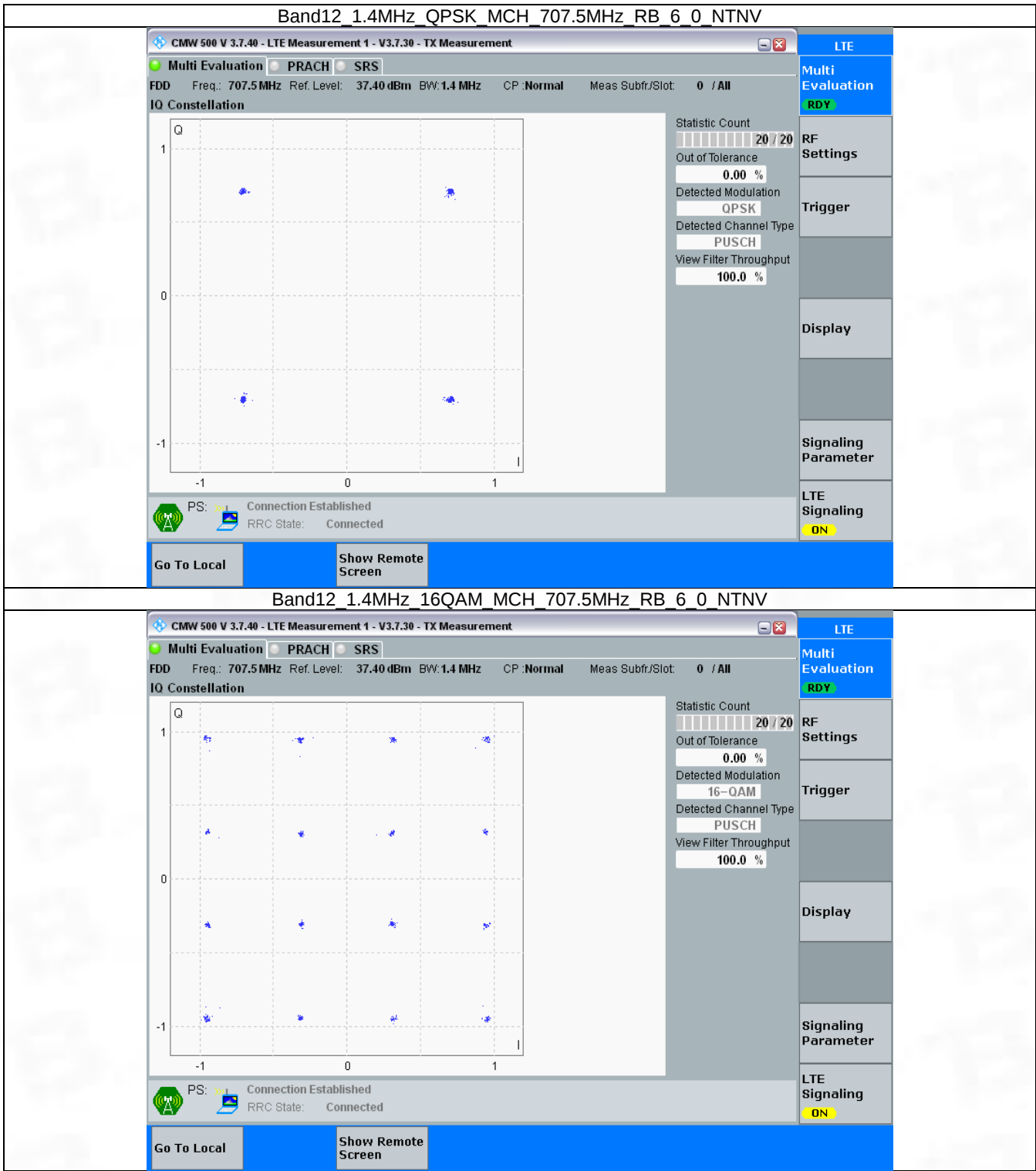
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

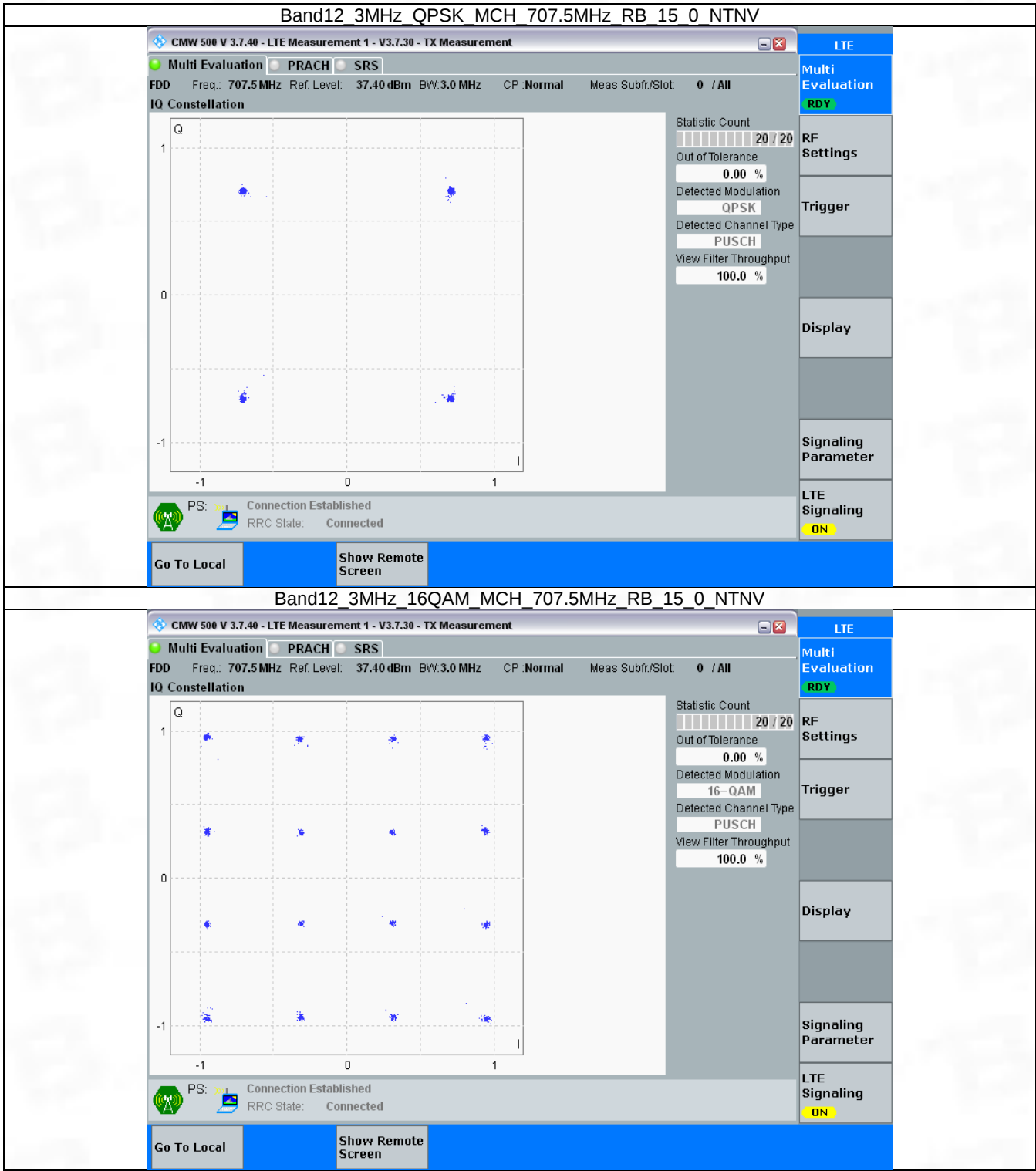
Band: 12 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

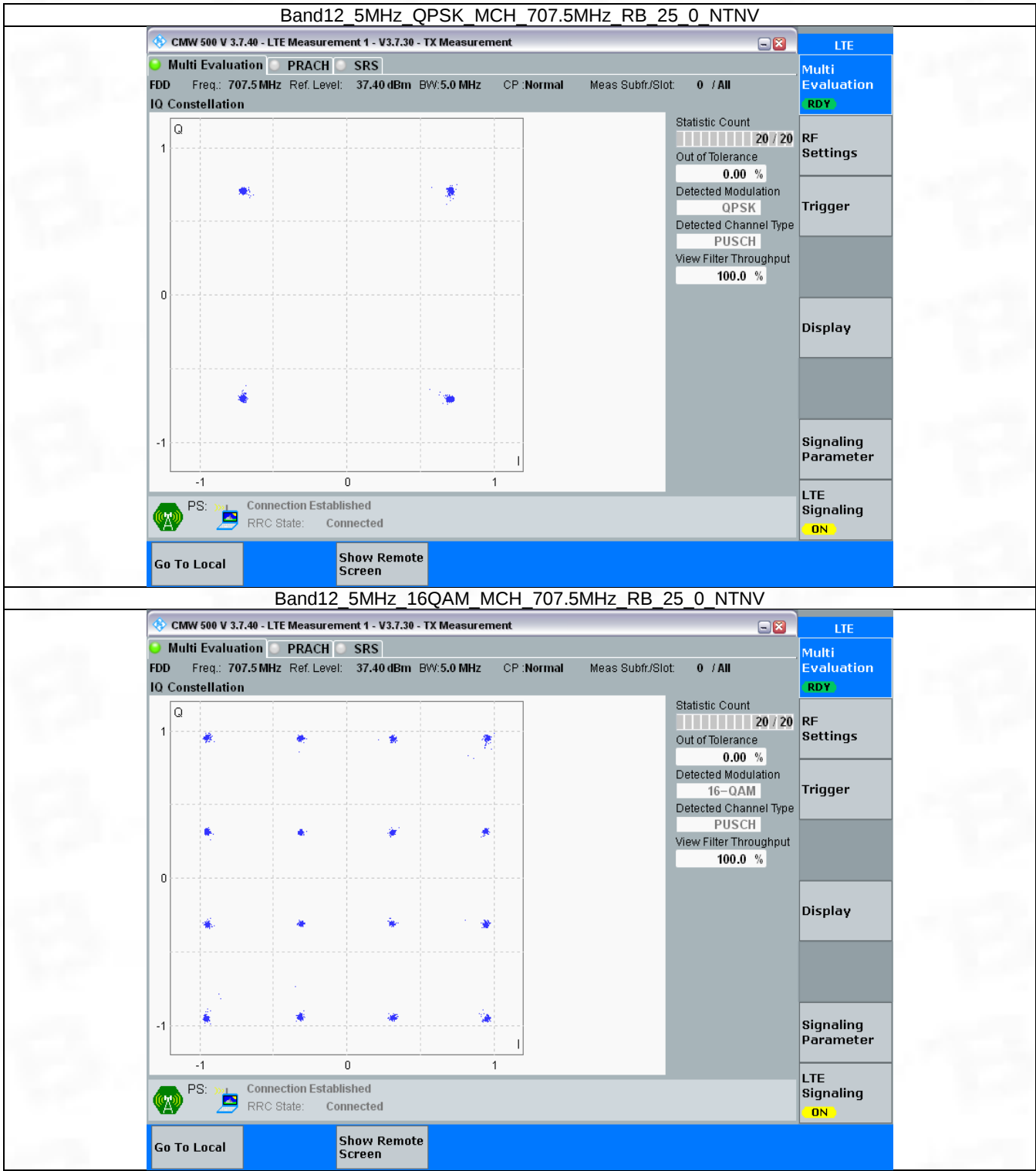
3.2.1 B12_1.4MHz



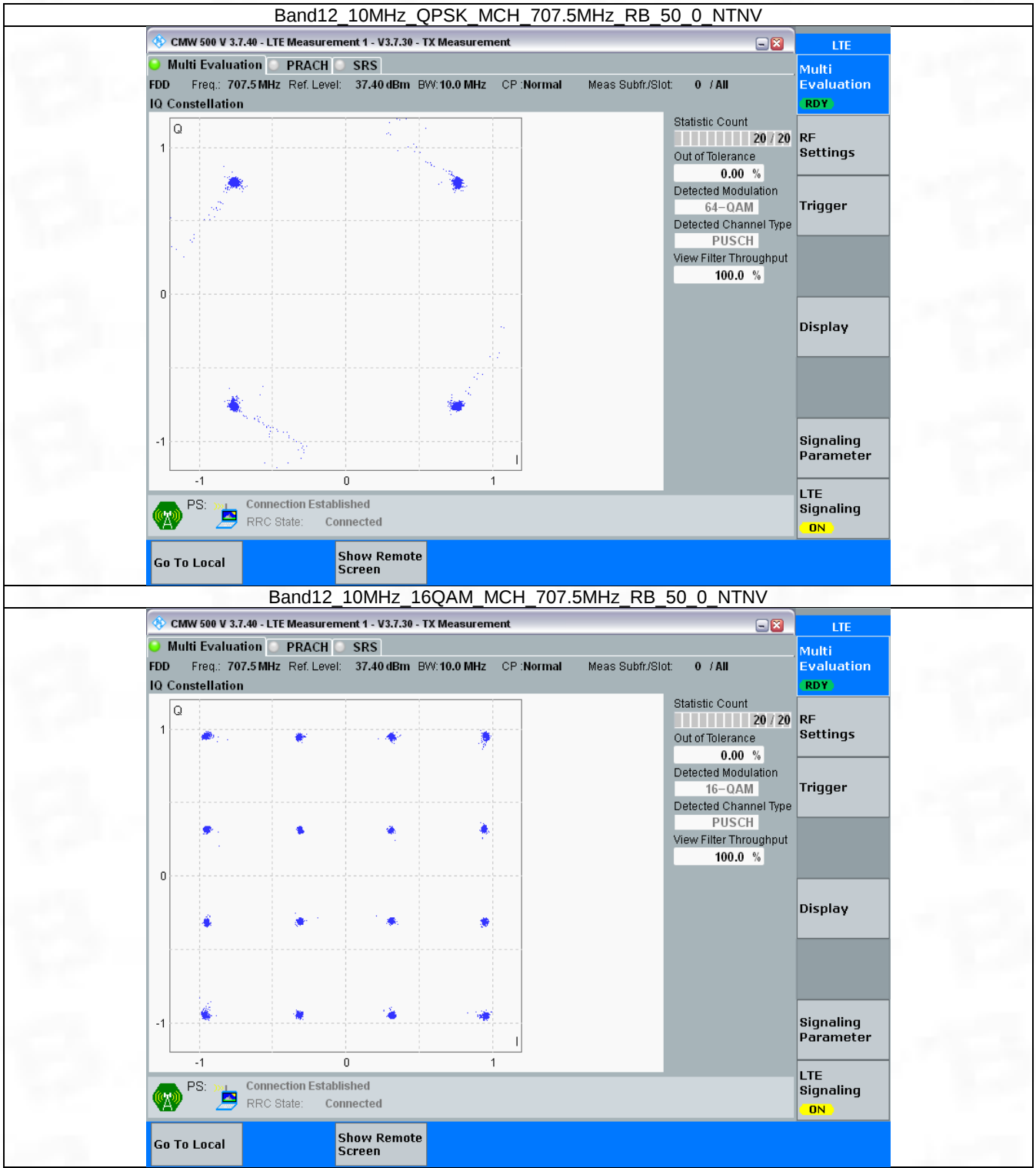
3.2.2 B12_3MHz



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	1.105	/	Pass
		707.5	6	0	1.106	/	Pass
		715.3	6	0	1.108	/	Pass
	16QAM	699.7	6	0	1.119	/	Pass
		707.5	6	0	1.100	/	Pass
		715.3	6	0	1.113	/	Pass
3	QPSK	700.5	15	0	2.726	/	Pass
		707.5	15	0	2.726	/	Pass
		714.5	15	0	2.726	/	Pass
	16QAM	700.5	15	0	2.717	/	Pass
		707.5	15	0	2.725	/	Pass
		714.5	15	0	2.716	/	Pass
5	QPSK	701.5	25	0	4.570	/	Pass
		707.5	25	0	4.592	/	Pass
		713.5	25	0	4.588	/	Pass
	16QAM	701.5	25	0	4.591	/	Pass
		707.5	25	0	4.627	/	Pass
		713.5	25	0	4.571	/	Pass
10	QPSK	704	50	0	9.119	/	Pass
		707.5	50	0	9.045	/	Pass
		711	50	0	9.083	/	Pass
	16QAM	704	50	0	9.078	/	Pass
		707.5	50	0	9.071	/	Pass
		711	50	0	9.074	/	Pass

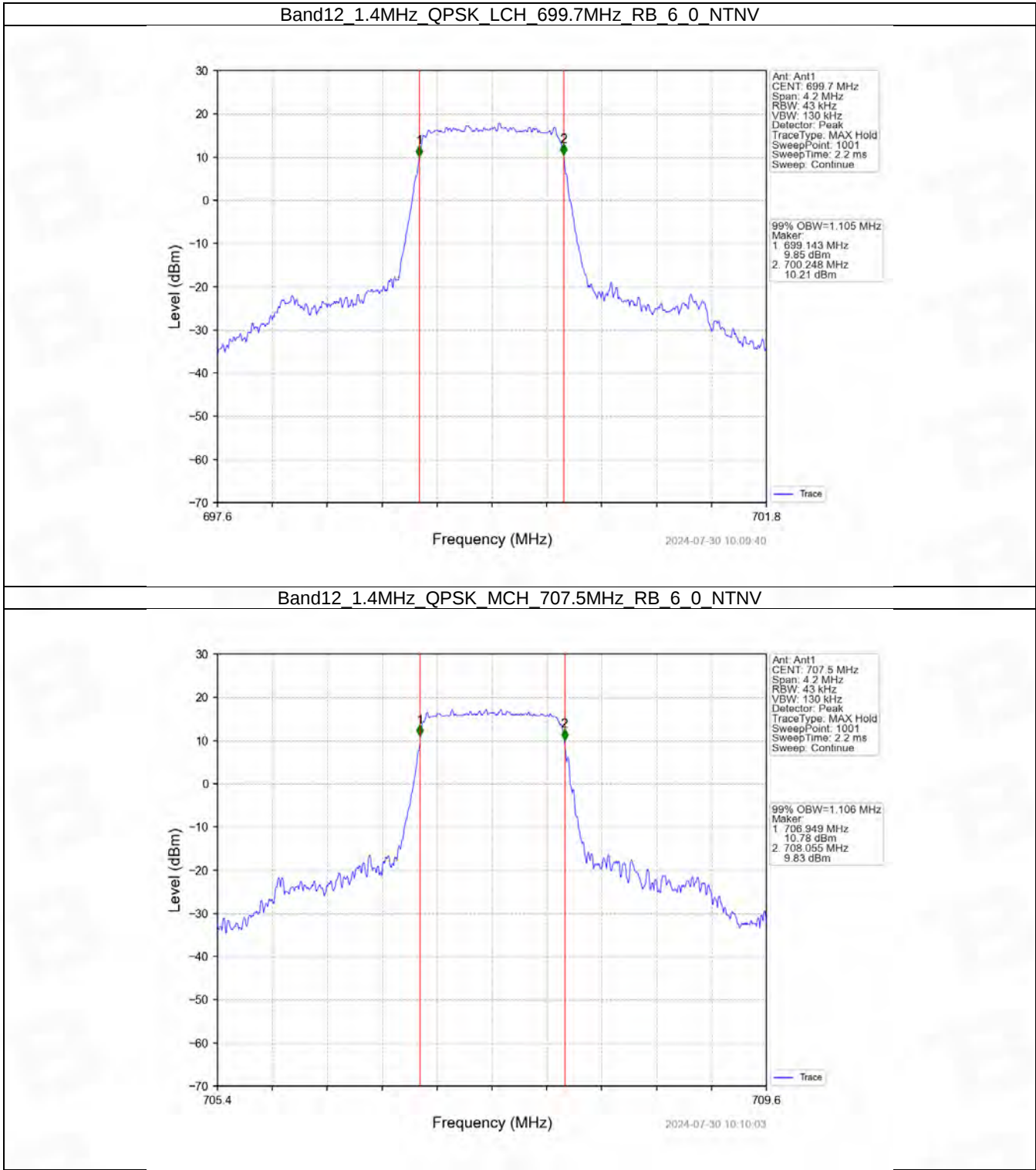
4.1.2 Band12_XDB

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	1.305	/	Pass
		707.5	6	0	1.321	/	Pass
		715.3	6	0	1.328	/	Pass
	16QAM	699.7	6	0	1.465	/	Pass
		707.5	6	0	1.305	/	Pass
		715.3	6	0	1.331	/	Pass
3	QPSK	700.5	15	0	2.988	/	Pass
		707.5	15	0	2.997	/	Pass
		714.5	15	0	3.014	/	Pass
	16QAM	700.5	15	0	2.993	/	Pass
		707.5	15	0	2.988	/	Pass
		714.5	15	0	2.990	/	Pass
5	QPSK	701.5	25	0	5.276	/	Pass
		707.5	25	0	5.463	/	Pass
		713.5	25	0	5.333	/	Pass

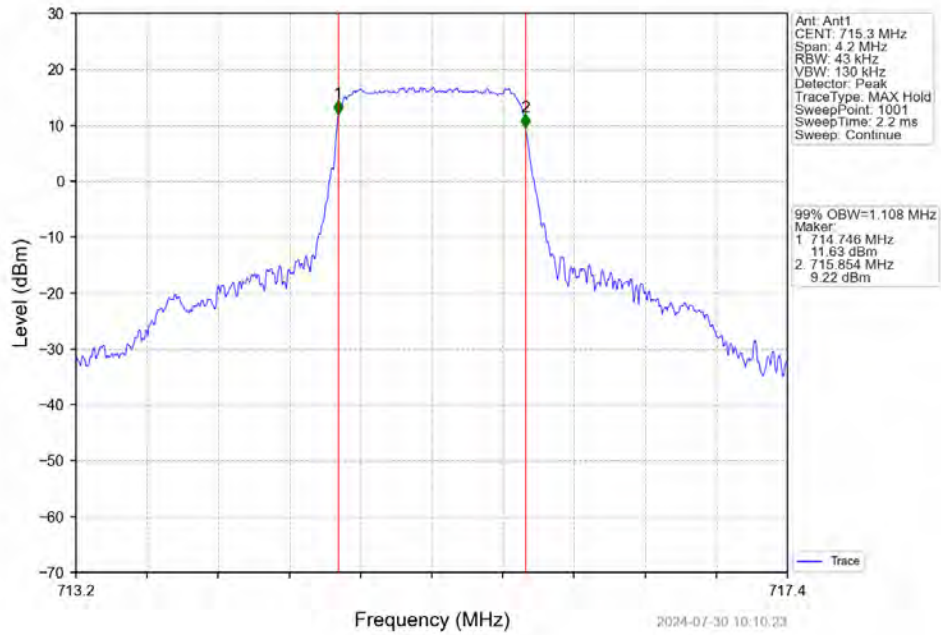
	16QAM	701.5	25	0	5.355	/	Pass
		707.5	25	0	6.863	/	Pass
		713.5	25	0	5.241	/	Pass
10	QPSK	704	50	0	10.178	/	Pass
		707.5	50	0	10.264	/	Pass
		711	50	0	10.273	/	Pass
	16QAM	704	50	0	10.270	/	Pass
		707.5	50	0	10.232	/	Pass
		711	50	0	10.189	/	Pass

4.2 Test Graph

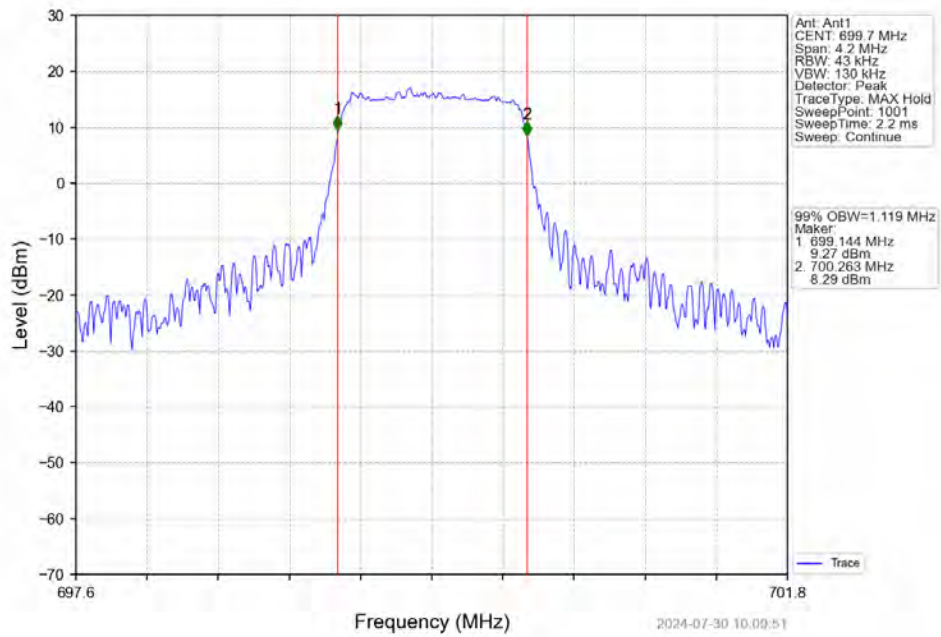
4.2.1 Band12_OBW



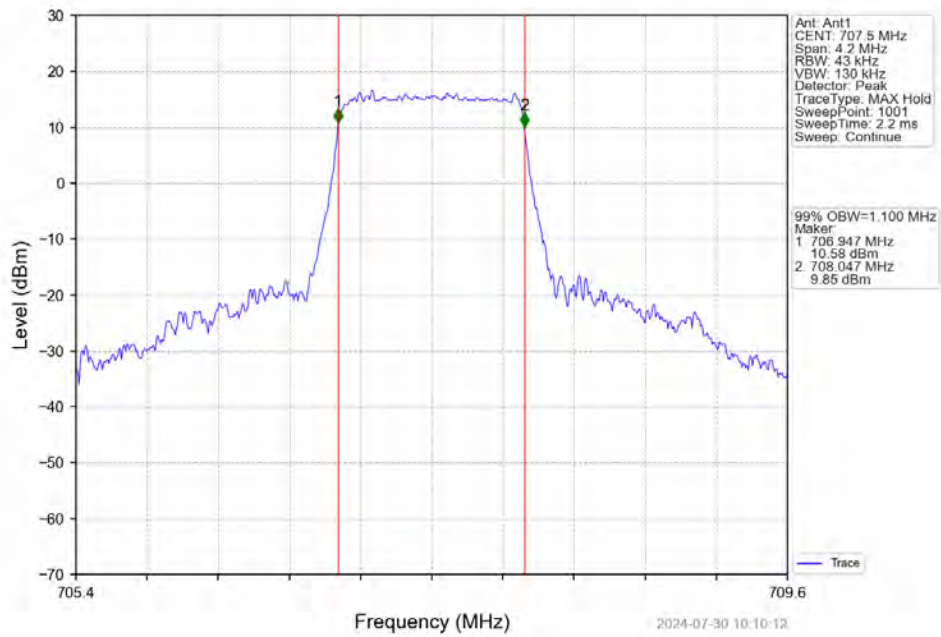
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



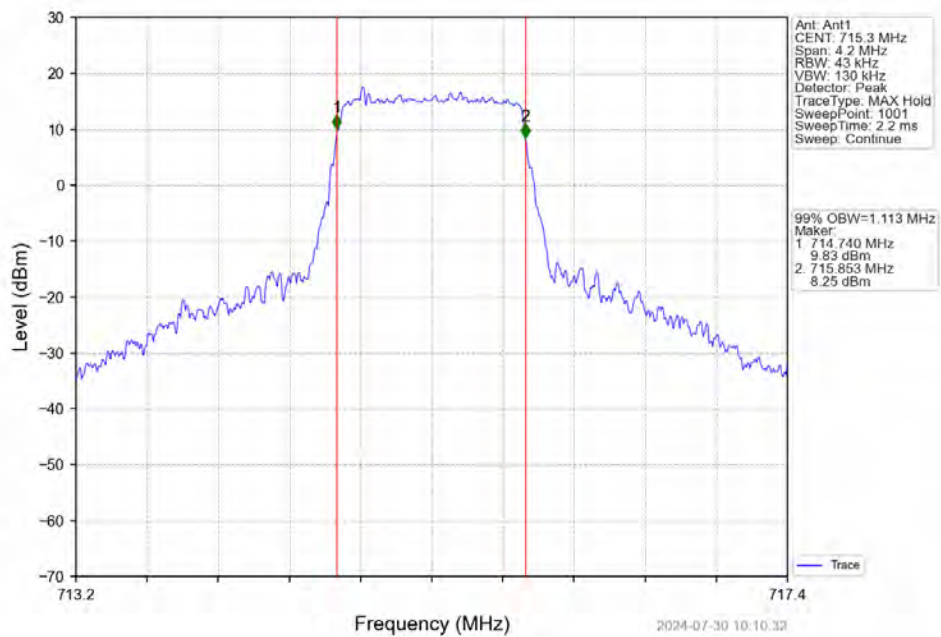
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



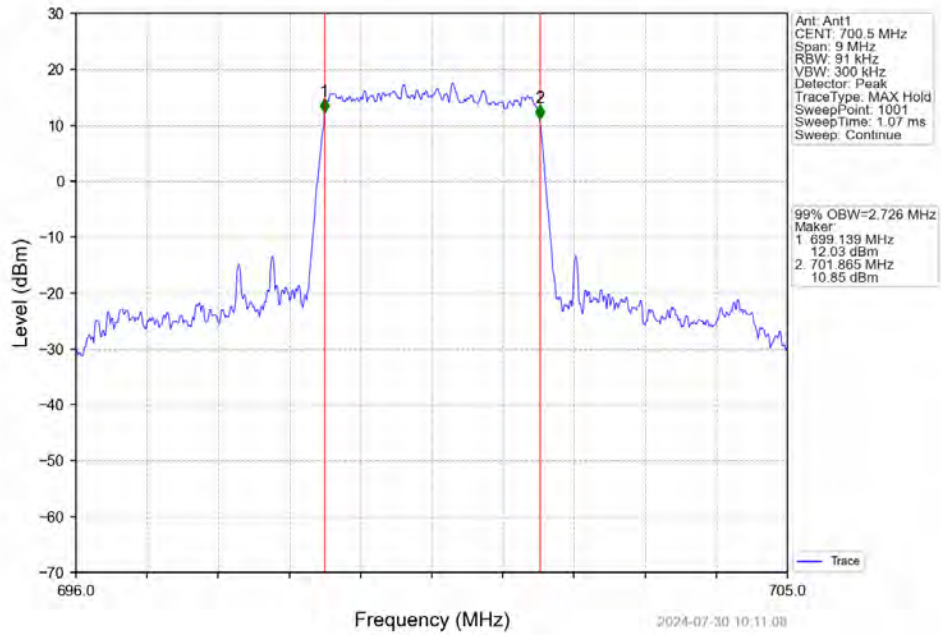
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



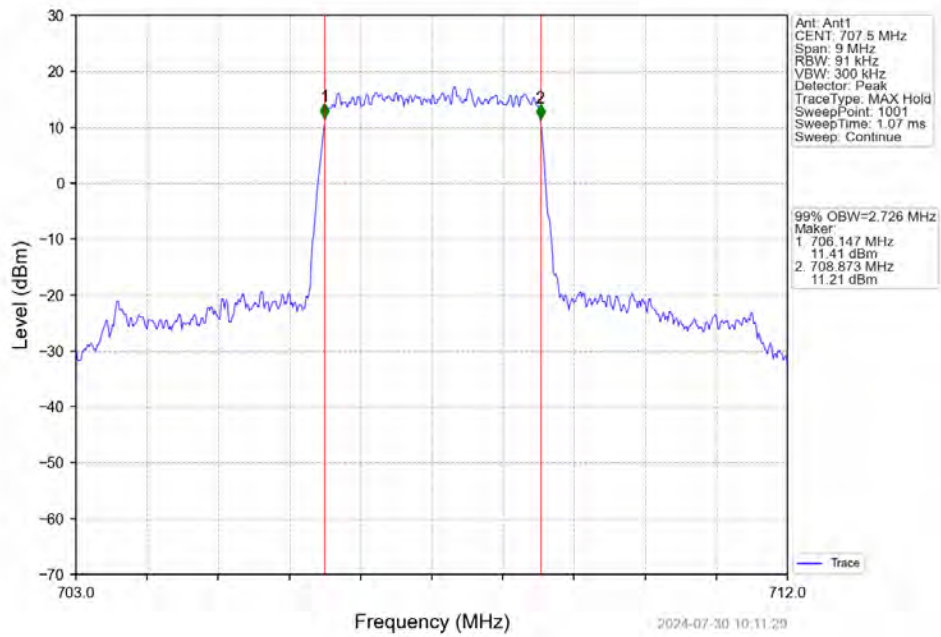
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



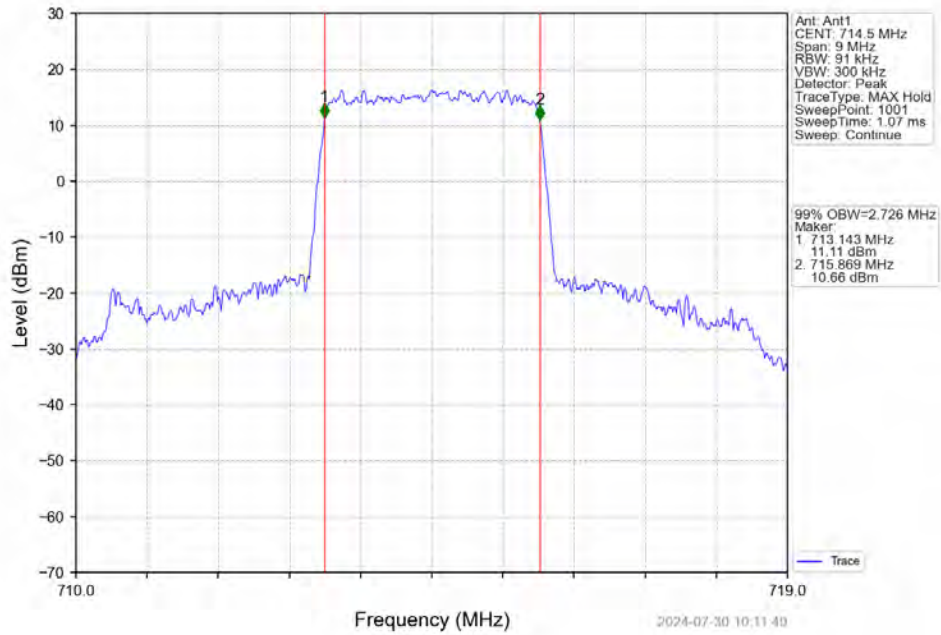
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



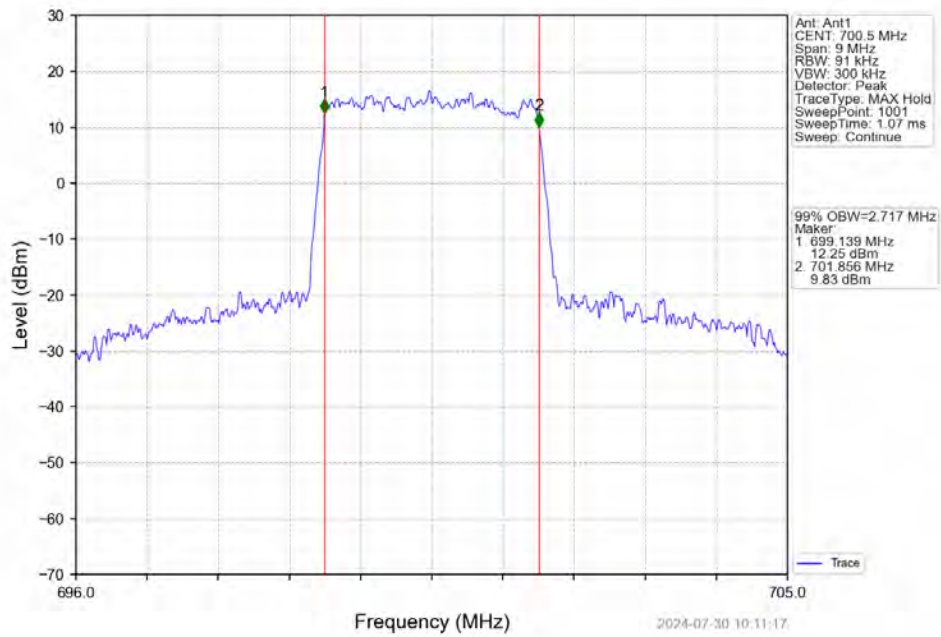
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



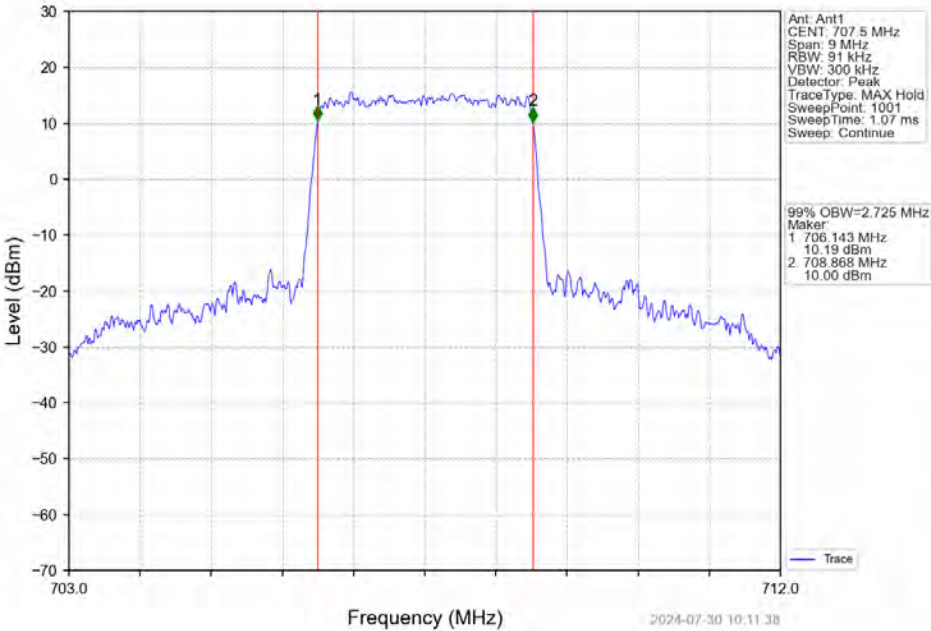
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



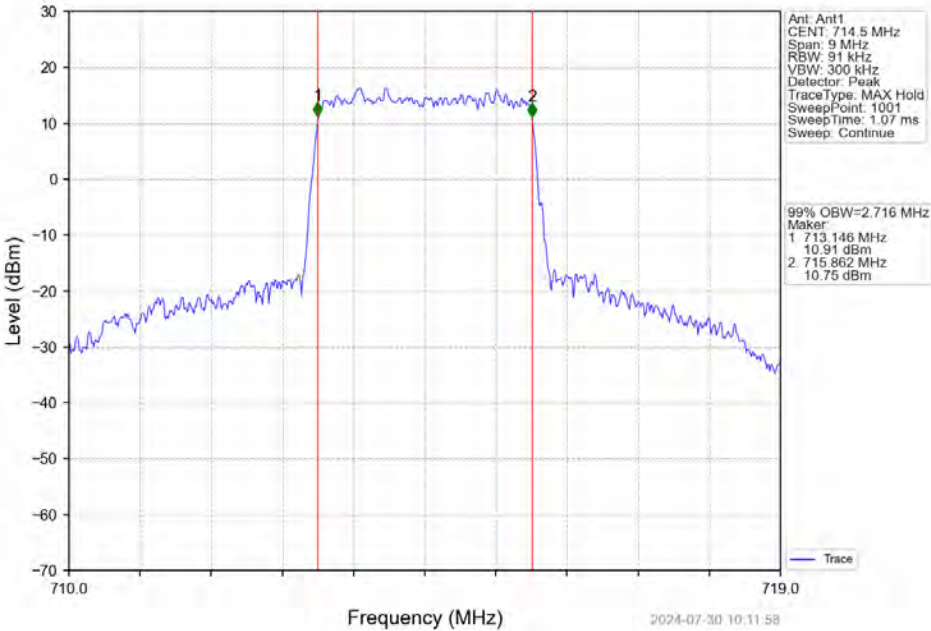
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



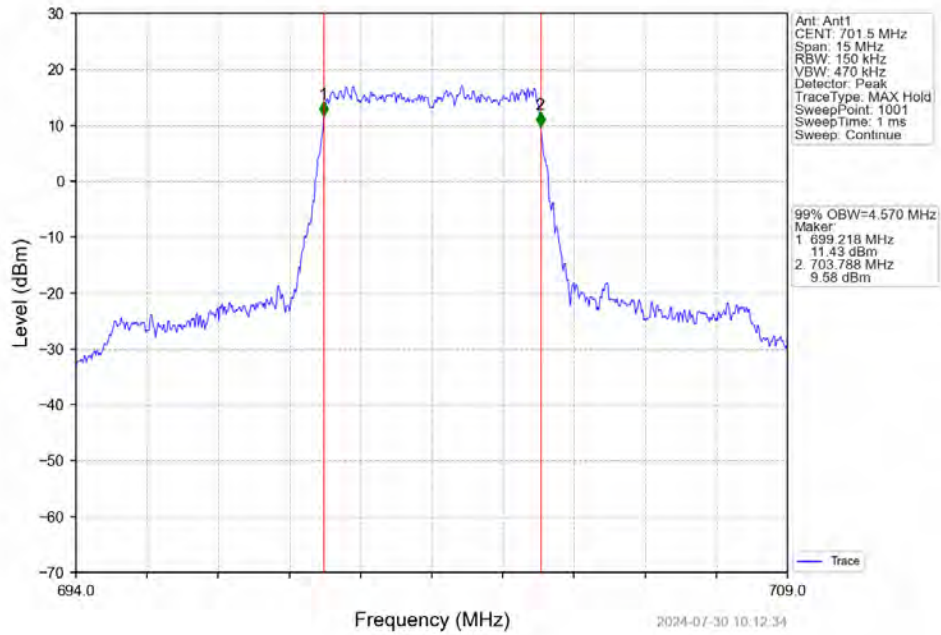
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



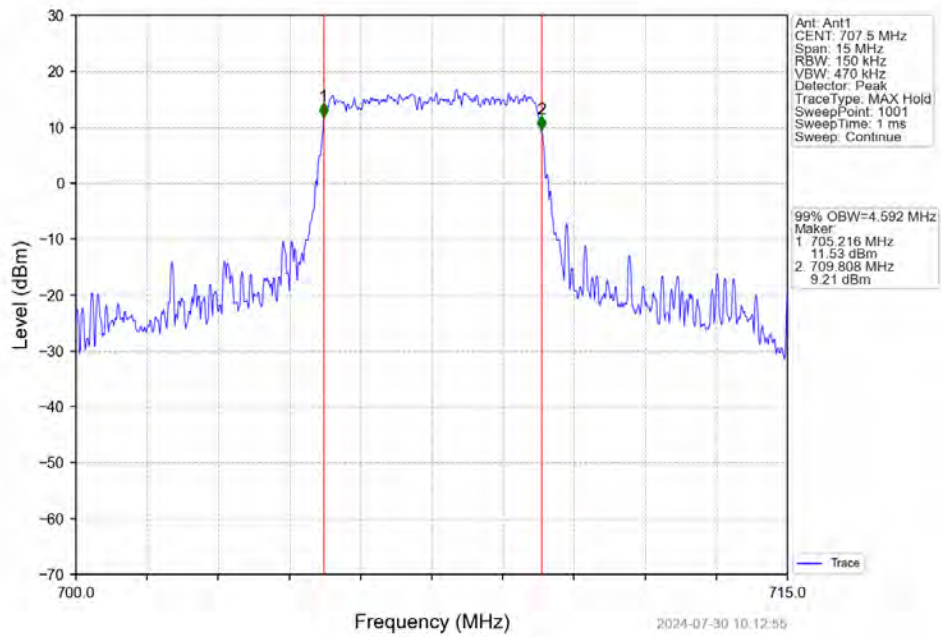
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



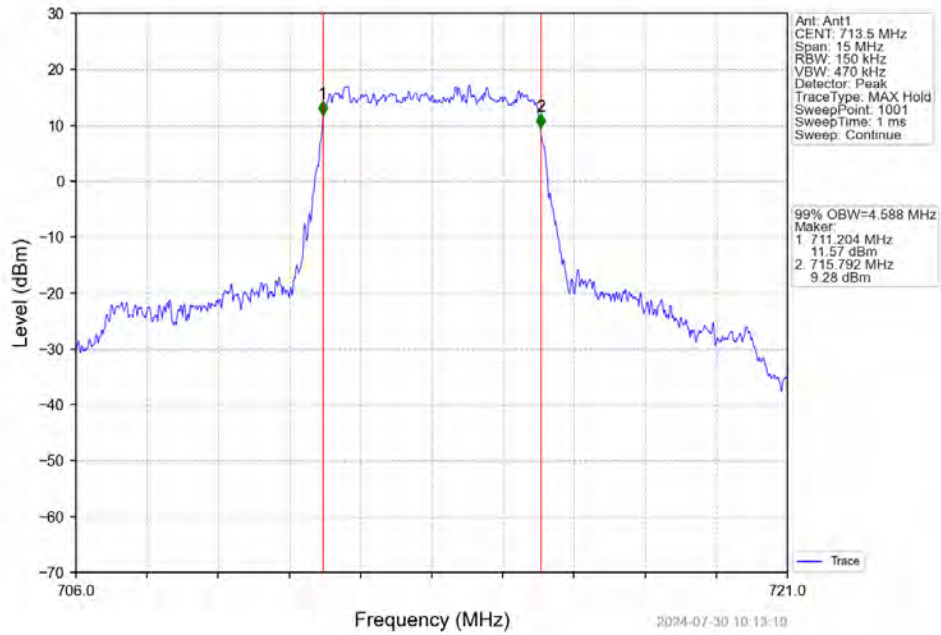
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



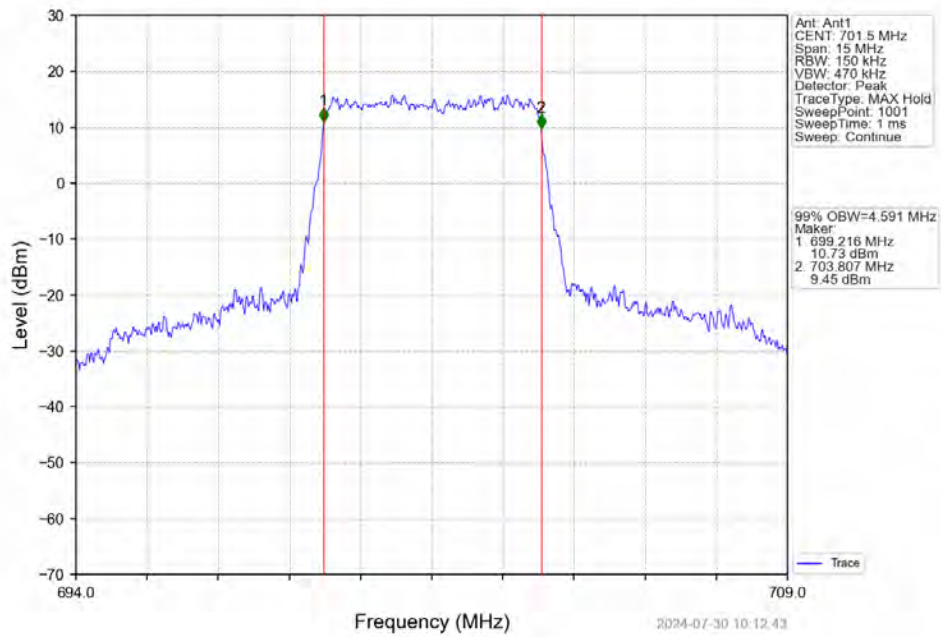
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



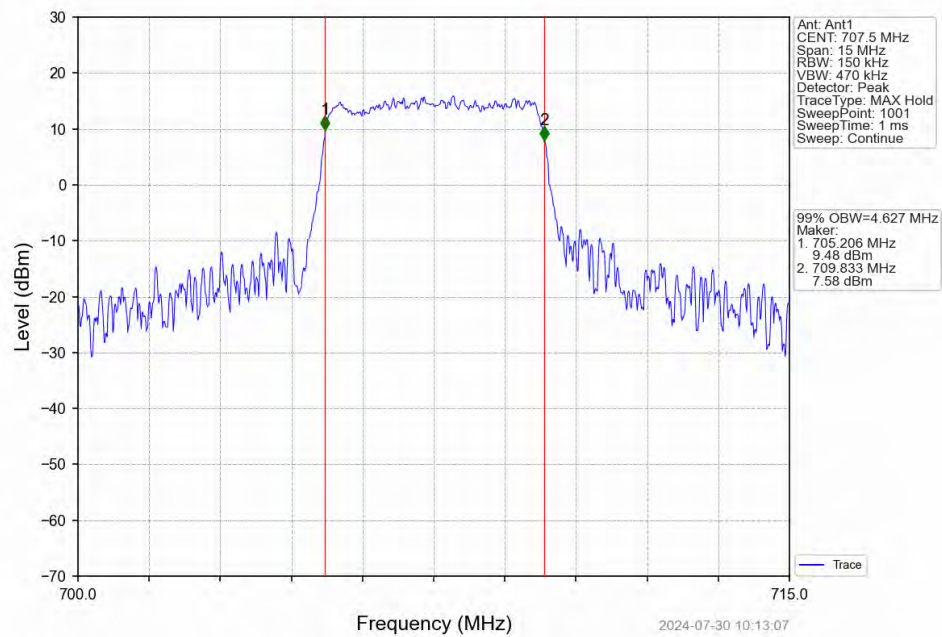
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



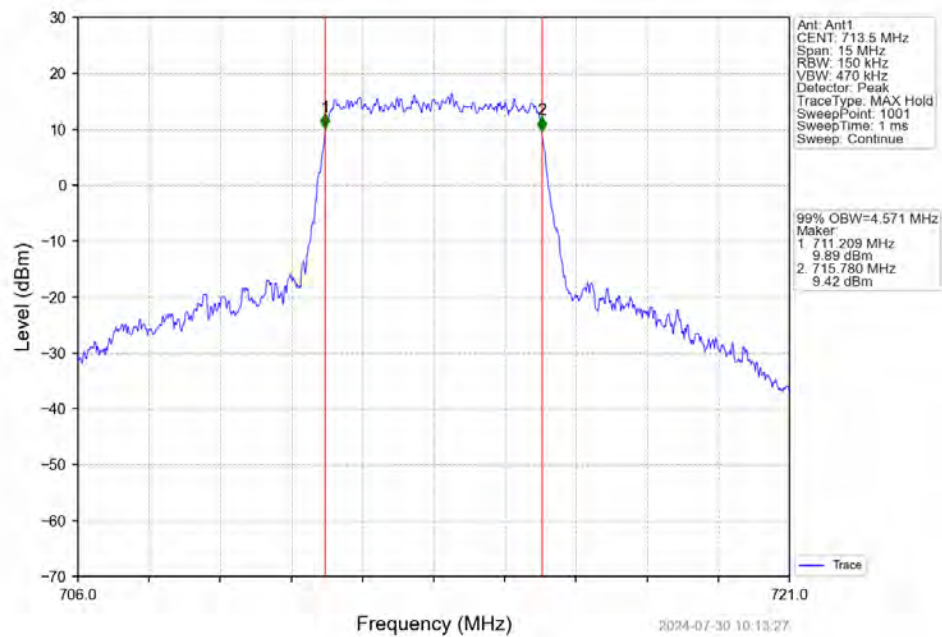
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



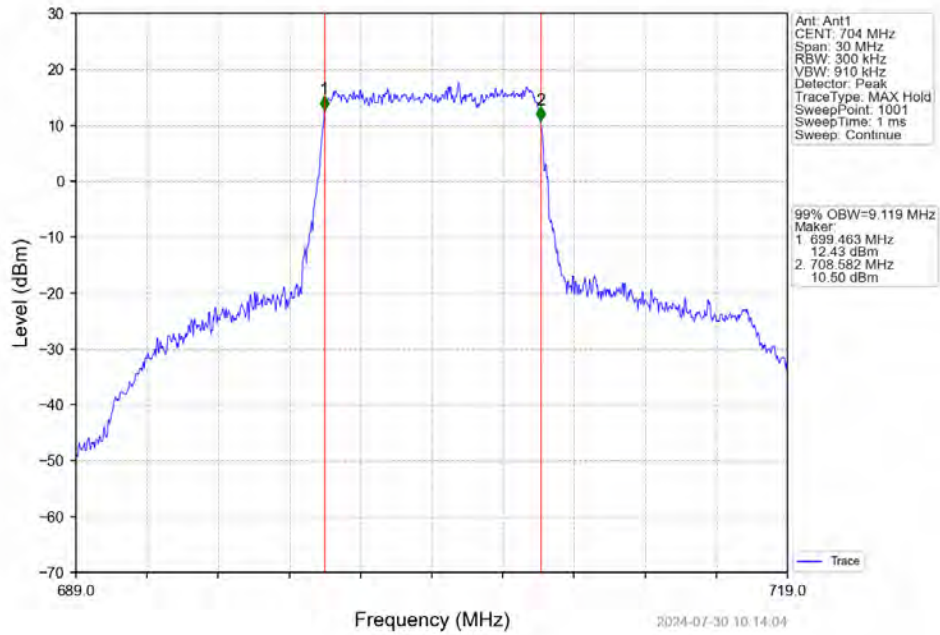
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



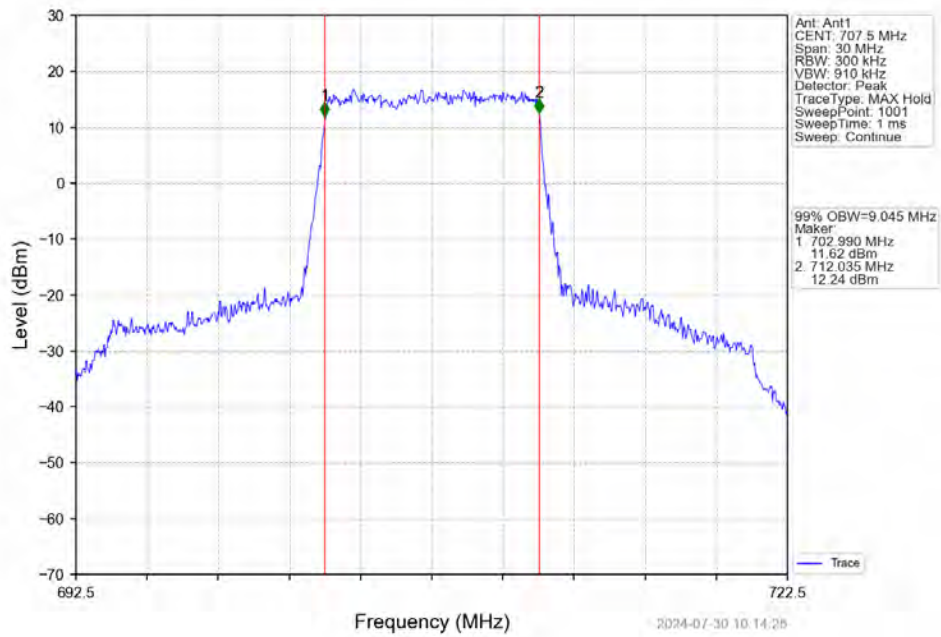
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



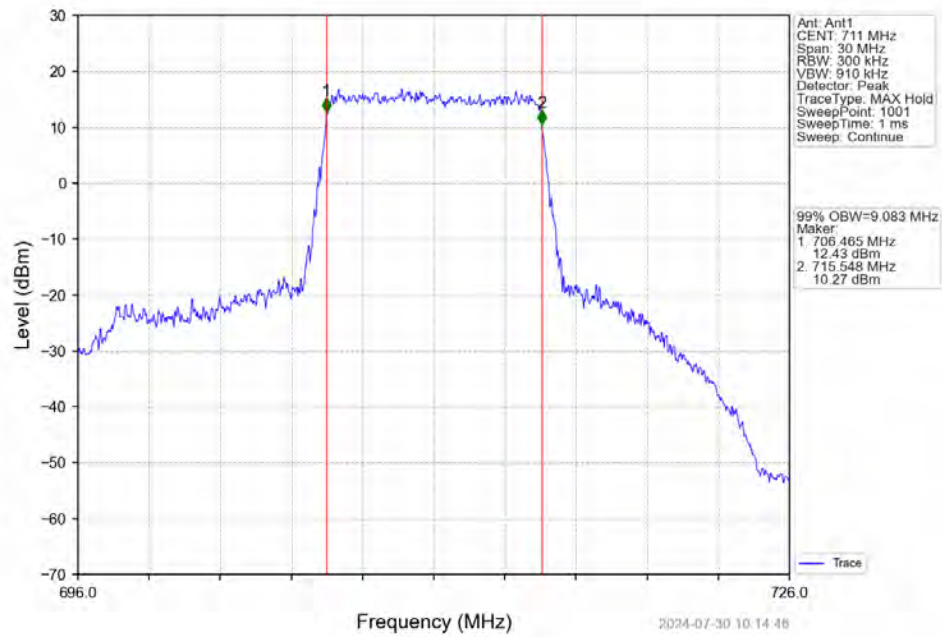
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



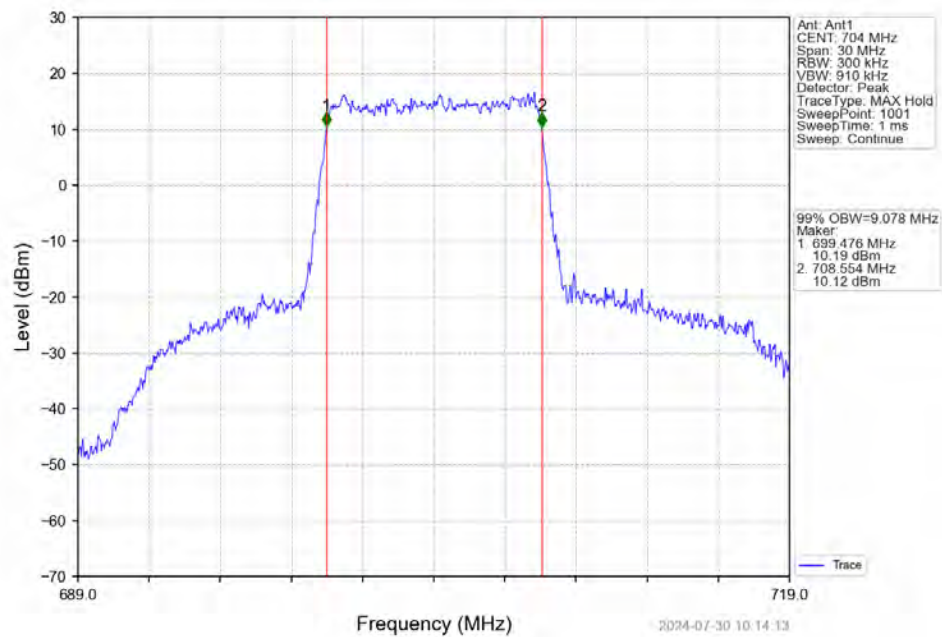
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



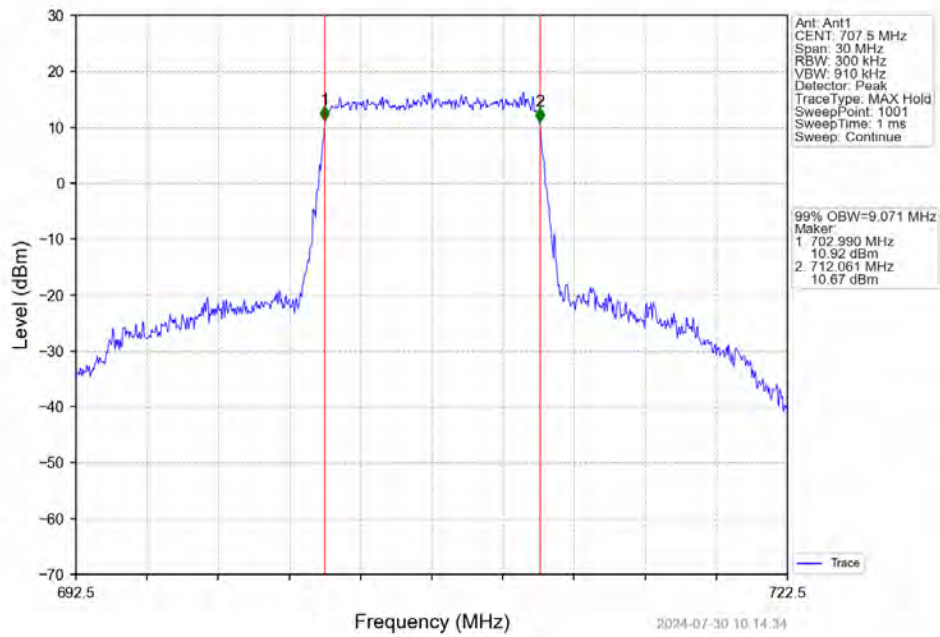
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTN



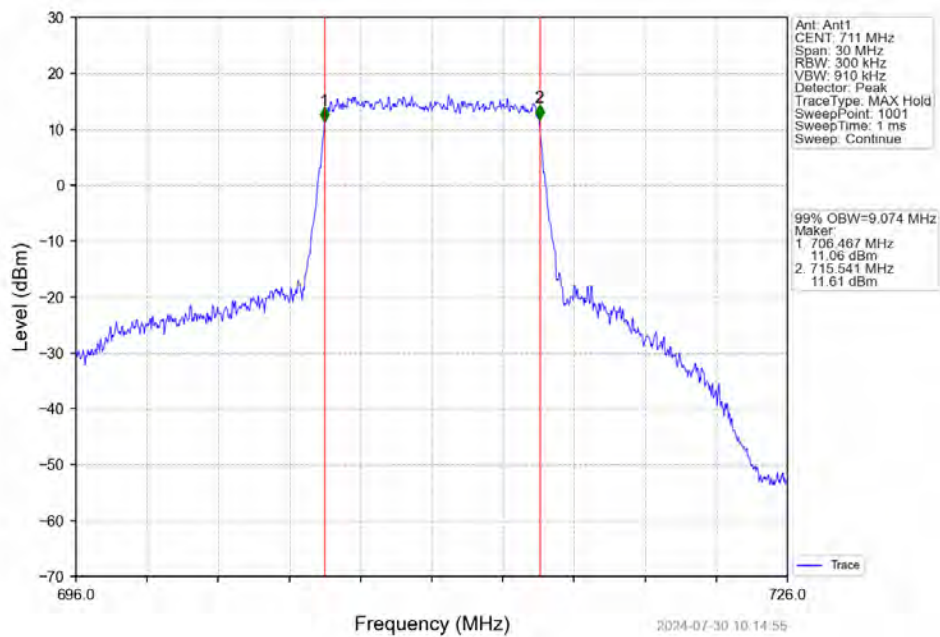
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTN



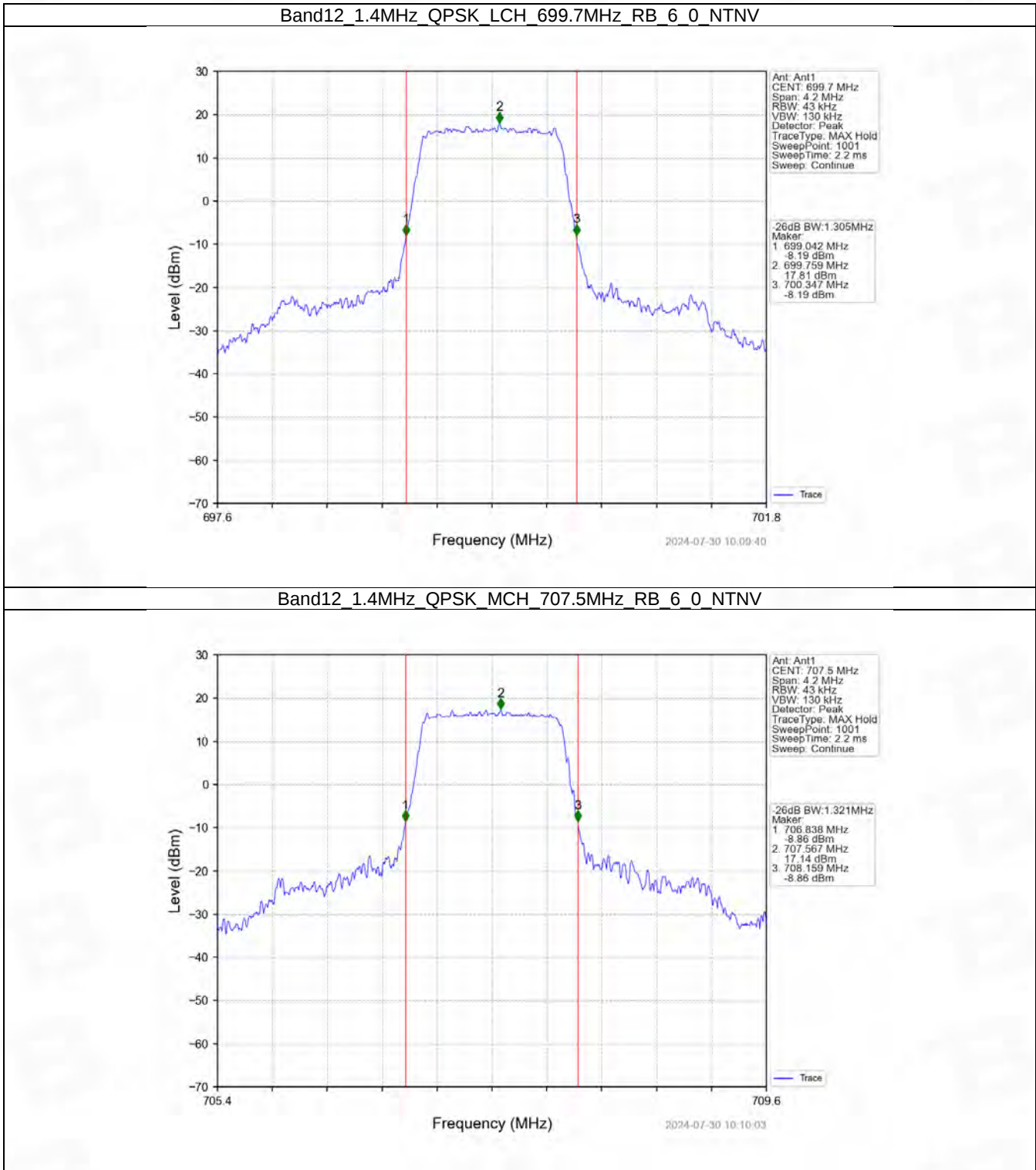
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTNV



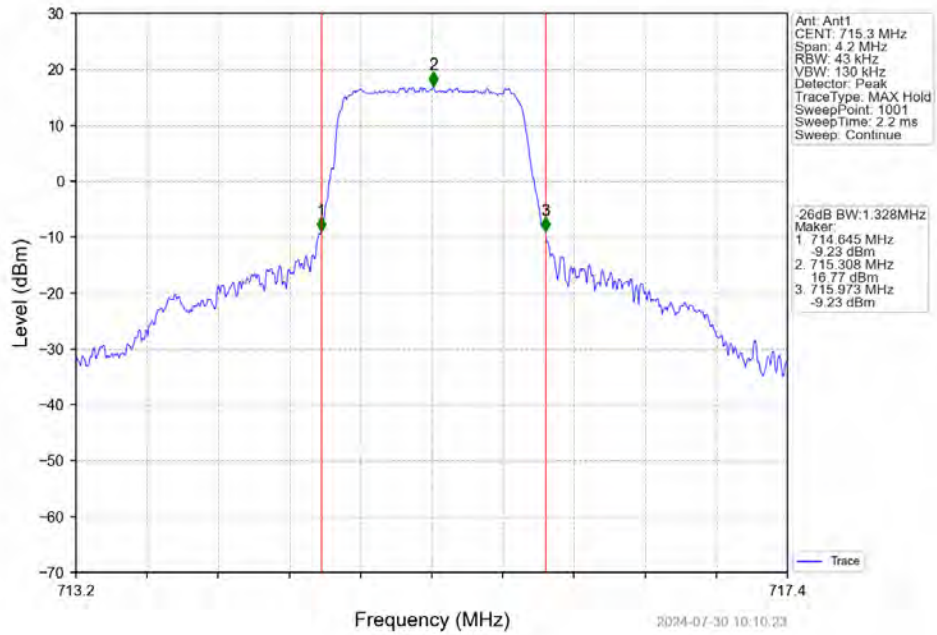
Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTNV



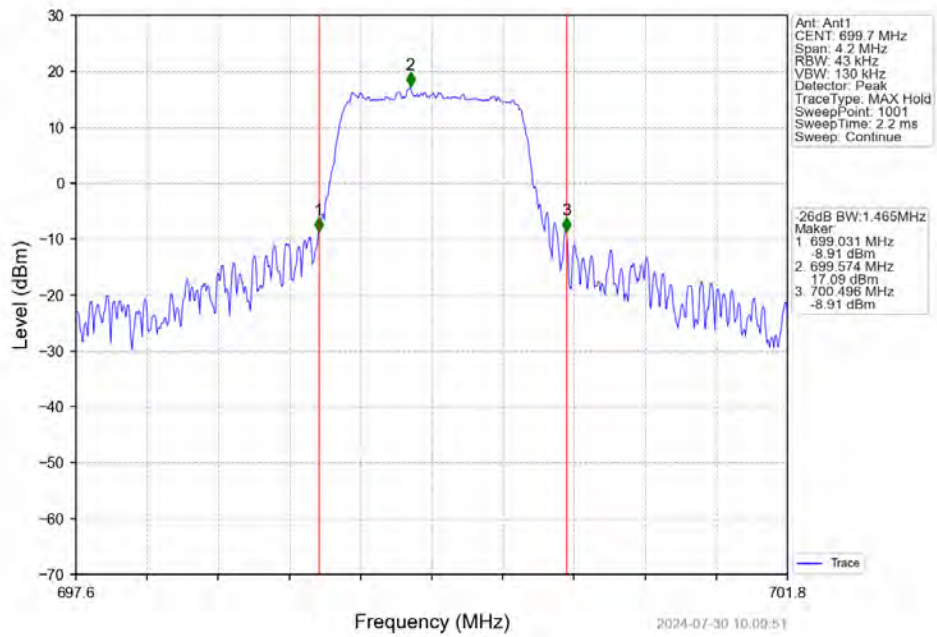
4.2.2 Band12_XDB



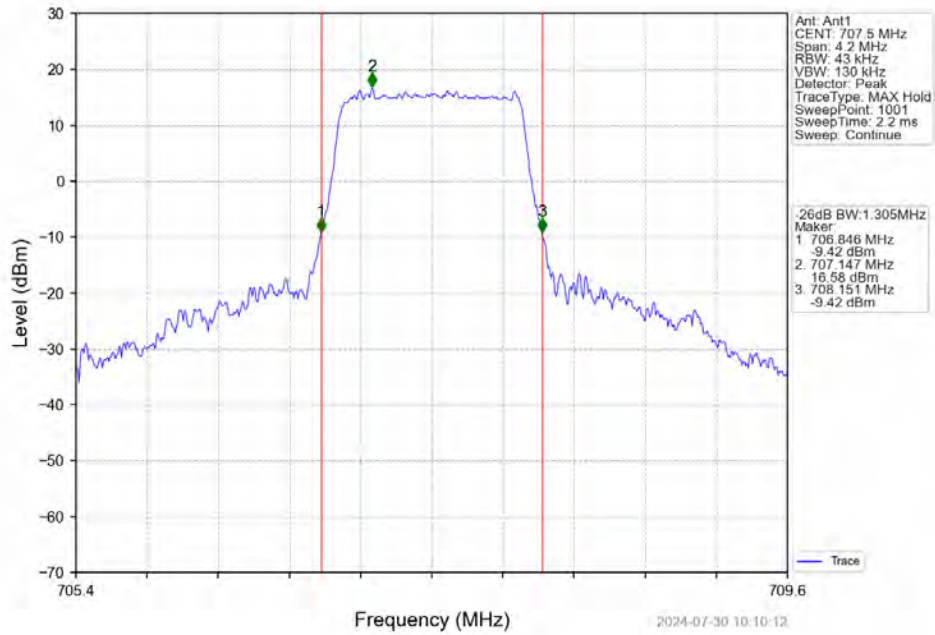
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



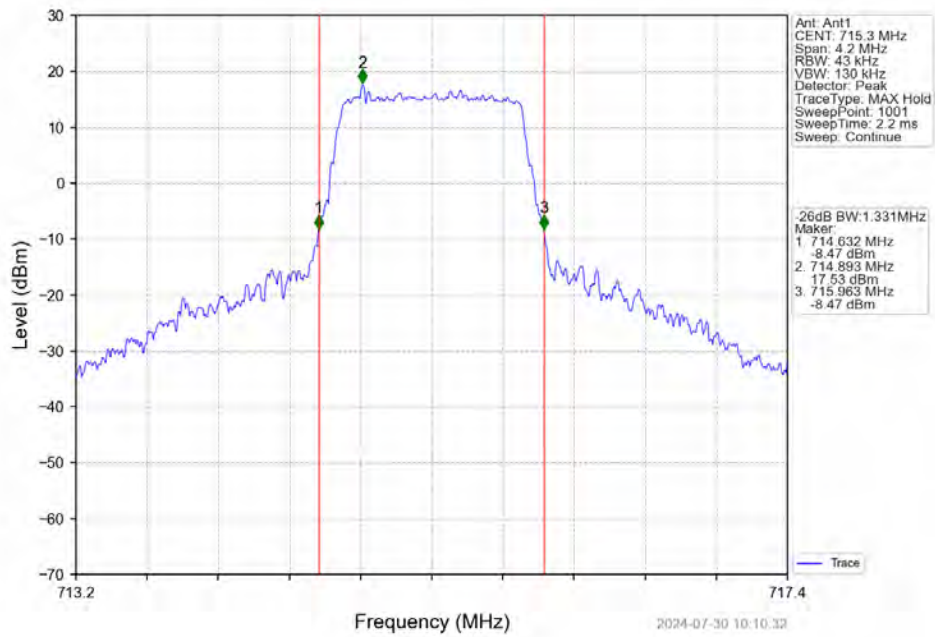
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



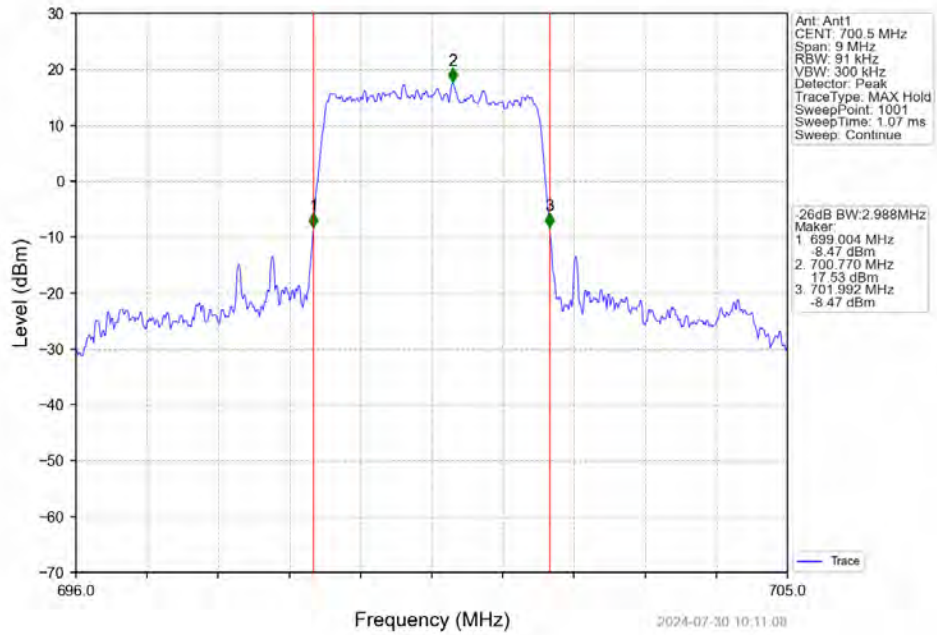
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



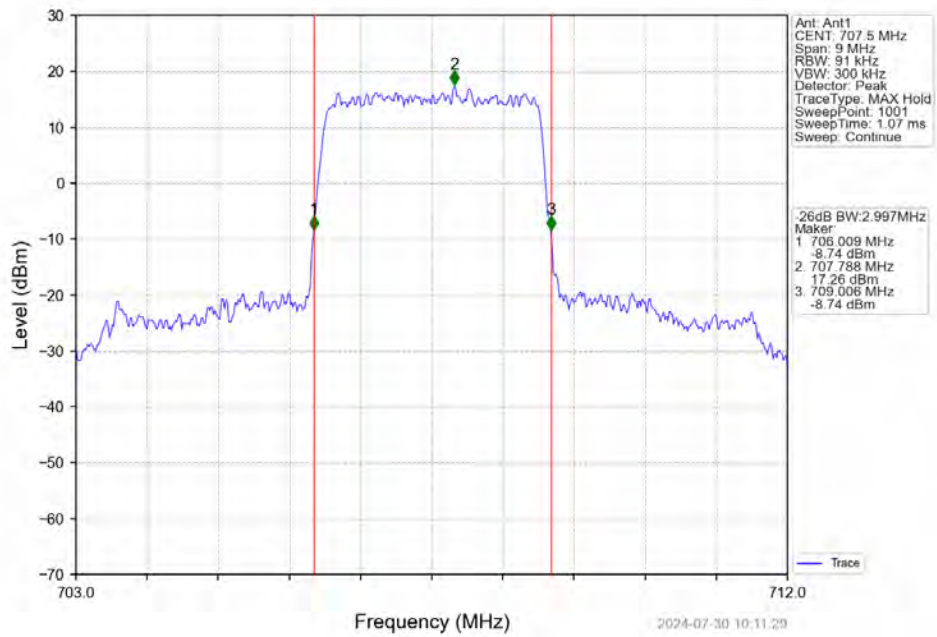
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



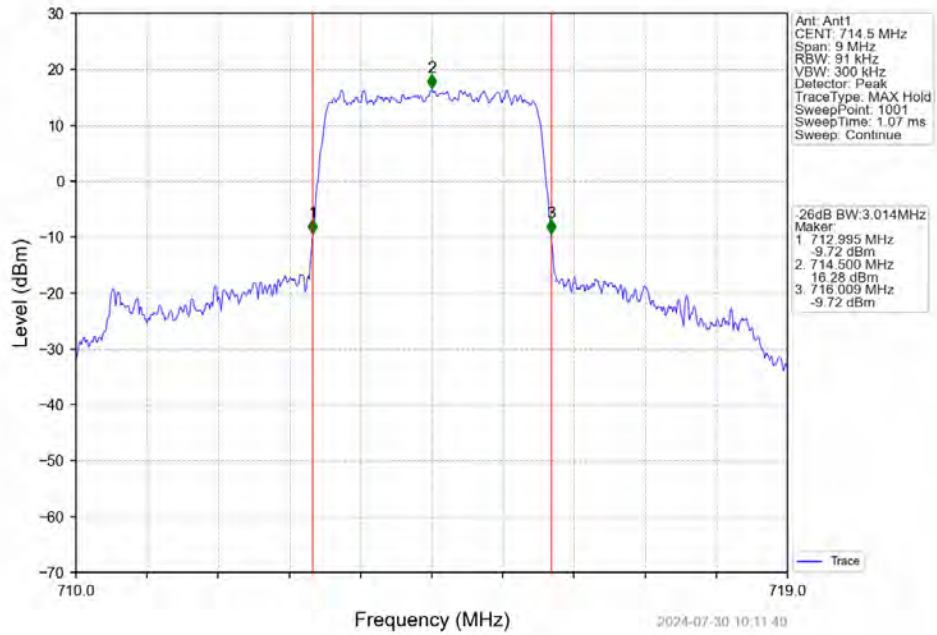
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTN



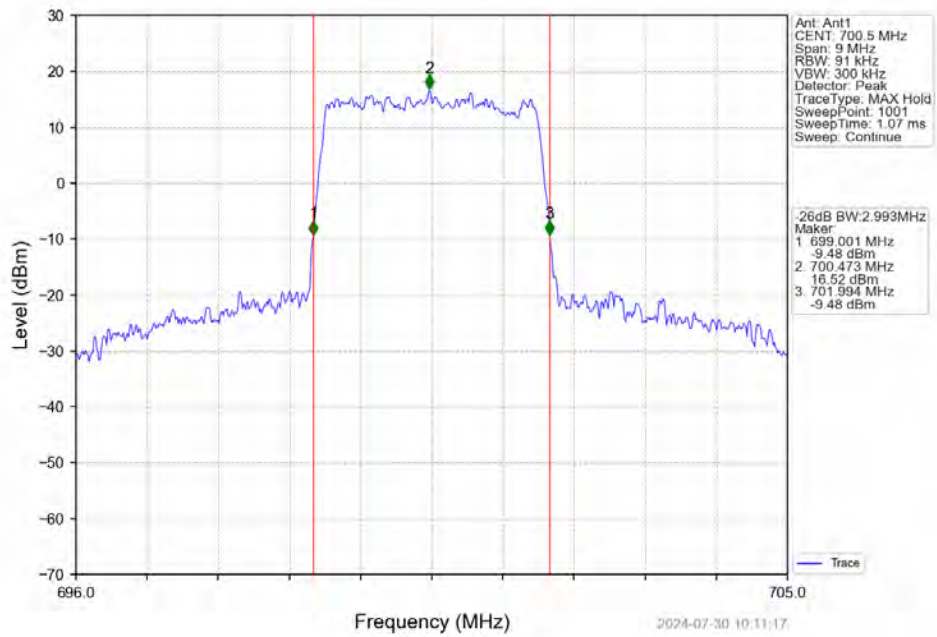
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTN



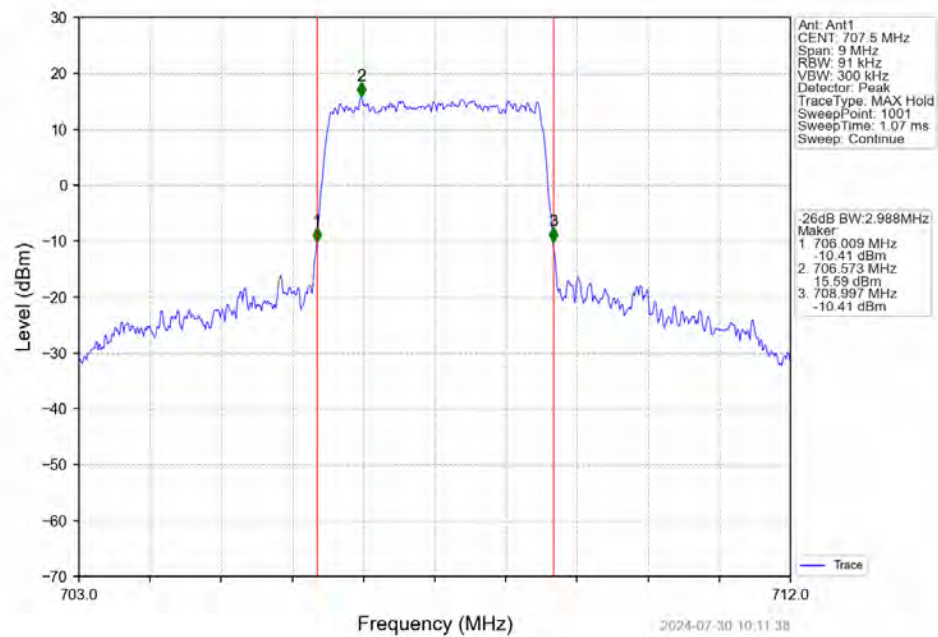
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



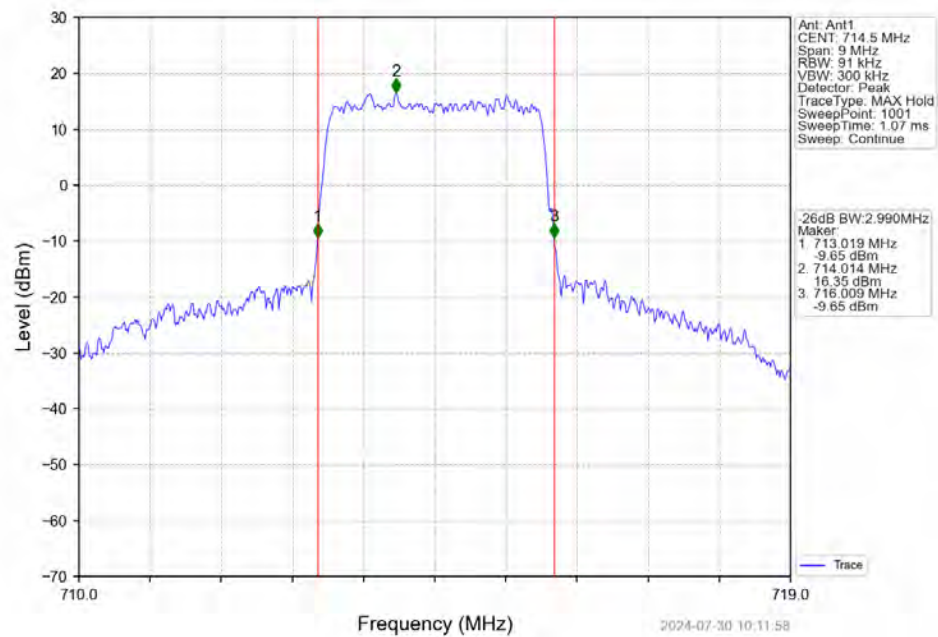
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



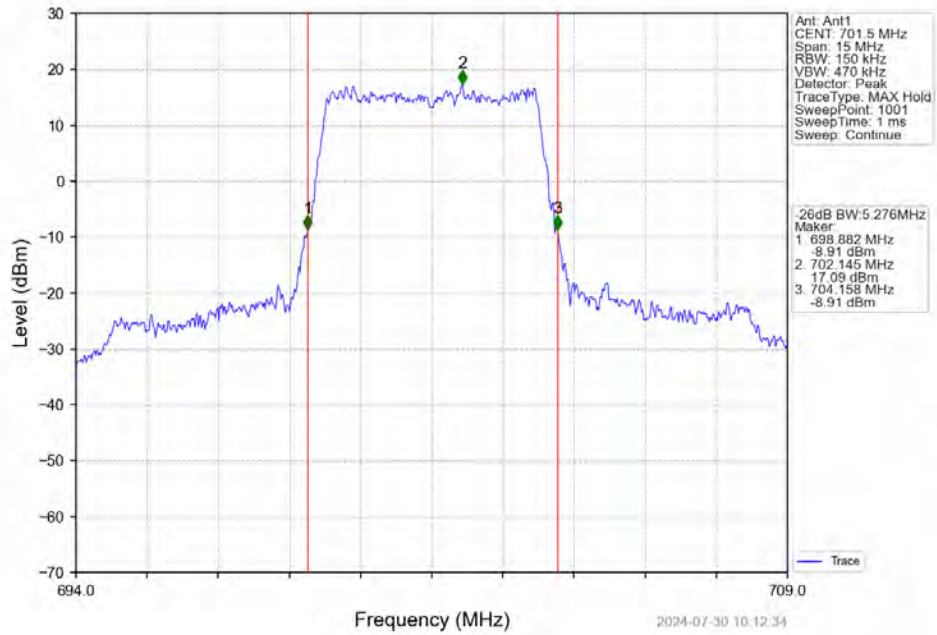
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



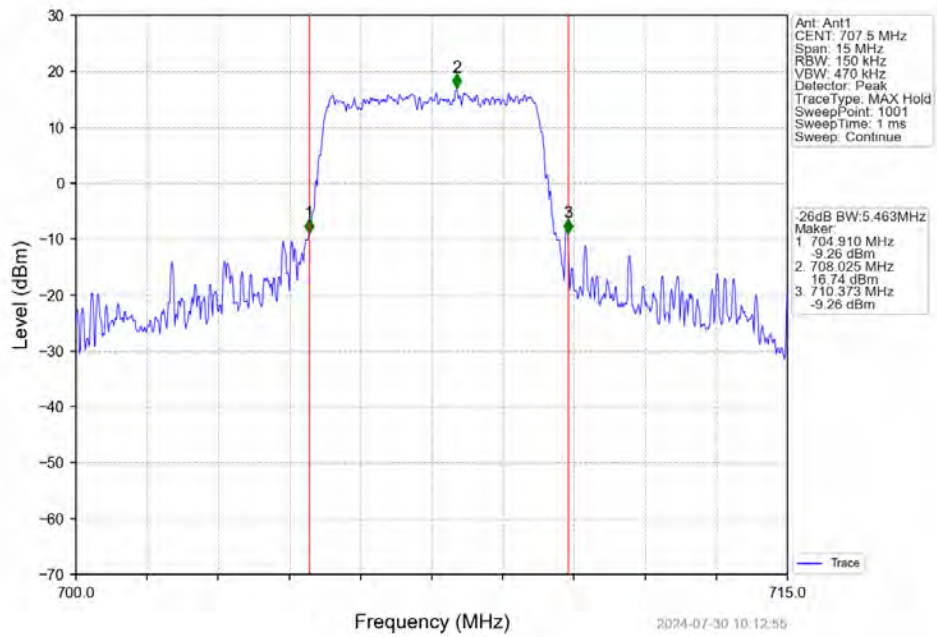
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



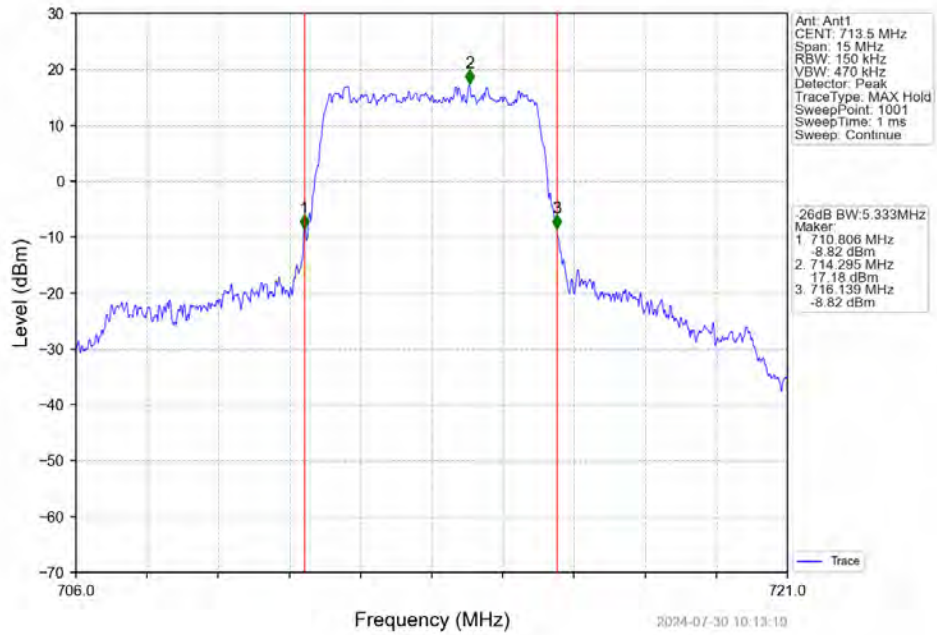
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



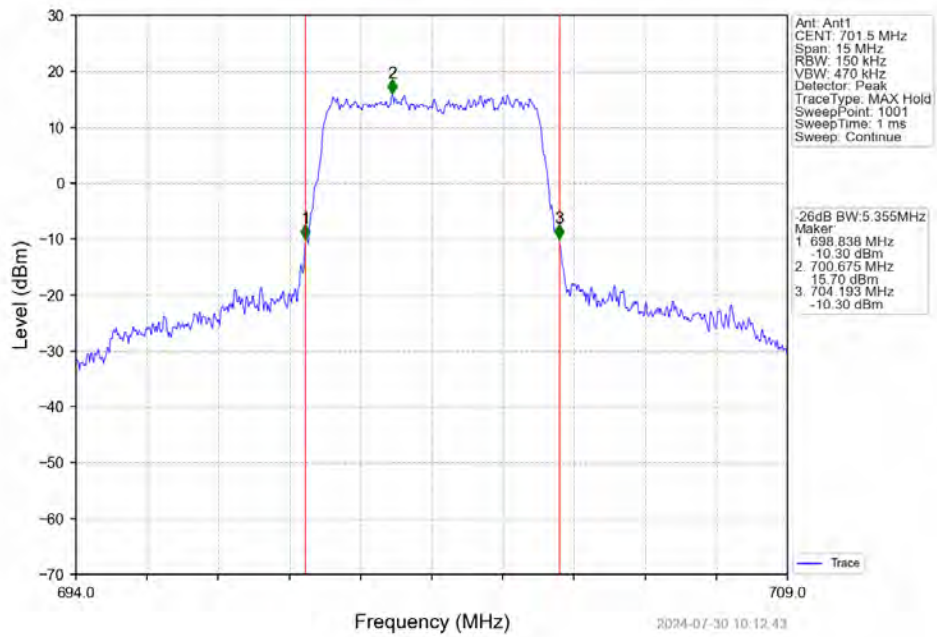
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



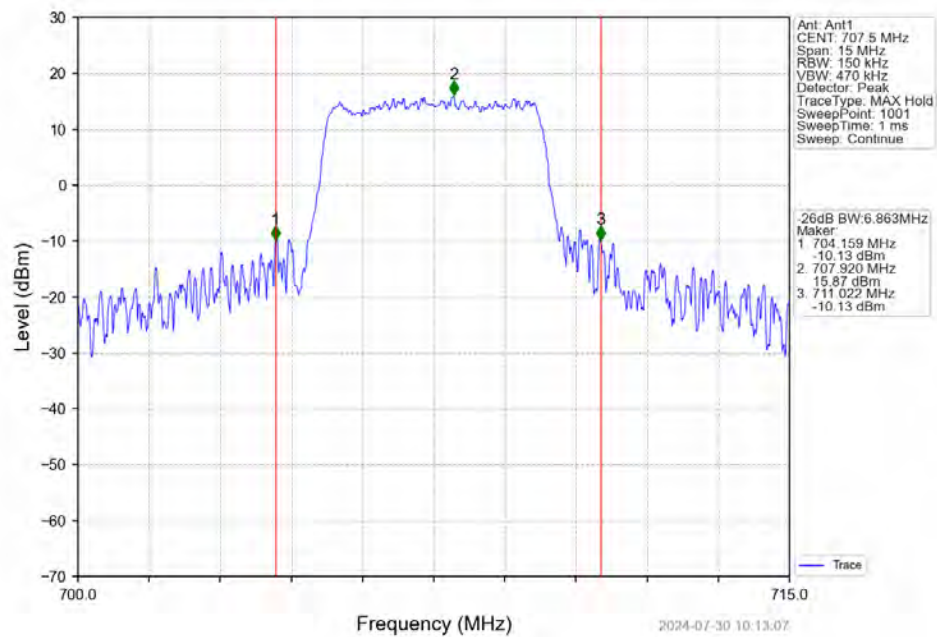
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTN



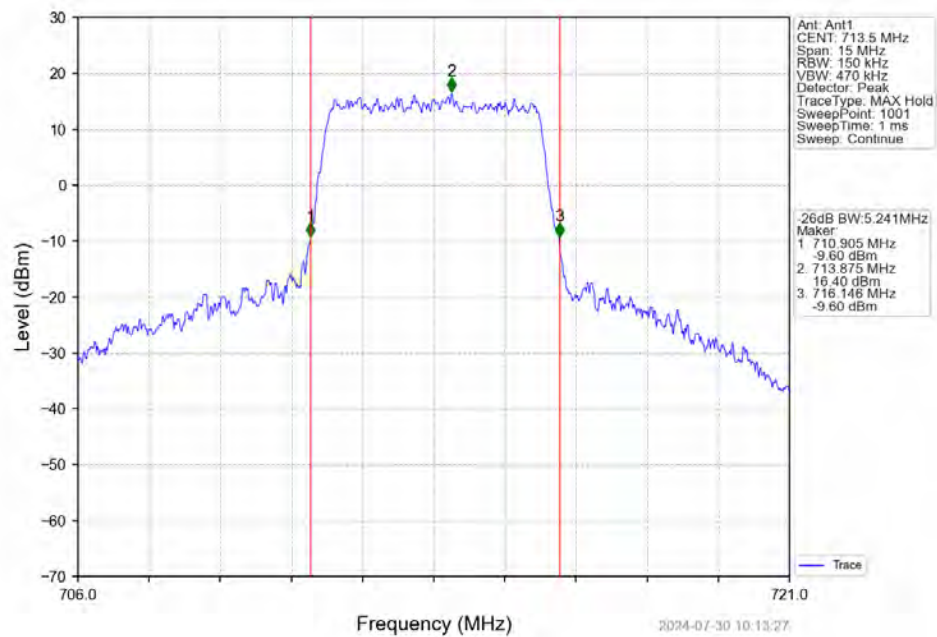
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTN



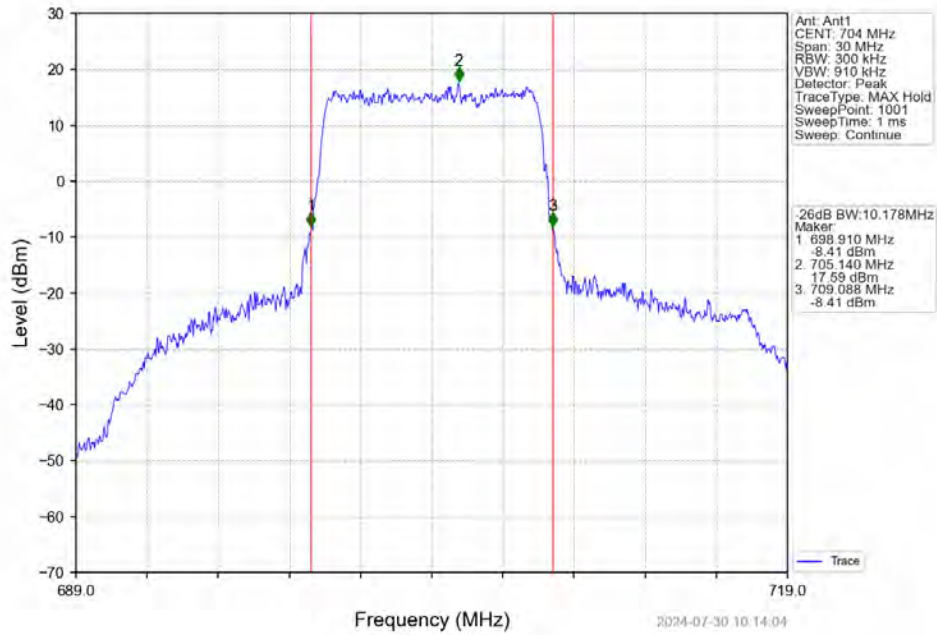
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



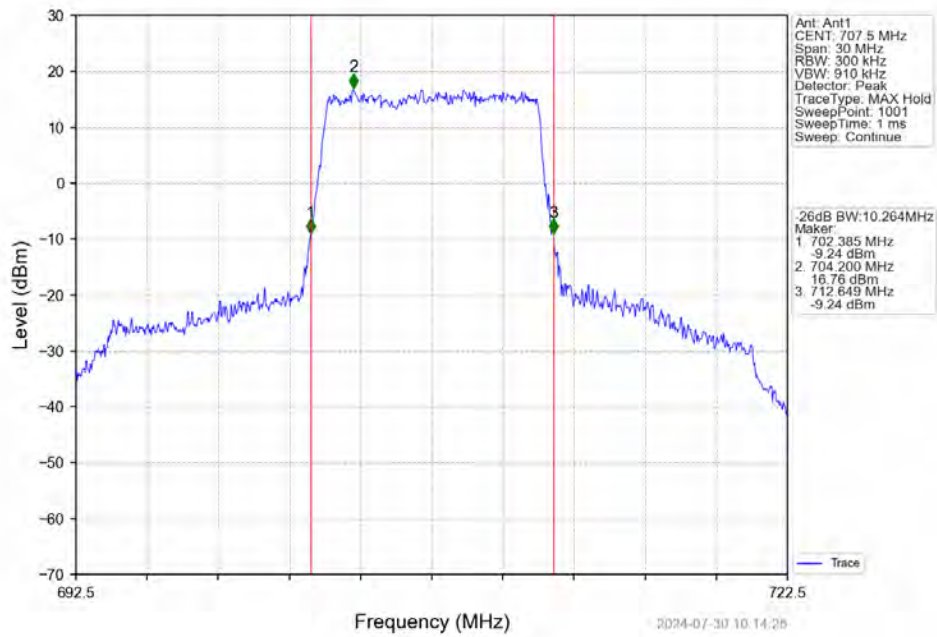
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



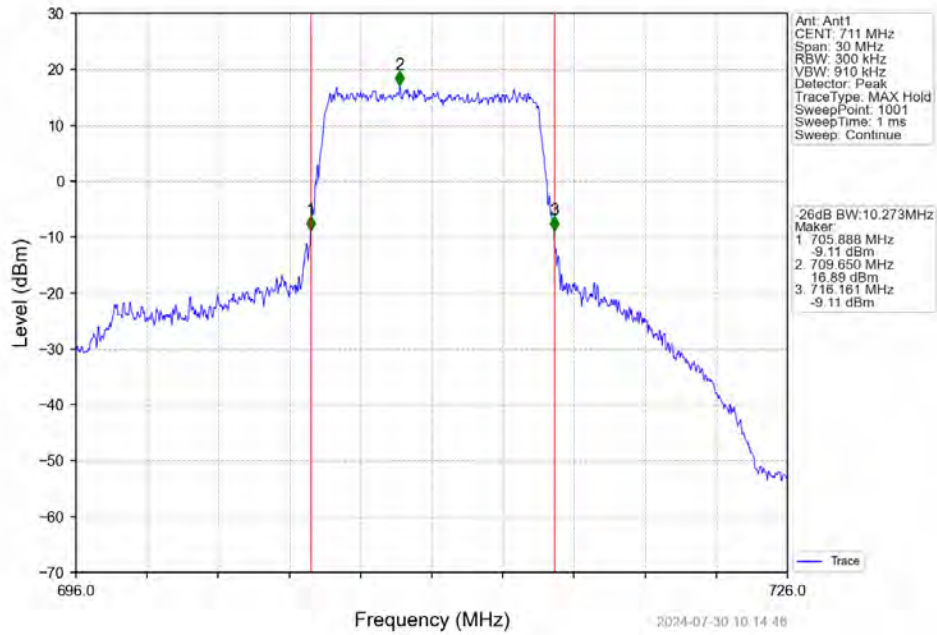
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



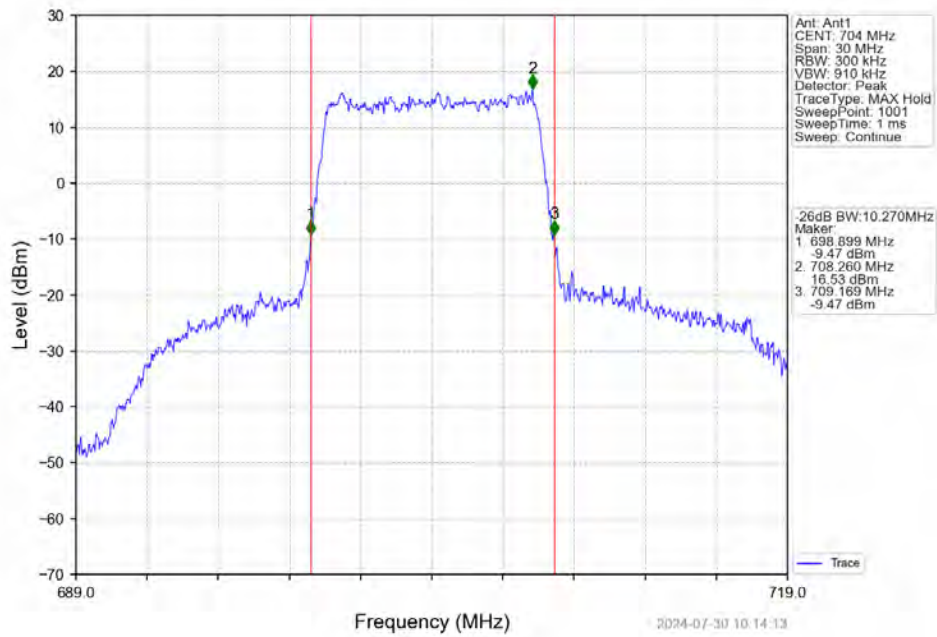
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



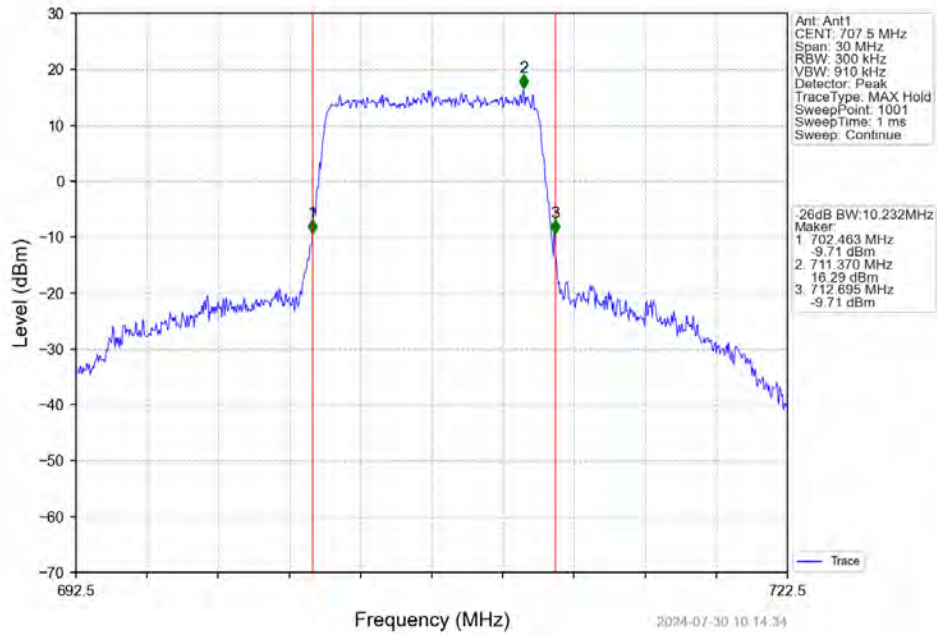
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTN



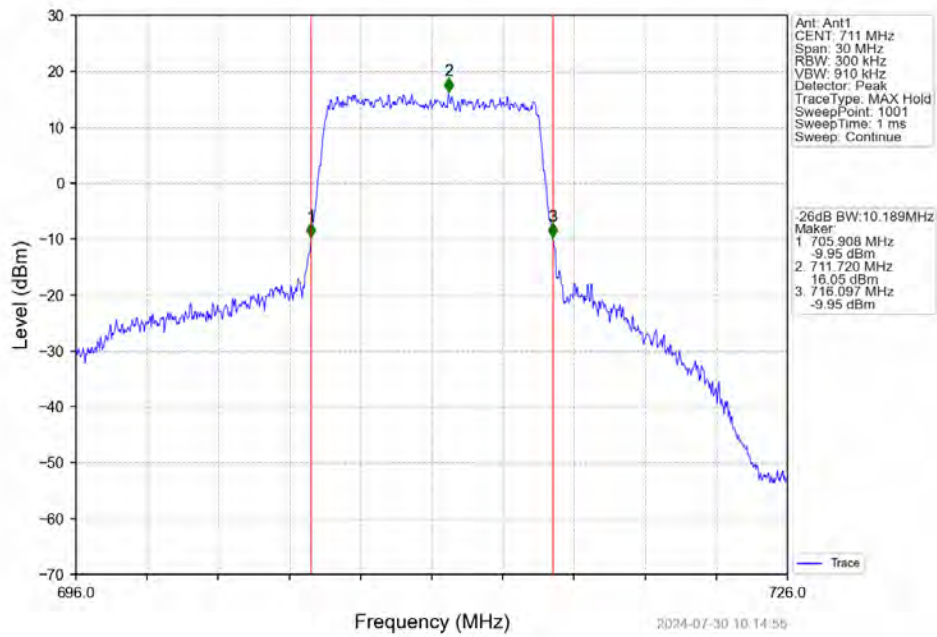
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTN



Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTN



Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTN



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	4.90	<=13	Pass
	707.5	6	0	5.02	<=13	Pass
	715.3	6	0	4.60	<=13	Pass
16QAM	699.7	6	0	5.78	<=13	Pass
	707.5	6	0	5.85	<=13	Pass
	715.3	6	0	5.47	<=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	5.16	<=13	Pass
	707.5	15	0	4.94	<=13	Pass
	714.5	15	0	4.78	<=13	Pass
16QAM	700.5	15	0	5.96	<=13	Pass
	707.5	15	0	5.85	<=13	Pass
	714.5	15	0	5.84	<=13	Pass

5.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.39	<=13	Pass
	707.5	25	0	5.38	<=13	Pass
	713.5	25	0	5.31	<=13	Pass
16QAM	701.5	25	0	6.26	<=13	Pass
	707.5	25	0	6.18	<=13	Pass
	713.5	25	0	6.07	<=13	Pass

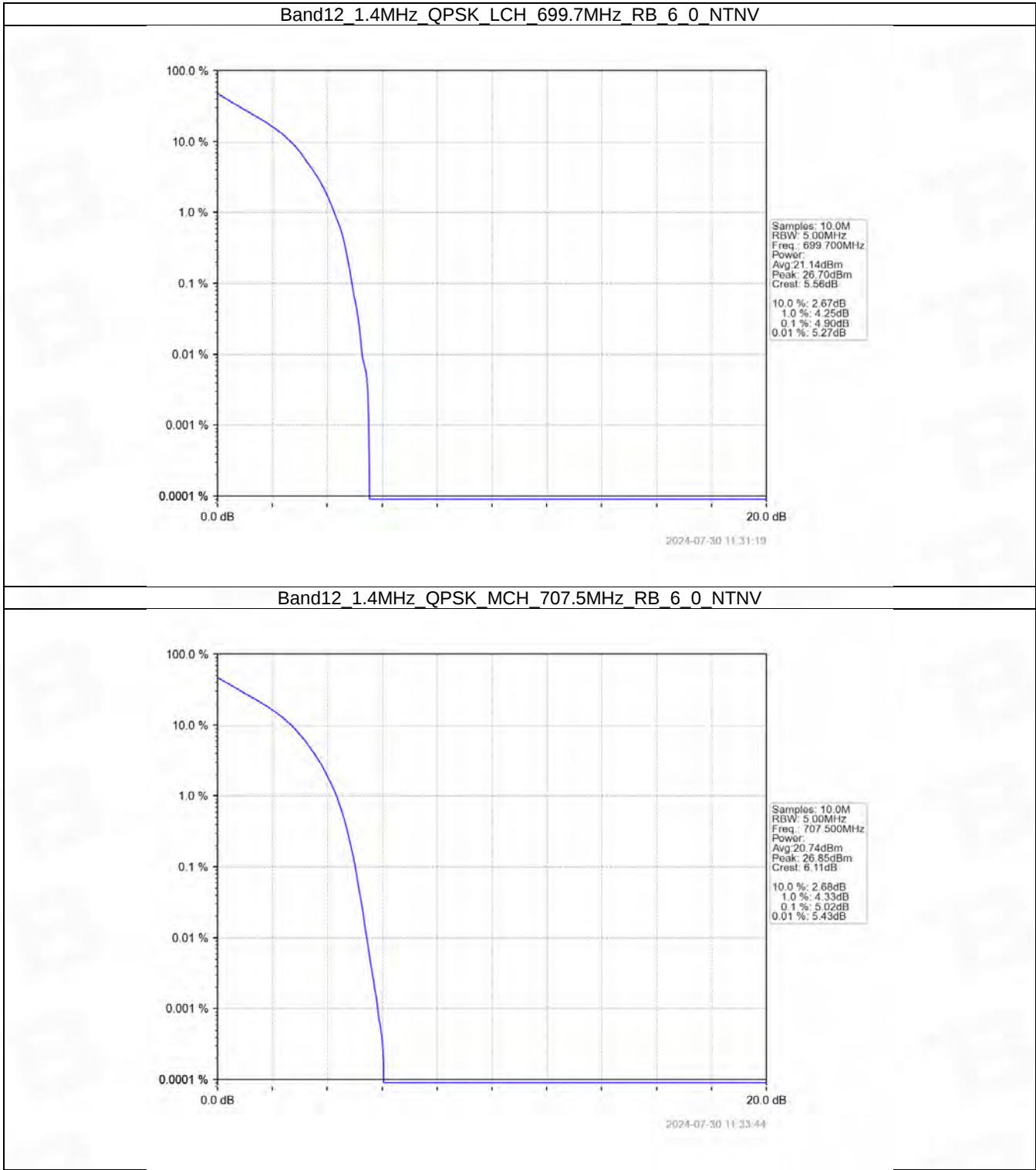
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.31	<=13	Pass
	707.5	50	0	5.29	<=13	Pass
	711	50	0	5.21	<=13	Pass
16QAM	704	50	0	6.11	<=13	Pass
	707.5	50	0	6.12	<=13	Pass

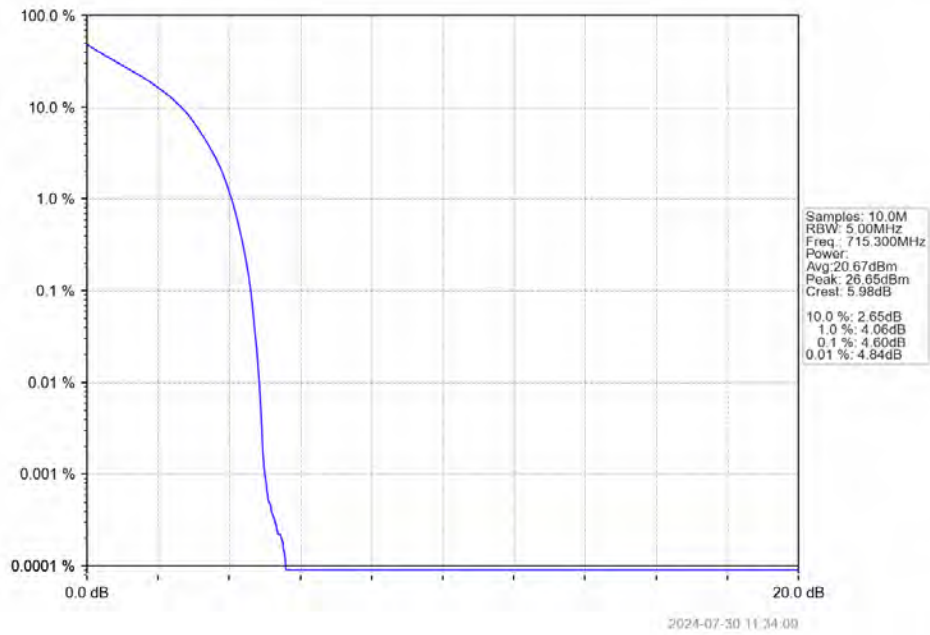
	711	50	0	6.05	<=13	Pass
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5.2 Test Graph

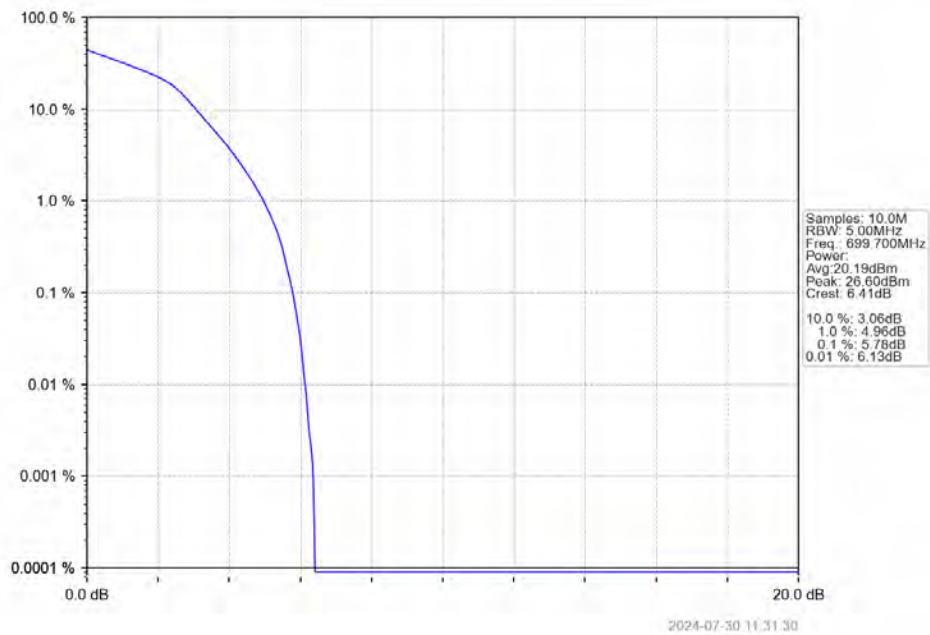
5.2.1 B12_1.4MHz



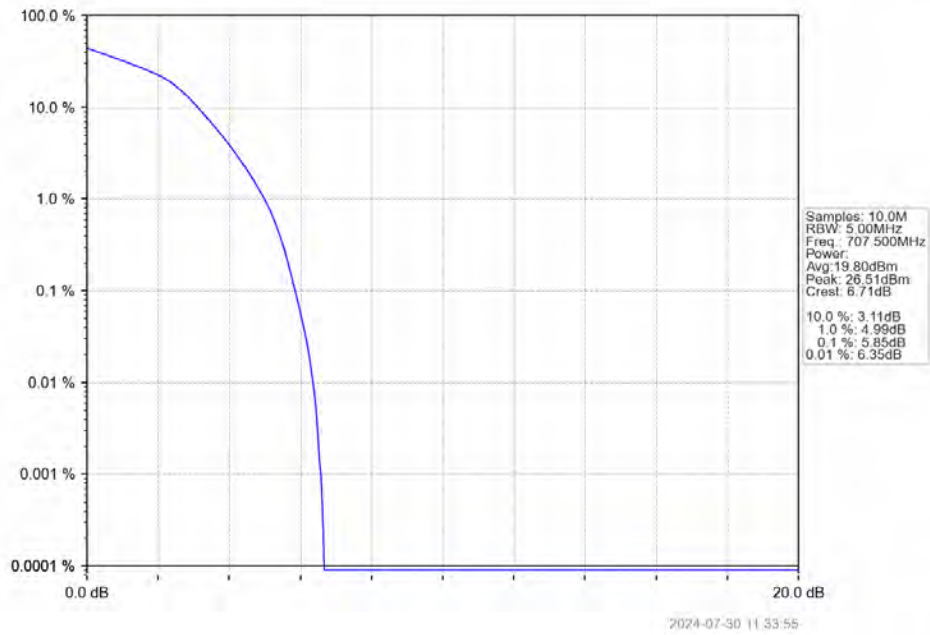
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



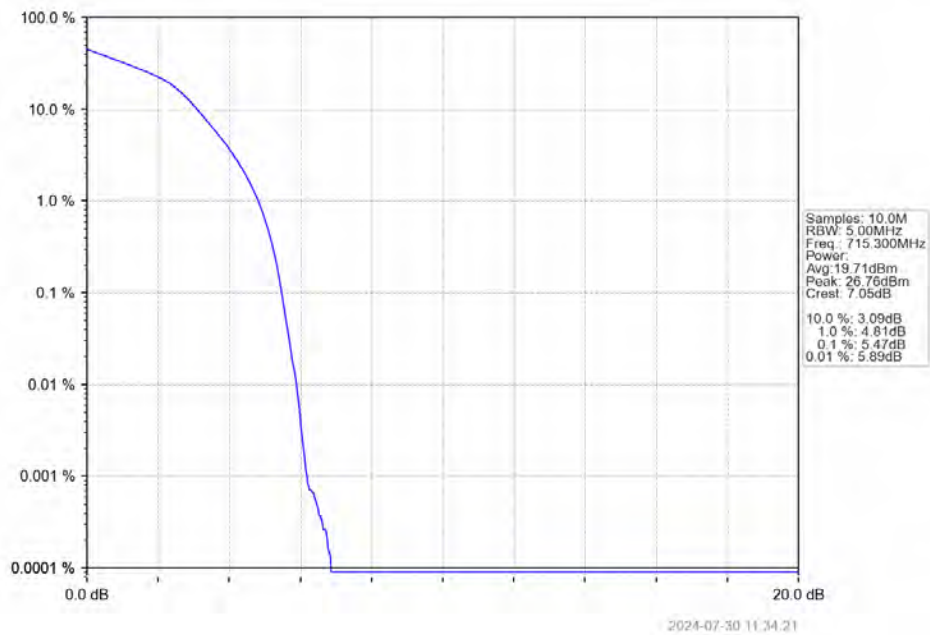
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



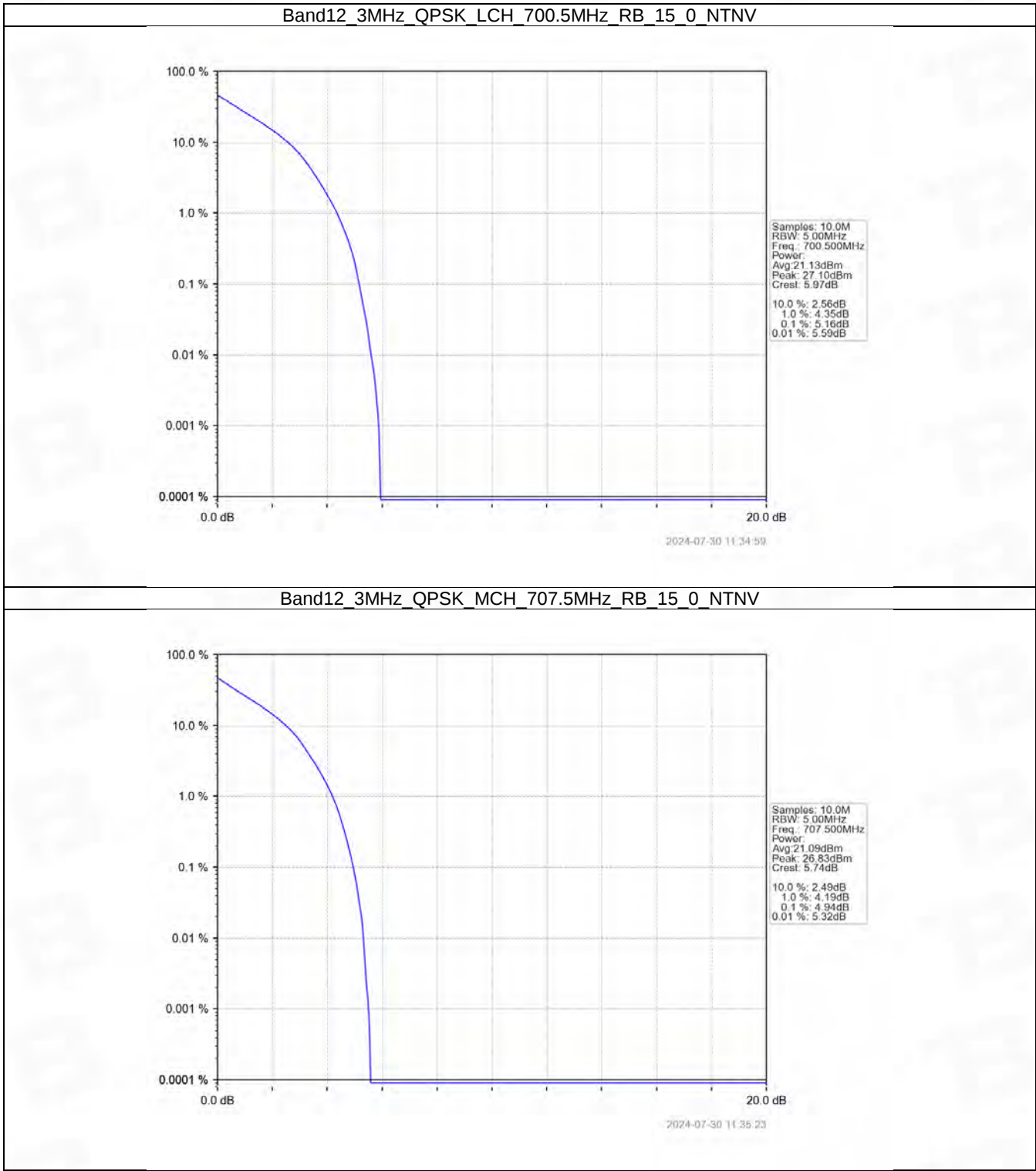
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



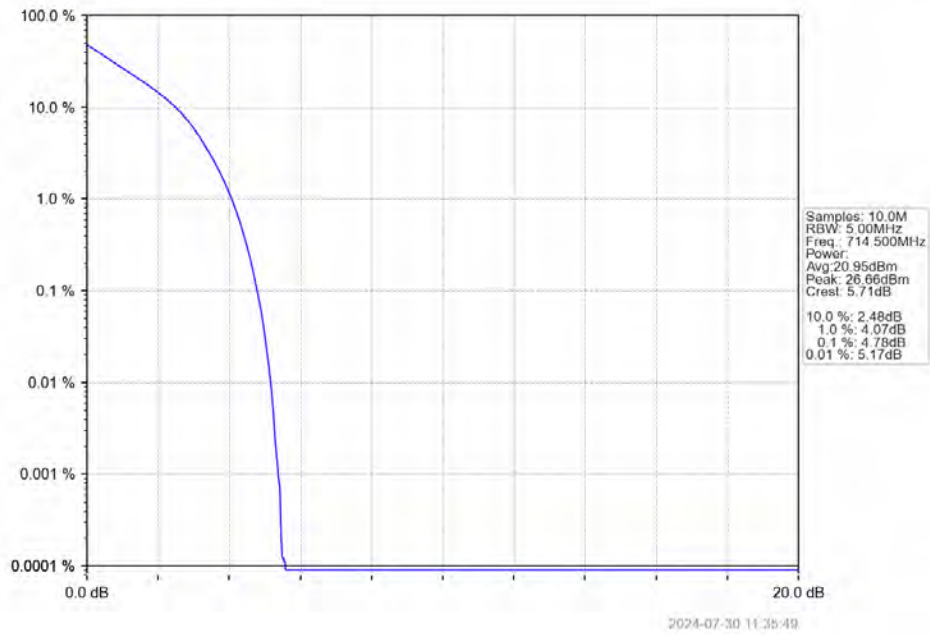
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



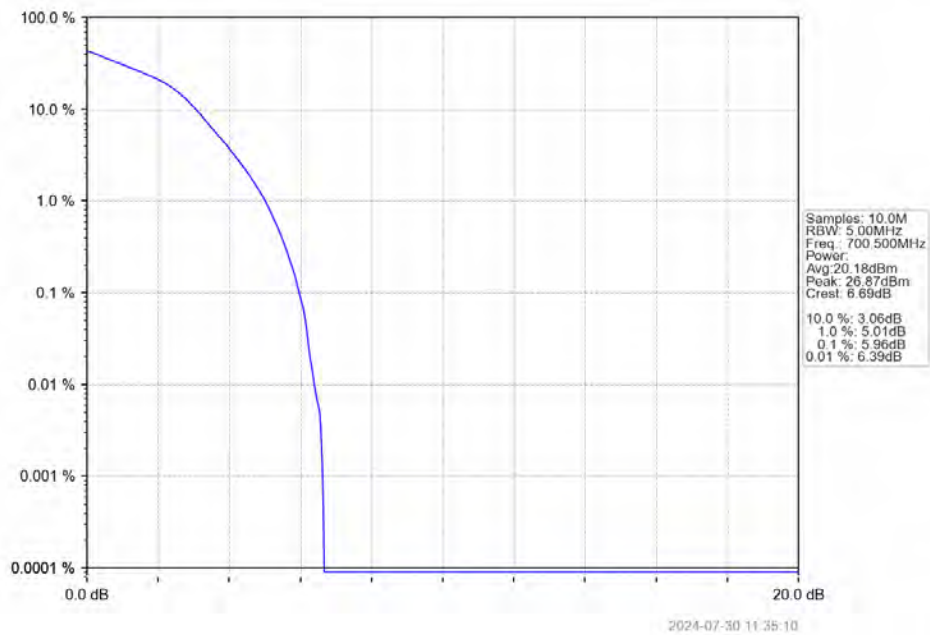
5.2.2 B12_3MHz



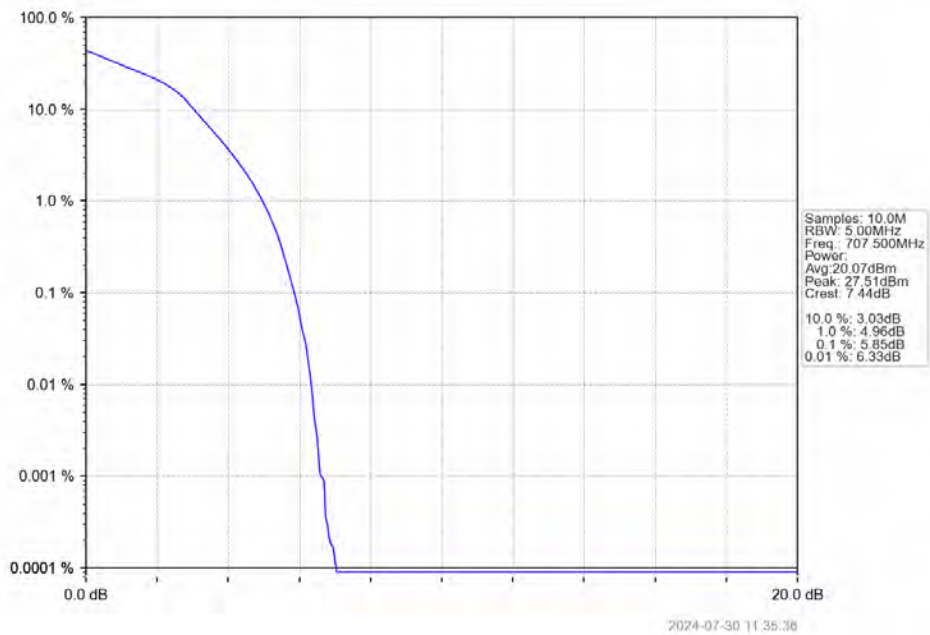
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



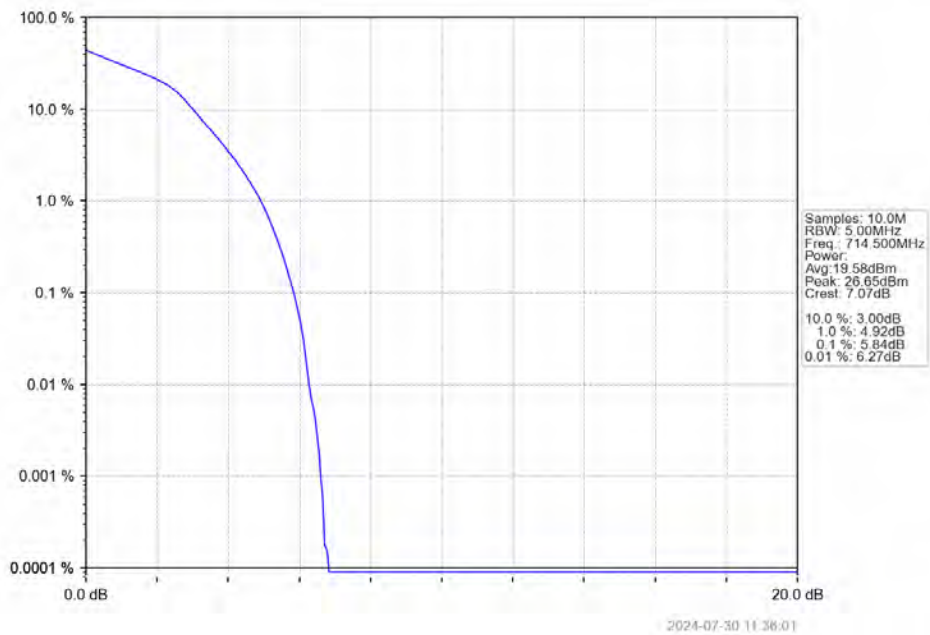
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



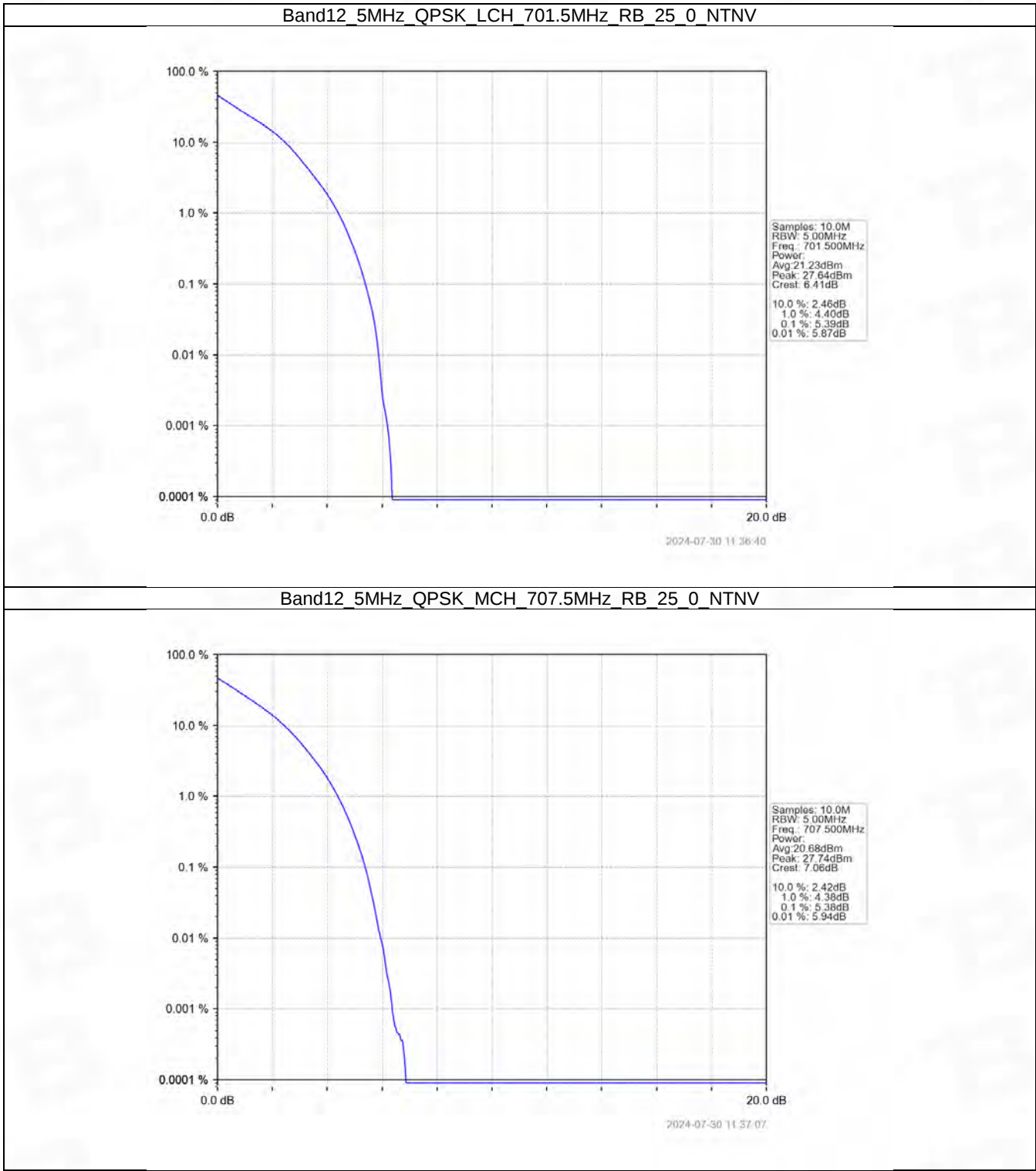
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



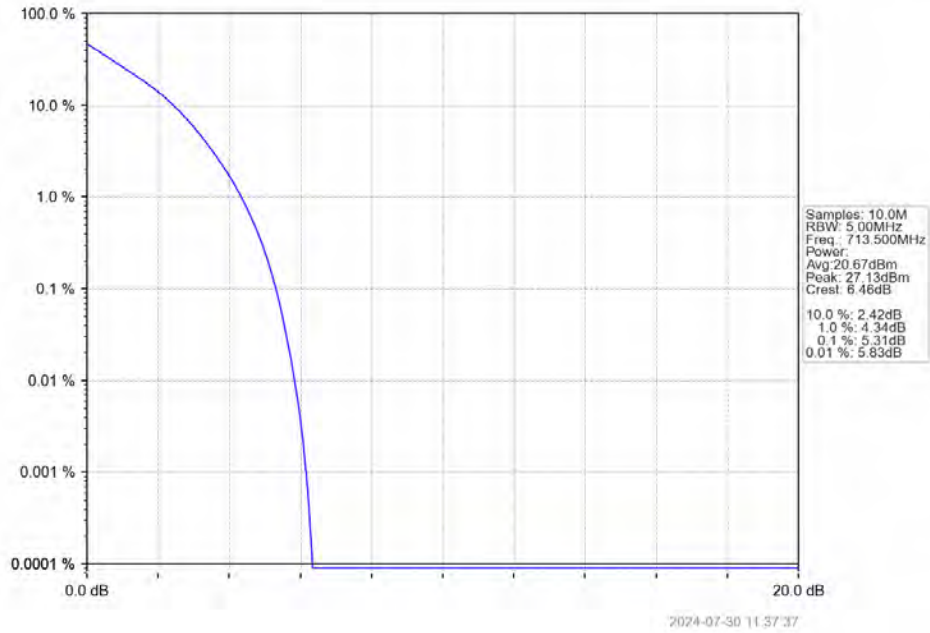
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



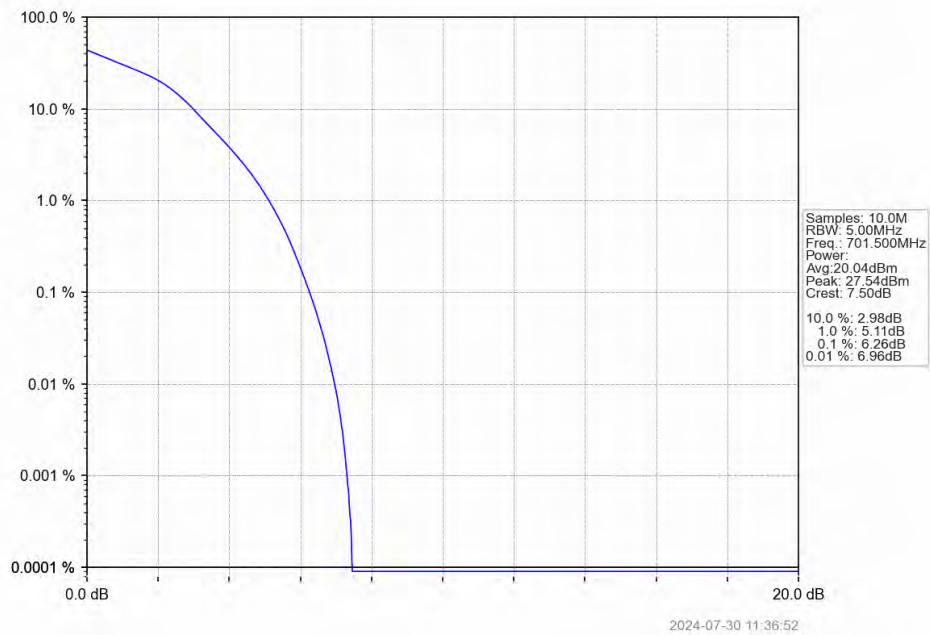
5.2.3 B12_5MHz



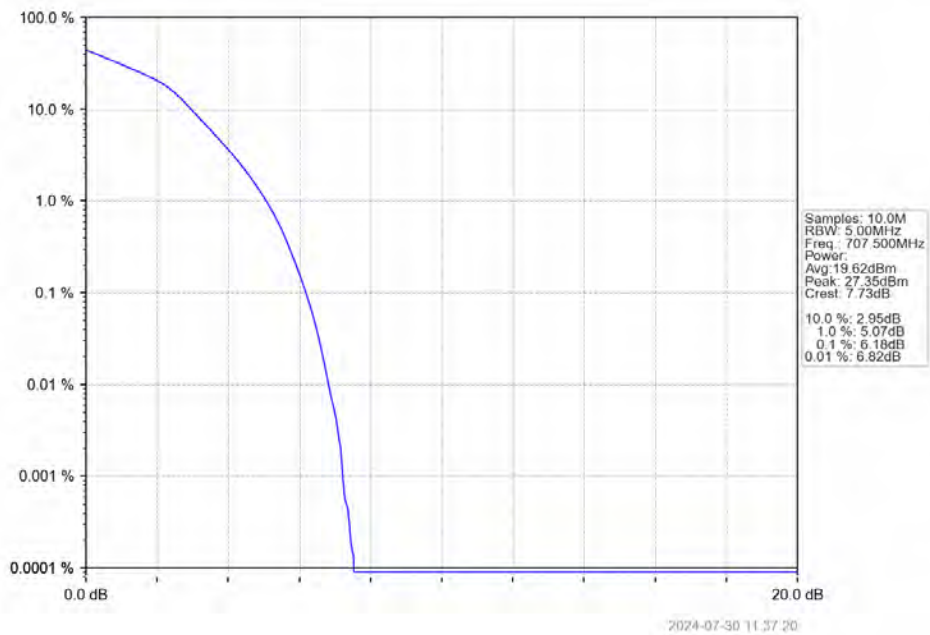
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



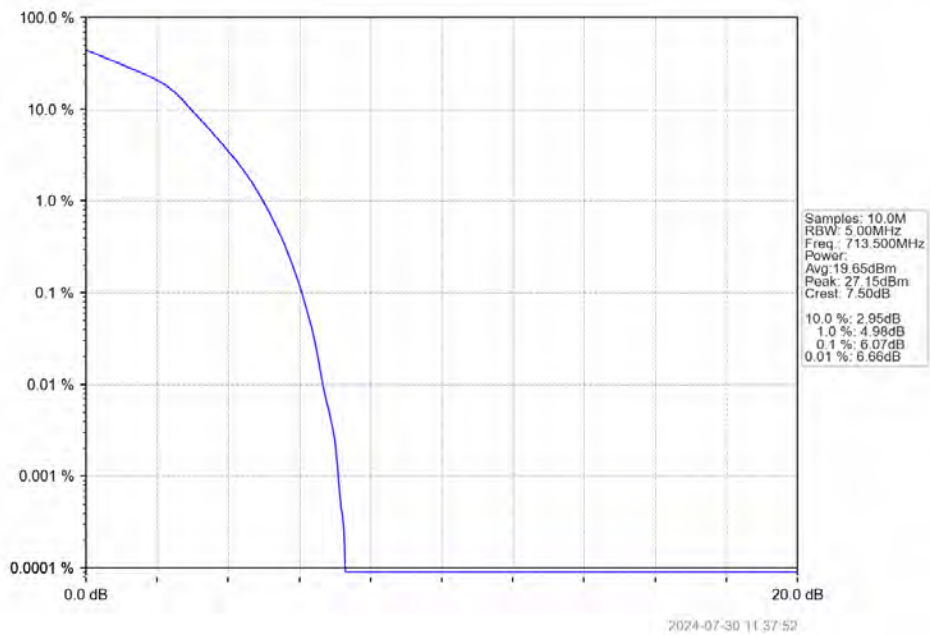
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



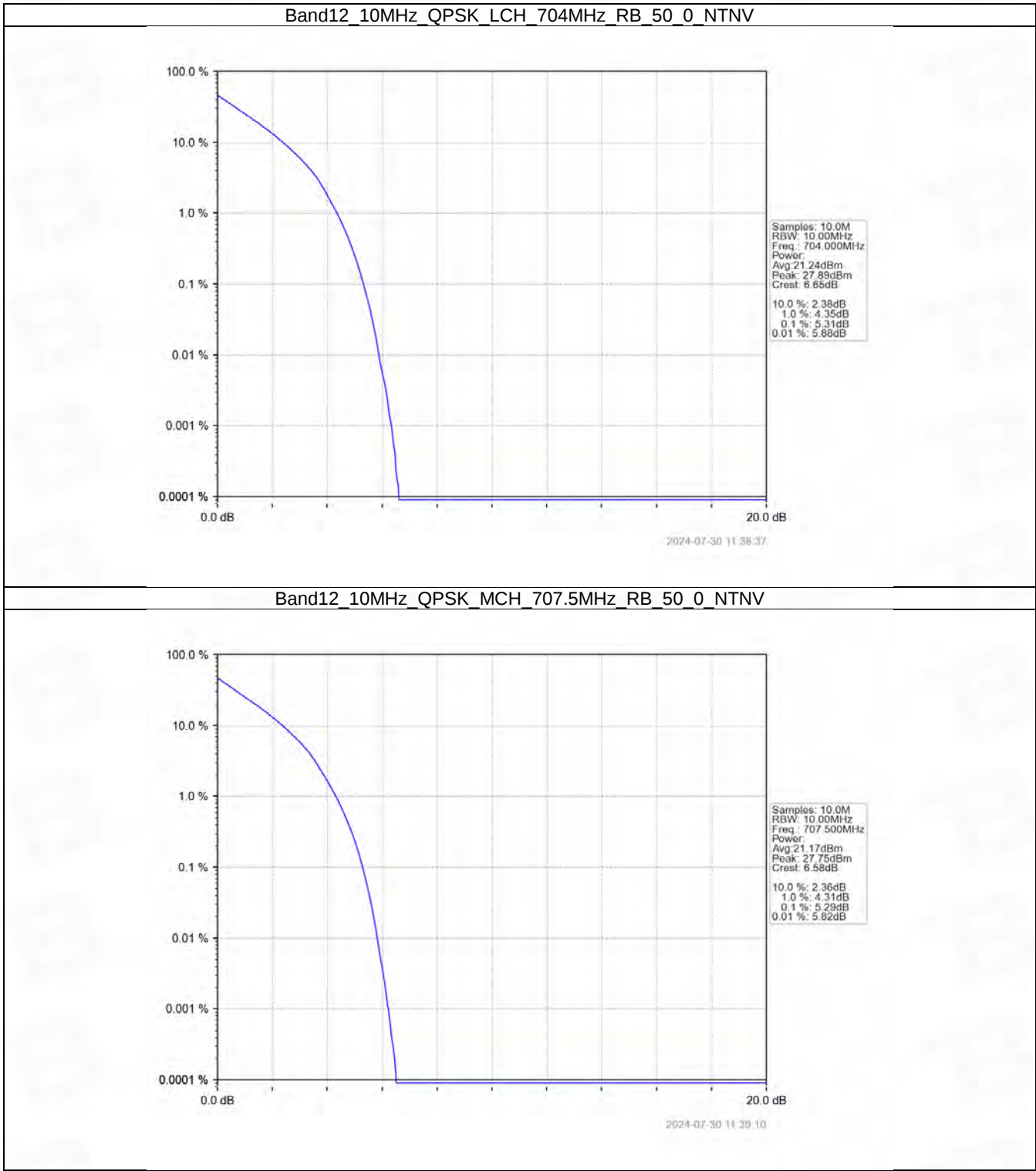
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



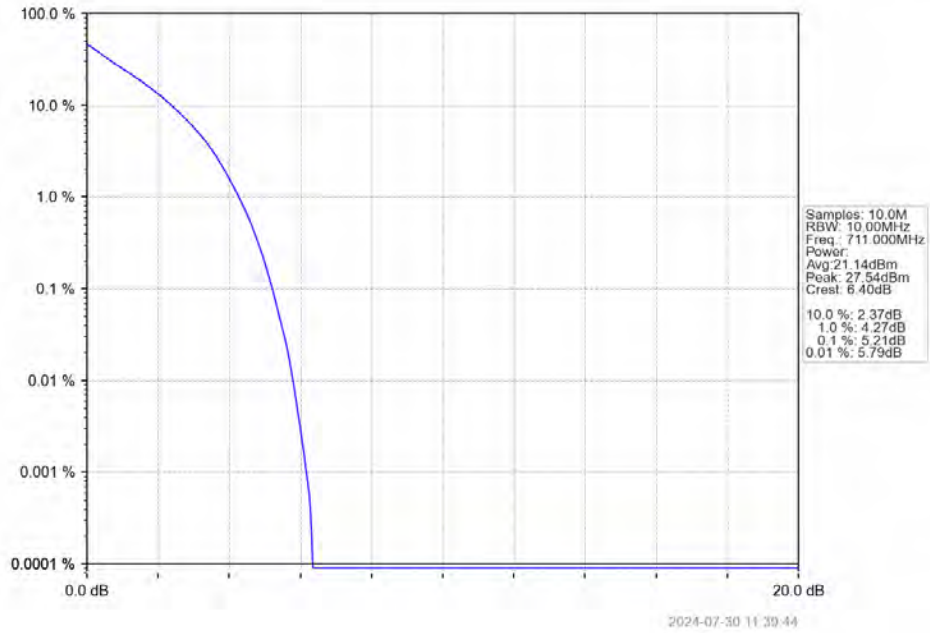
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



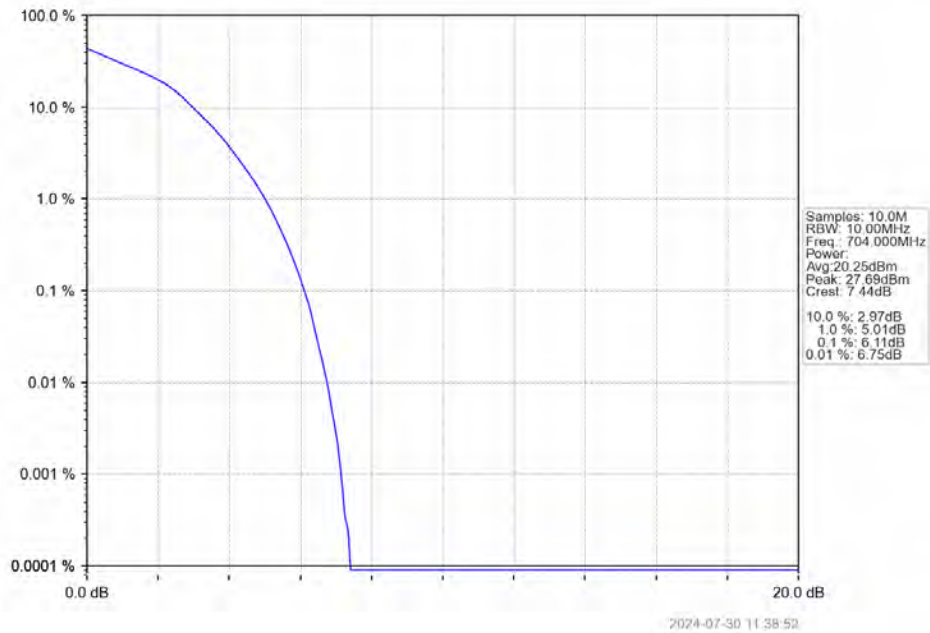
5.2.4 B12_10MHz



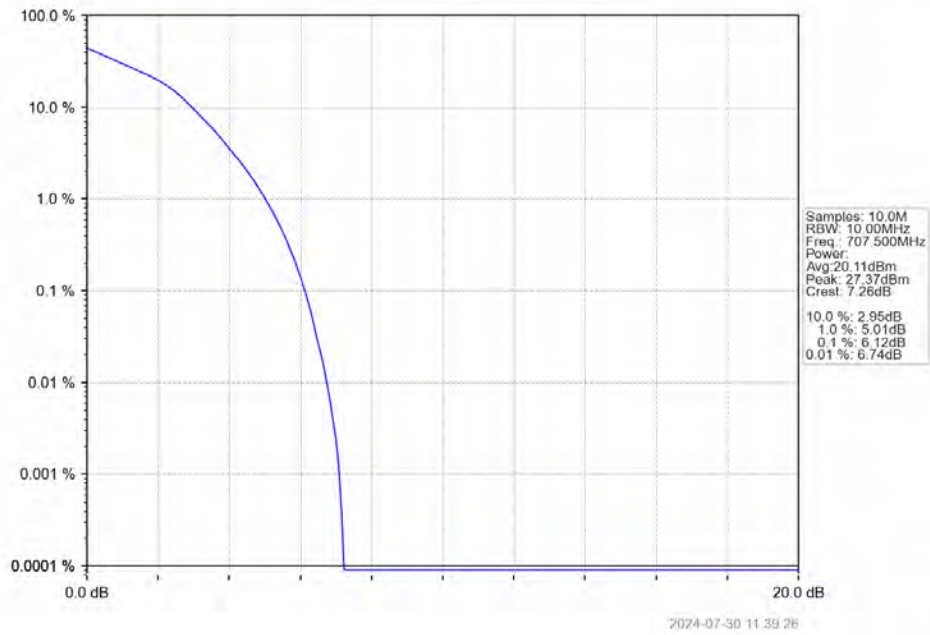
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTNV



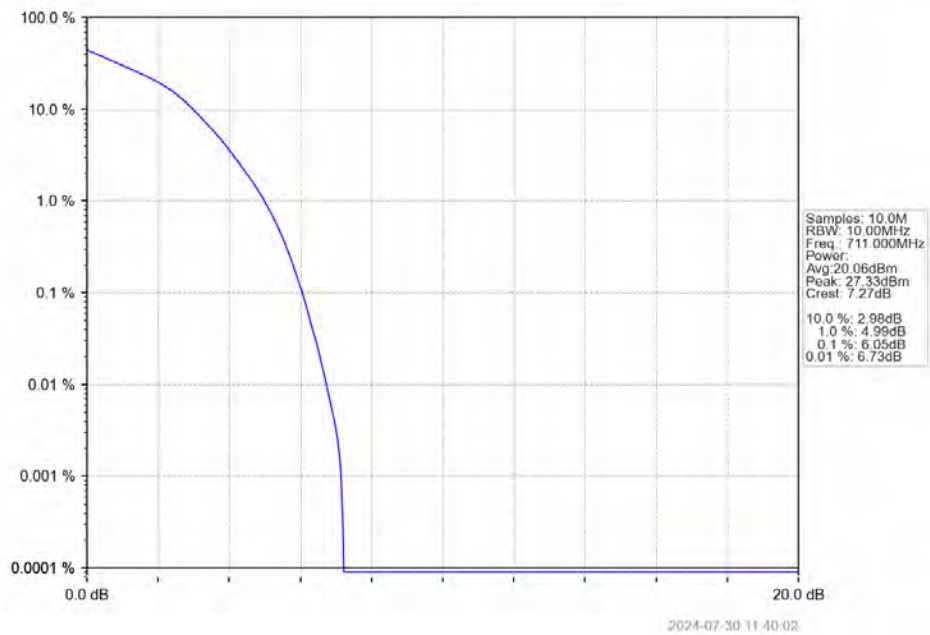
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



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
	715.3	1	0	Refer To Test Graph		Pass
		1	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
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B12_3MHz

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

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
	713.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass

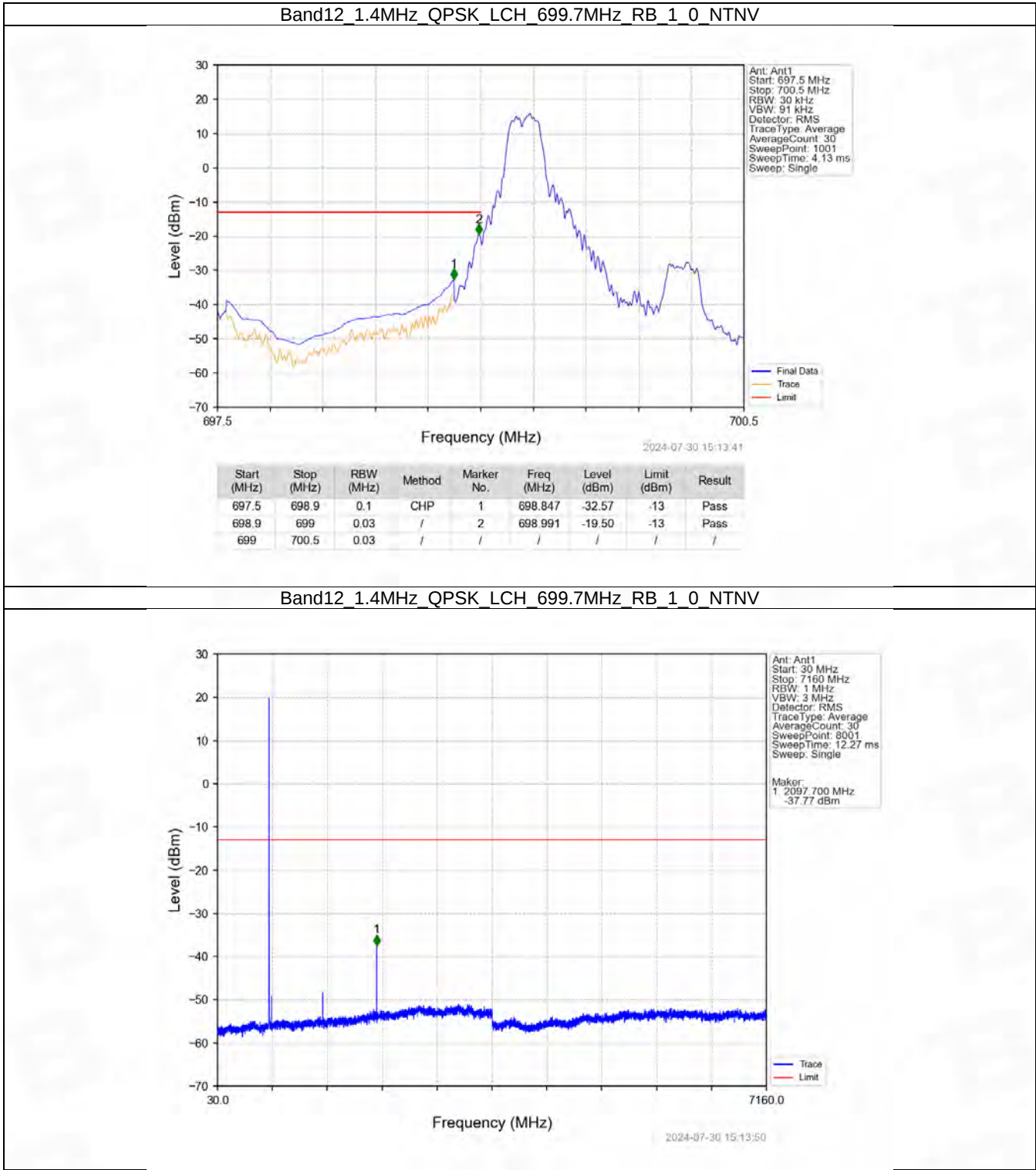
		25	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

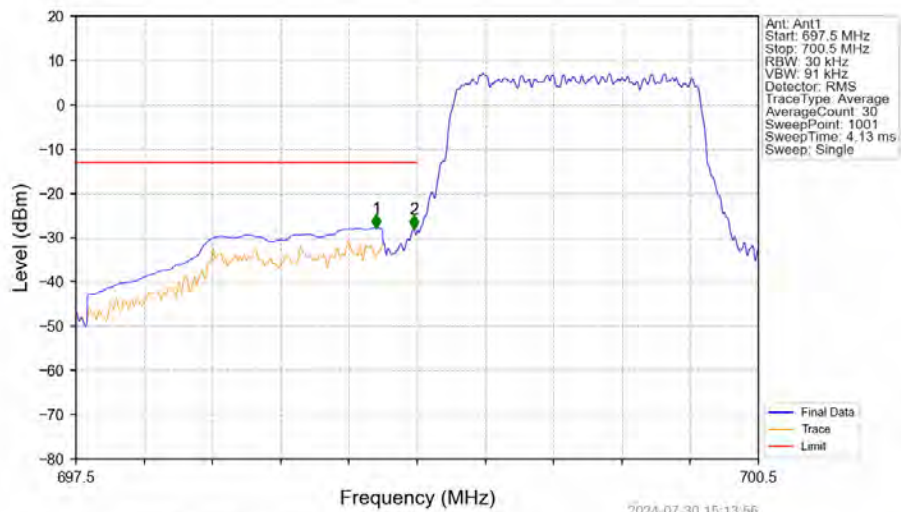
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
	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

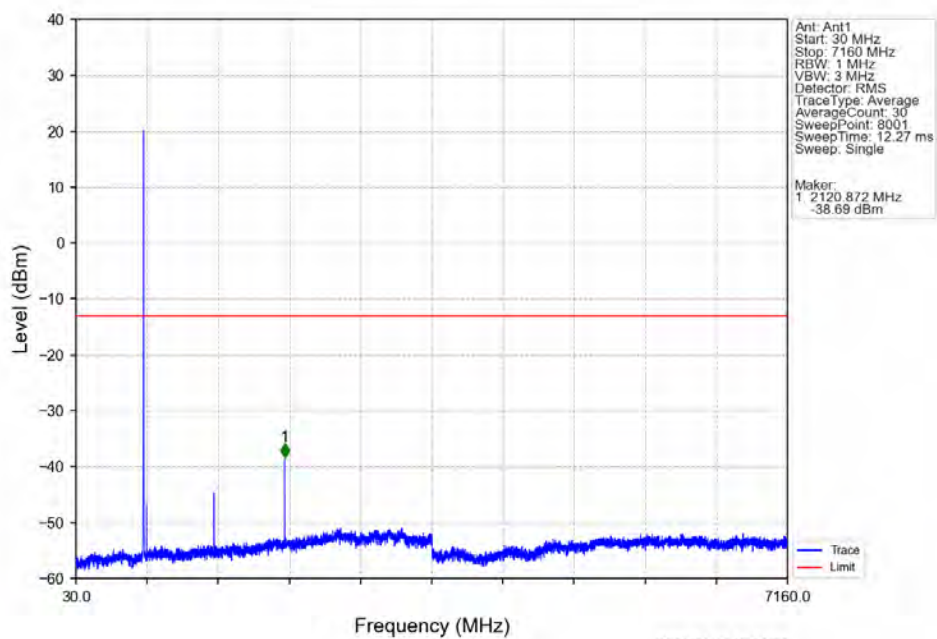


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV

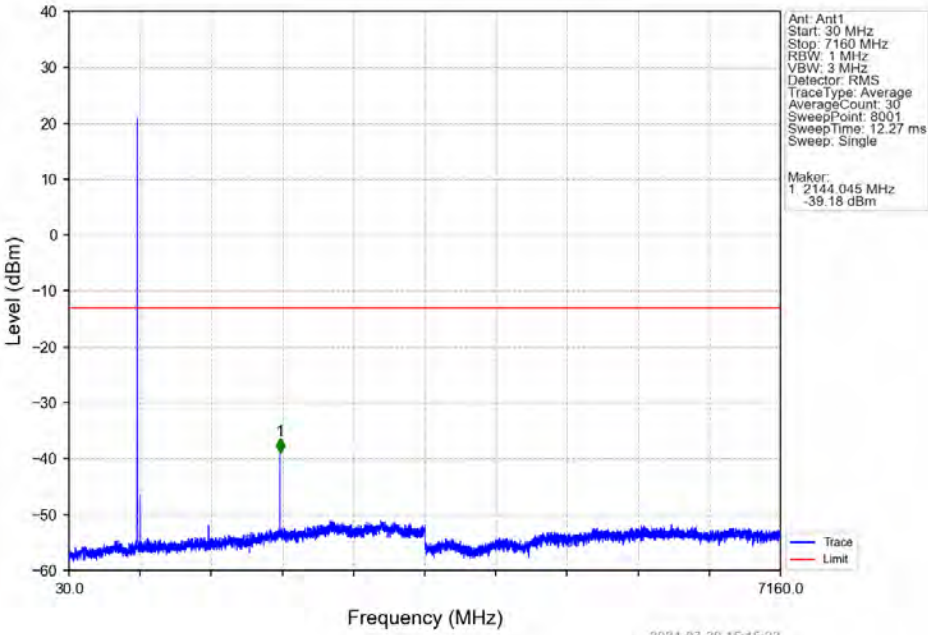


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.820	-27.77	-13	Pass
698.9	699	0.03	/	2	698.985	-28.01	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

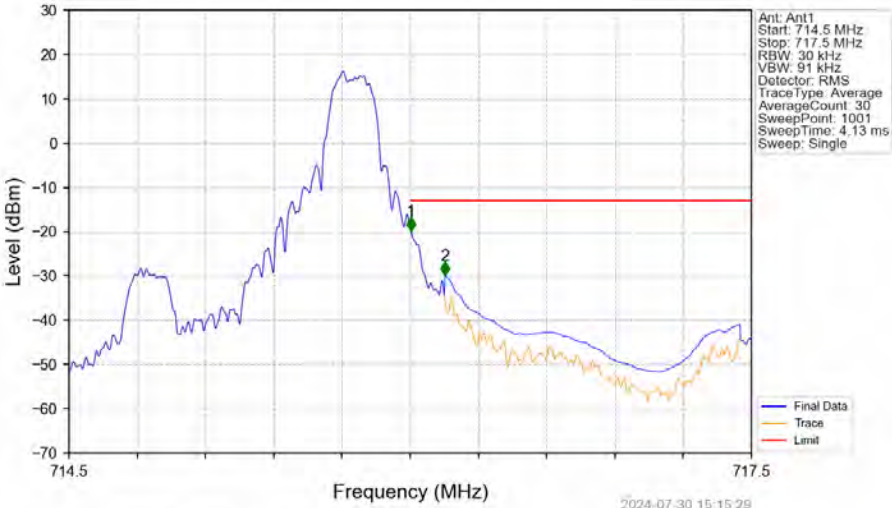
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTNV

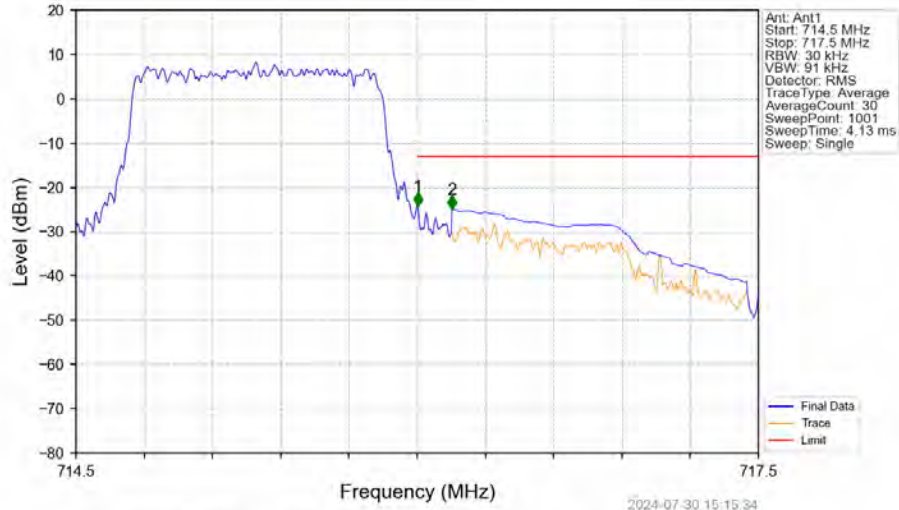


Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTNV



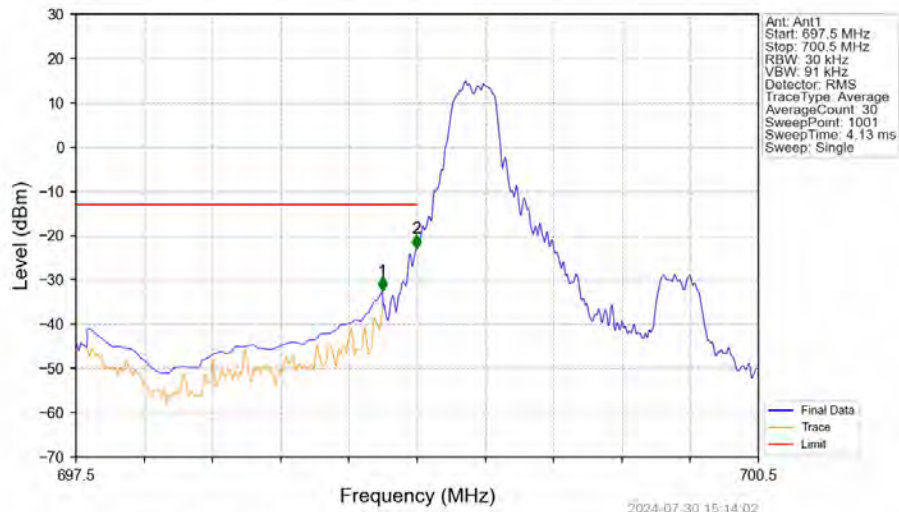
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.003	-19.82	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-29.85	-13	Pass

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



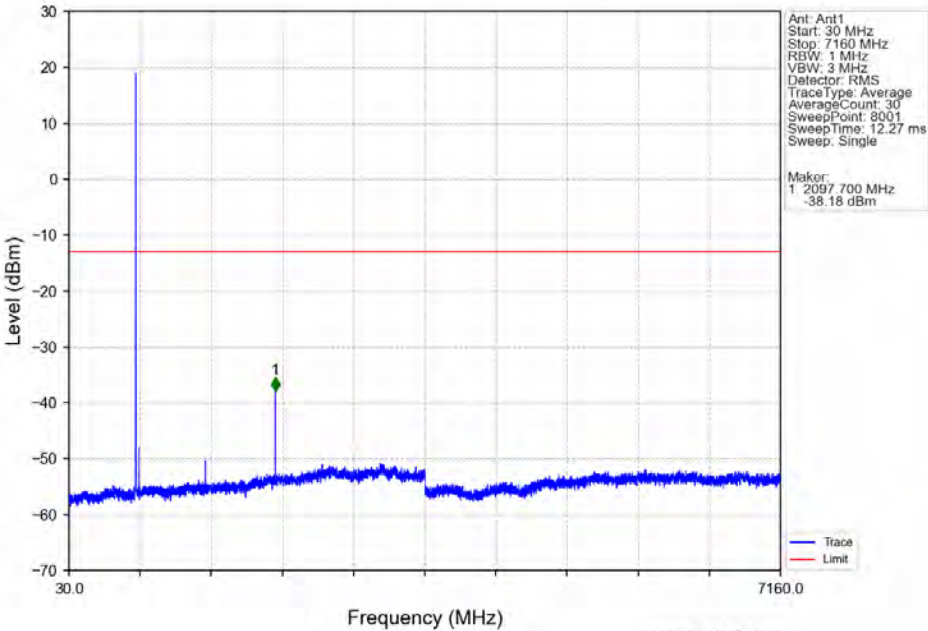
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.003	-24.24	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-24.95	-13	Pass

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

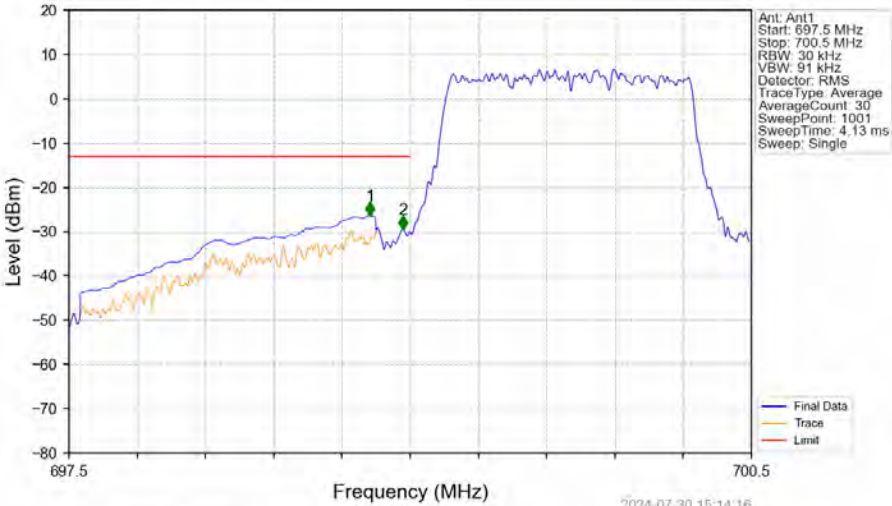


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-32.47	-13	Pass
698.9	699	0.03	/	2	698.997	-22.86	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

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

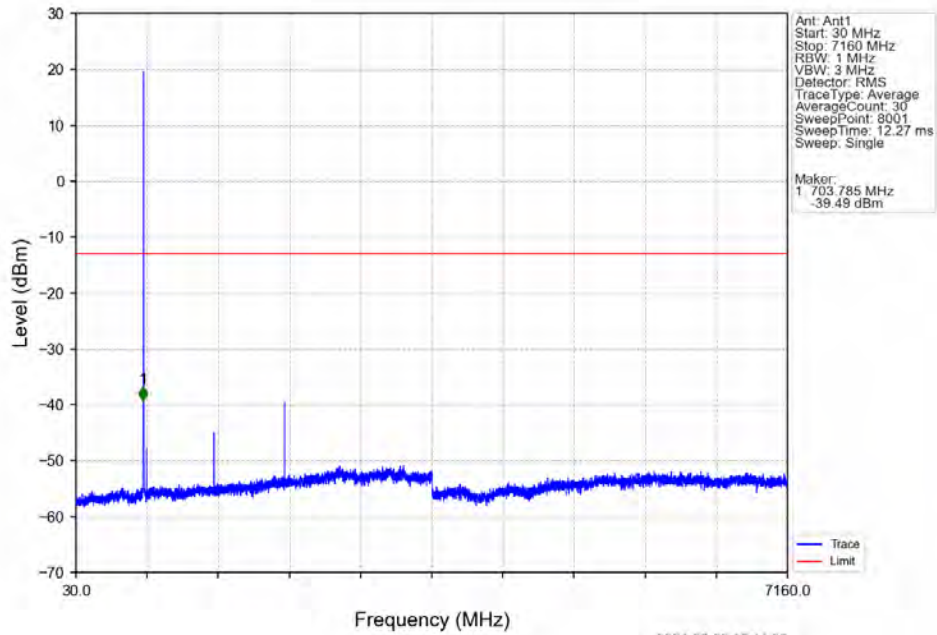


Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV

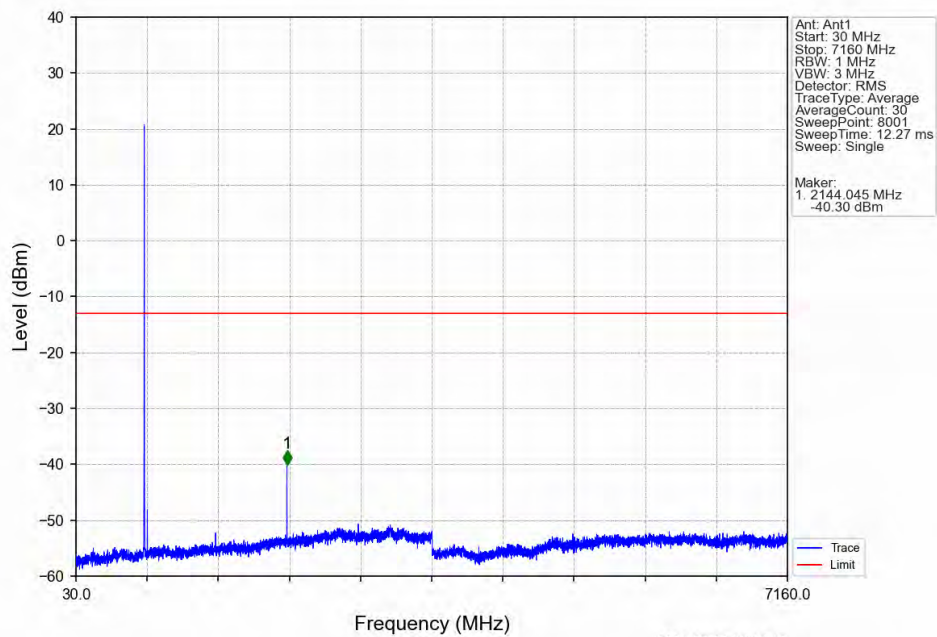


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.823	-26.36	-13	Pass
698.9	699	0.03	/	2	698.967	-29.42	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

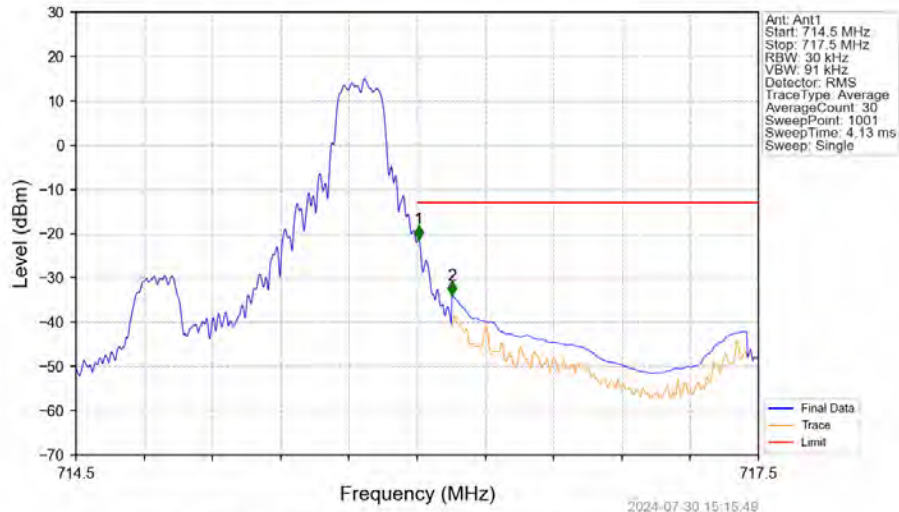
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV

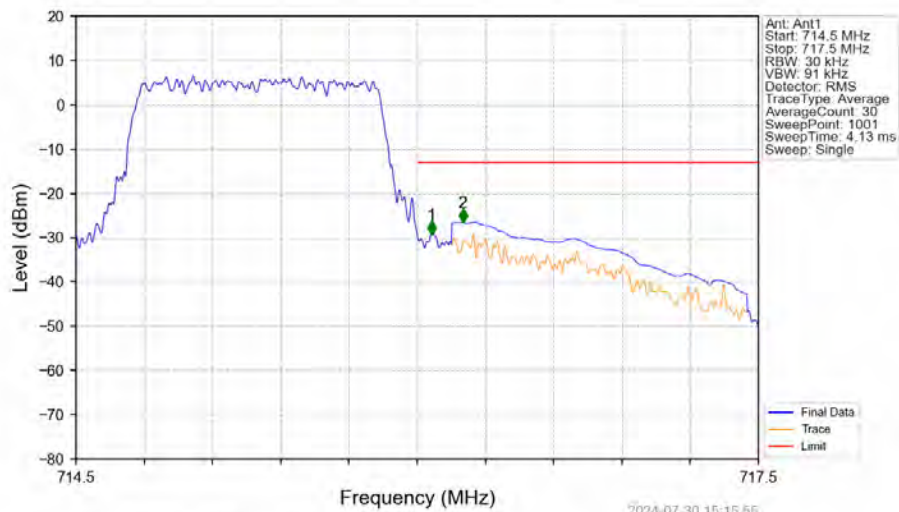


Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 5 NTNV



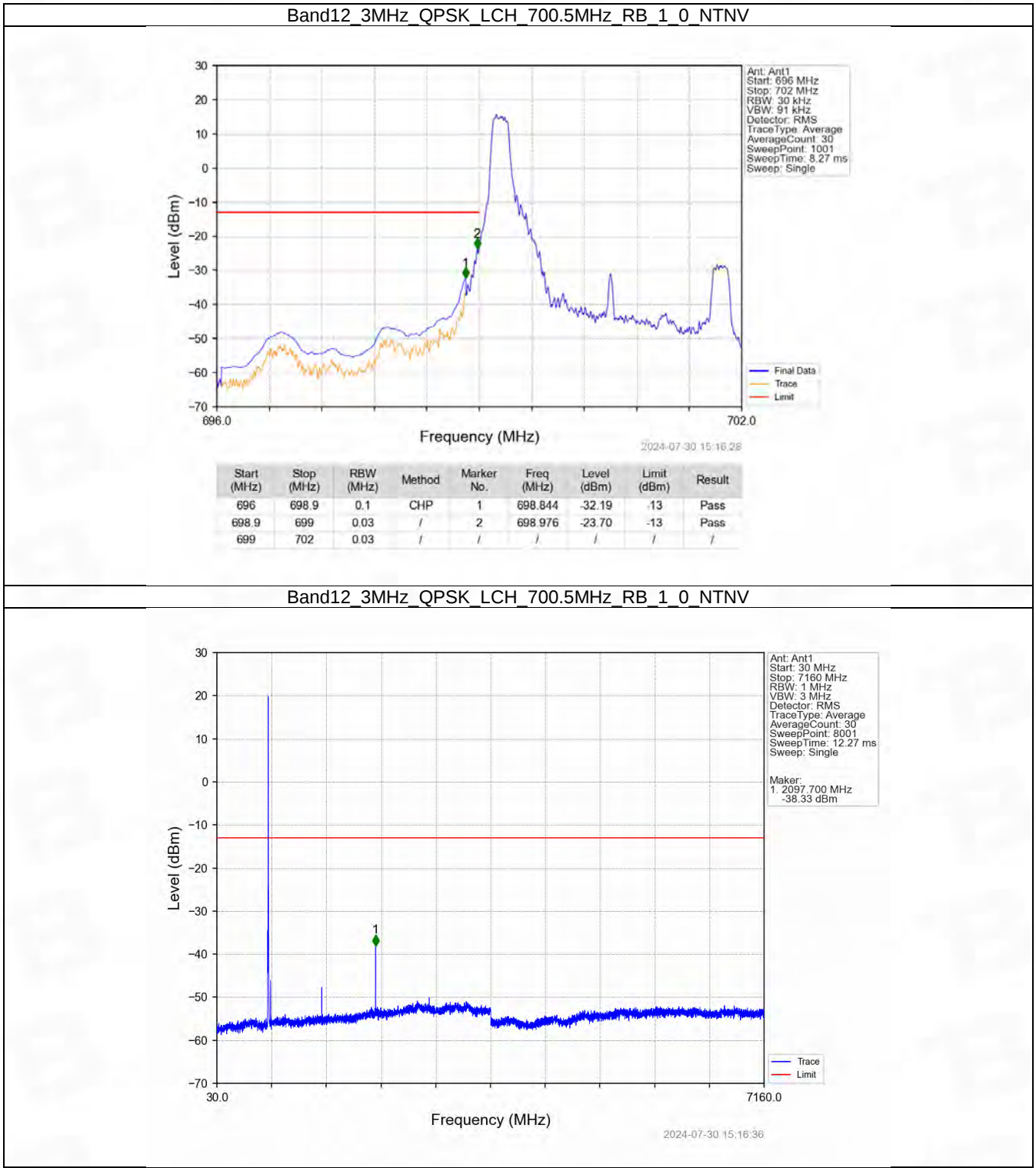
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-21.22	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-33.93	-13	Pass

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

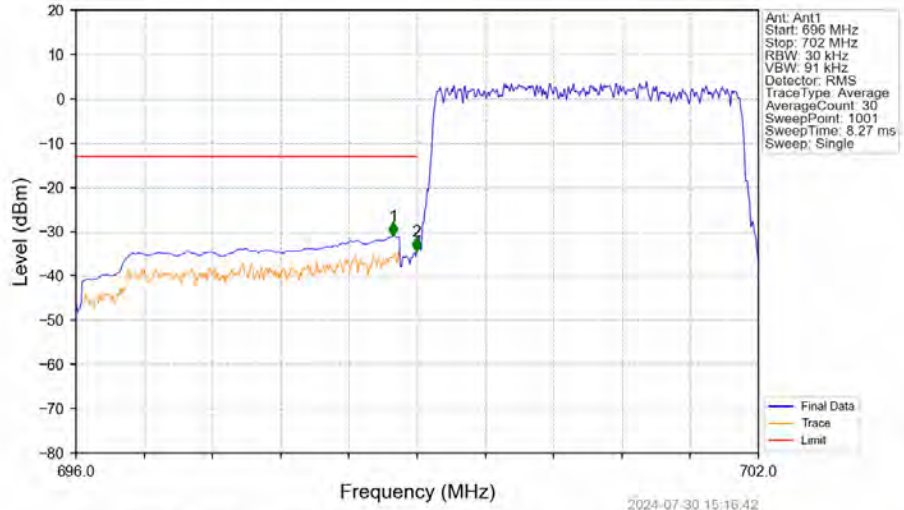


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.063	-29.27	-13	Pass
716.1	717.5	0.1	CHP	2	716.201	-26.49	-13	Pass

6.2.2 B12_3MHz



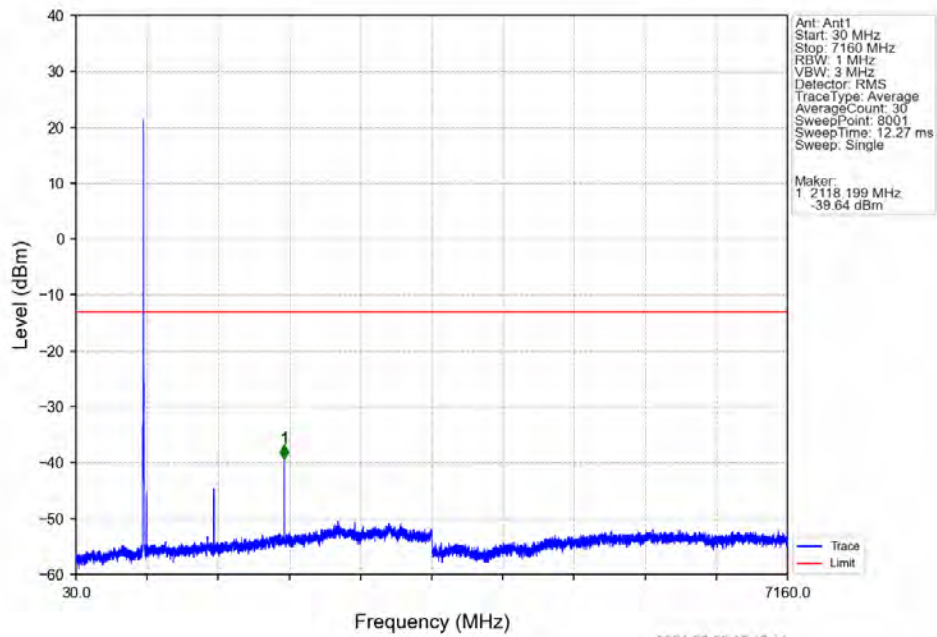
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



2024-07-30 15:16:42

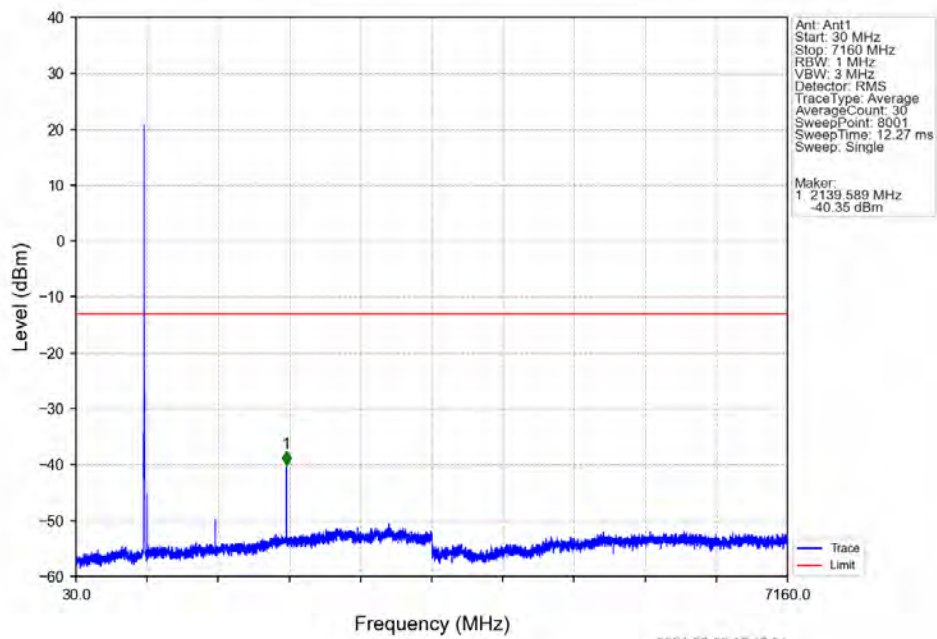
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.790	-30.99	-13	Pass
698.9	699	0.03	/	2	698.994	-34.49	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV

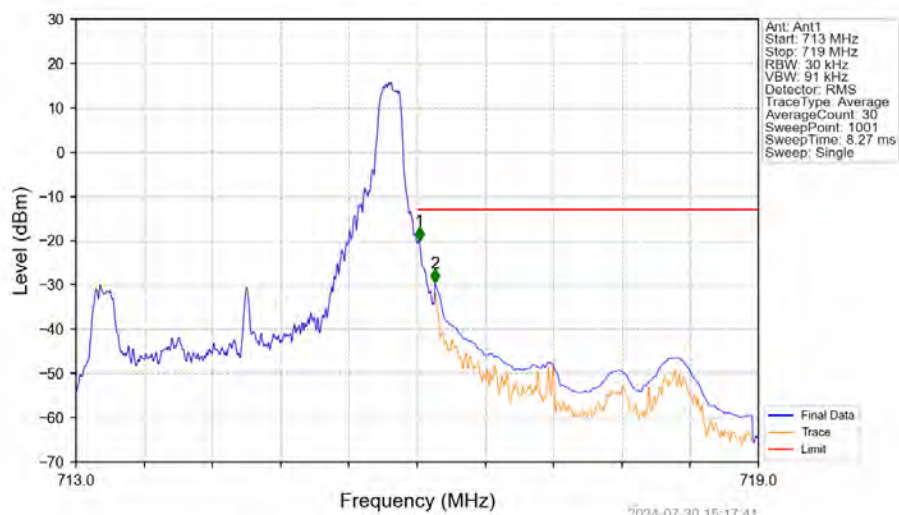


2024-07-30 15:17:14

Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTN

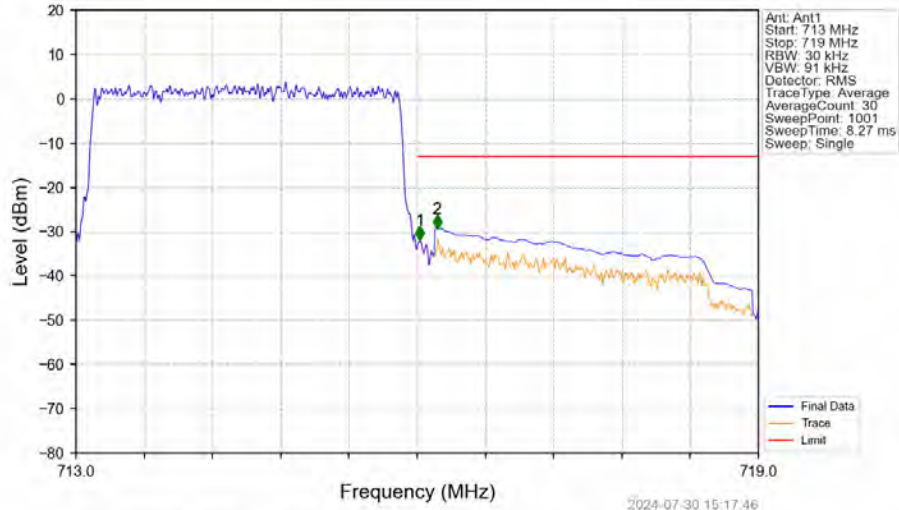


Band12 3MHz QPSK HCH 714.5MHz RB 1 14 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-20.00	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.54	-13	Pass

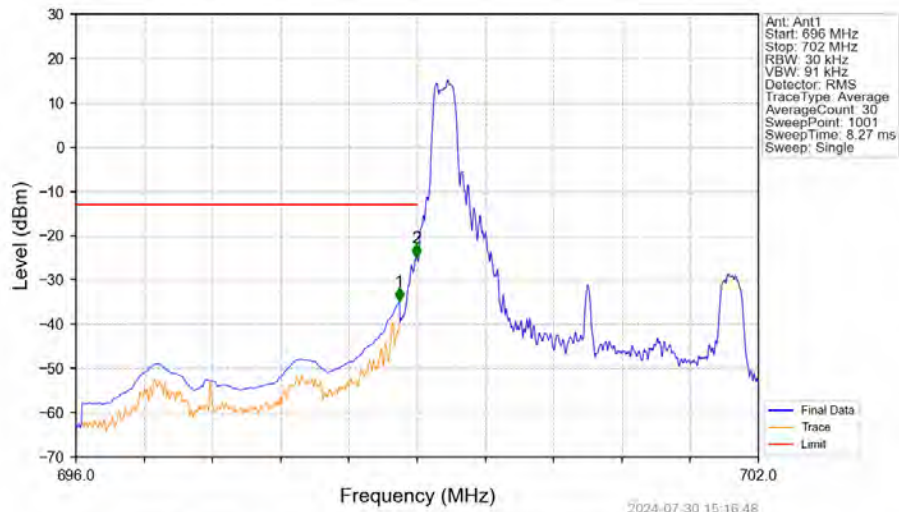
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



2024-07-30 15:17:46

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.024	-31.91	-13	Pass
716.1	719	0.1	CHP	2	716.174	-29.31	-13	Pass

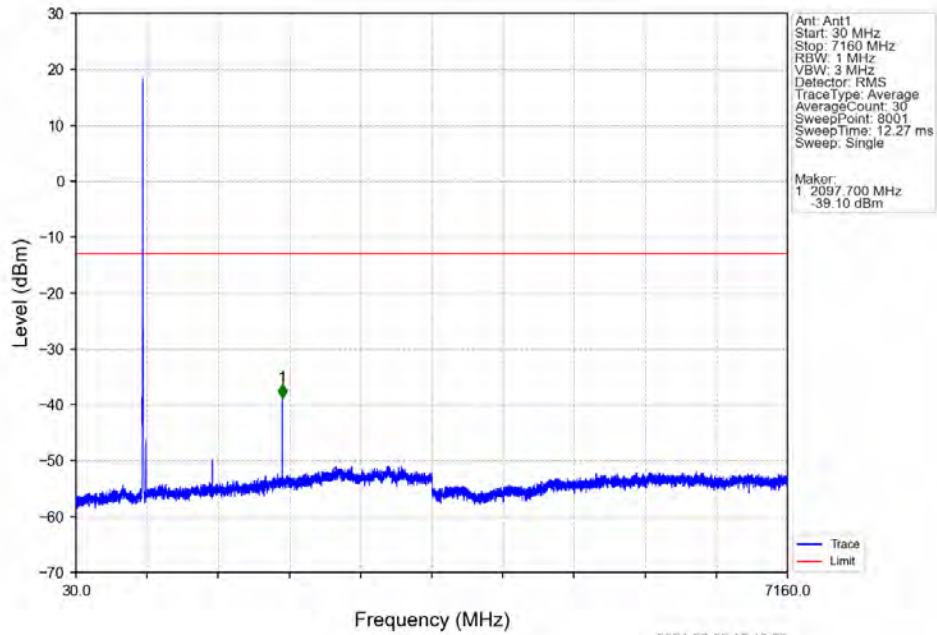
Band12 3MHz 16QAM LCH 700.5MHz RB 1 0 NTV



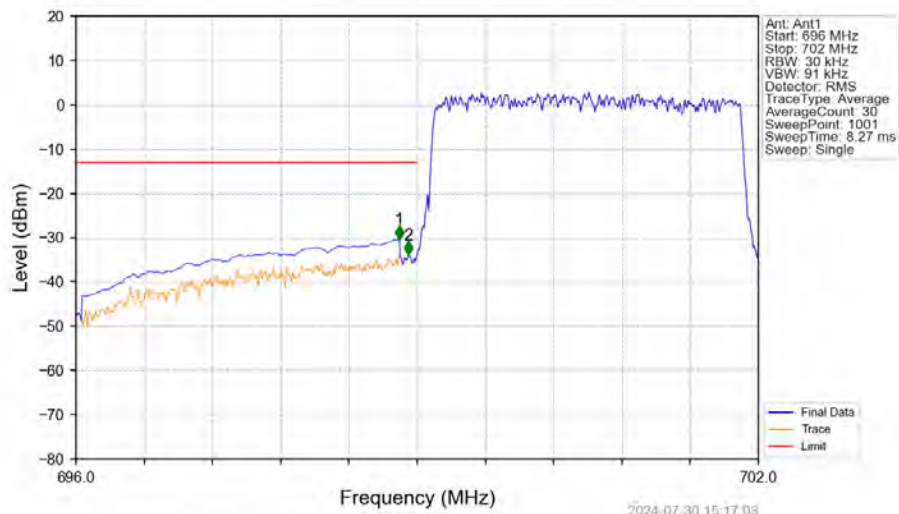
2024-07-30 15:16:48

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-34.81	-13	Pass
698.9	699	0.03	/	2	698.994	-24.99	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12 3MHz 16QAM LCH 700.5MHz RB 1 0 NTV

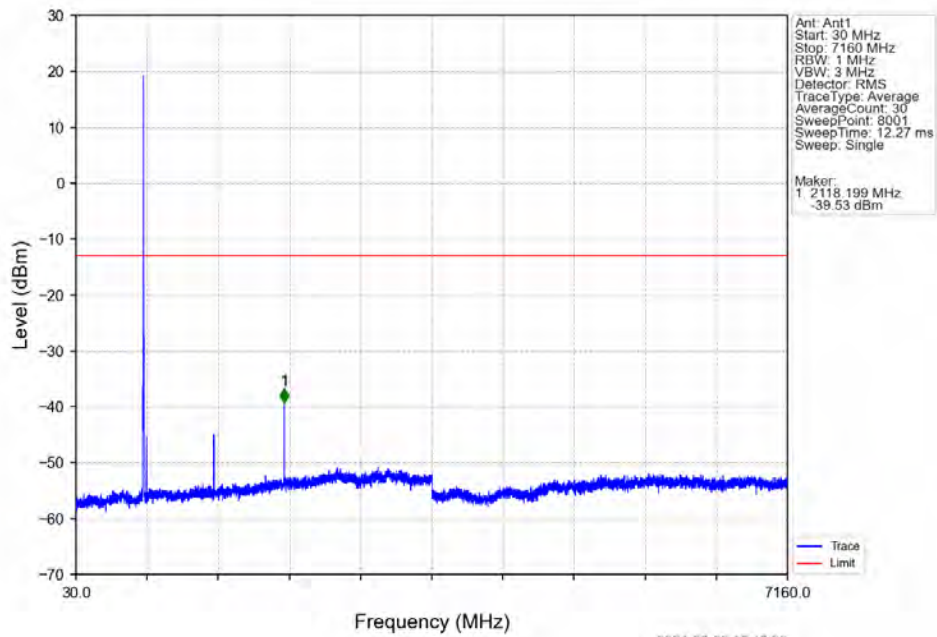


Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV

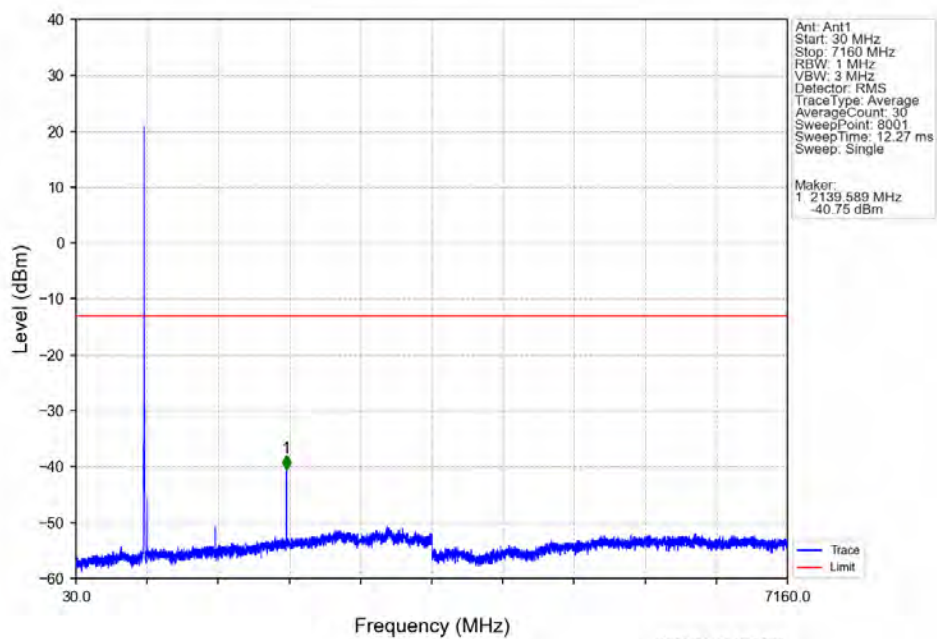


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.31	-13	Pass
698.9	699	0.03	/	2	698.922	-33.94	-13	Pass
699	702	0.03	/	/	/	/	/	/

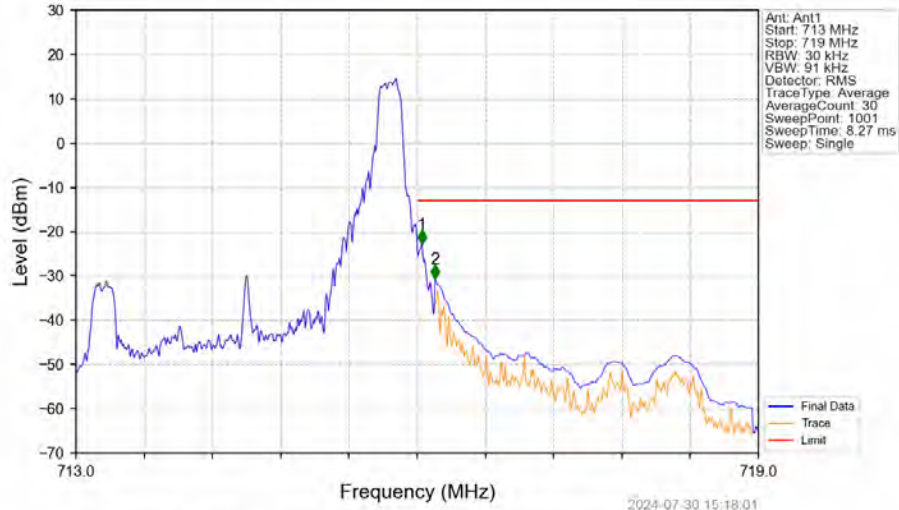
Band12 3MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



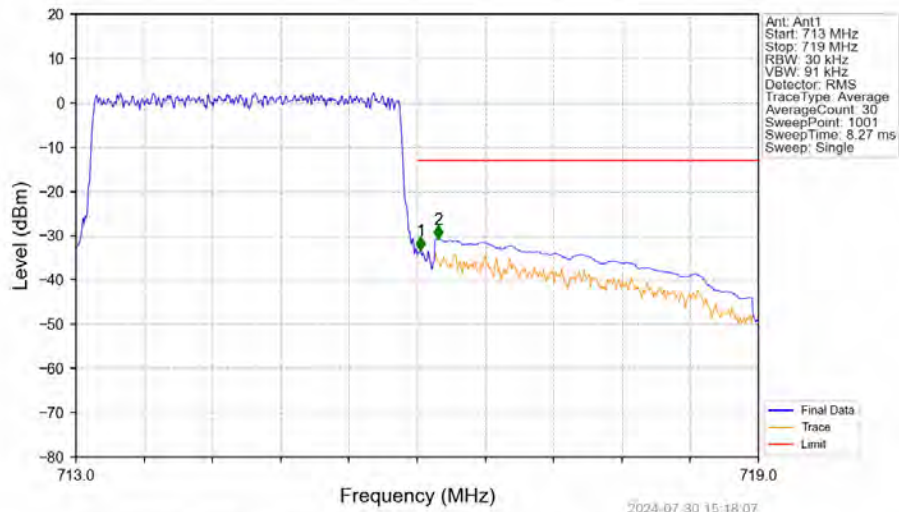
Band12 3MHz 16QAM HCH 714.5MHz RB 1 0 NTNV



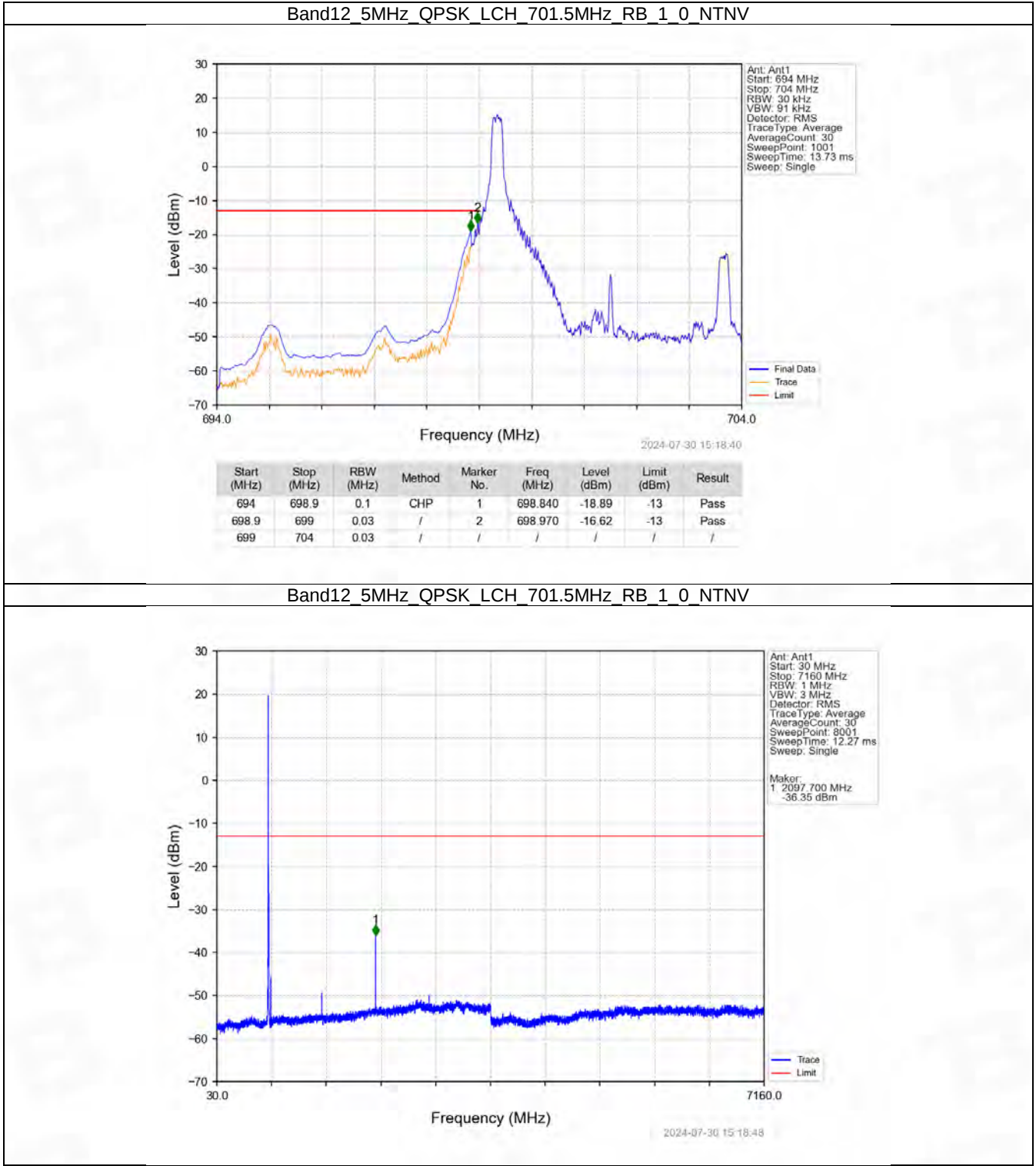
Band12 3MHz 16QAM HCH 714.5MHz RB 1 14 NTNV



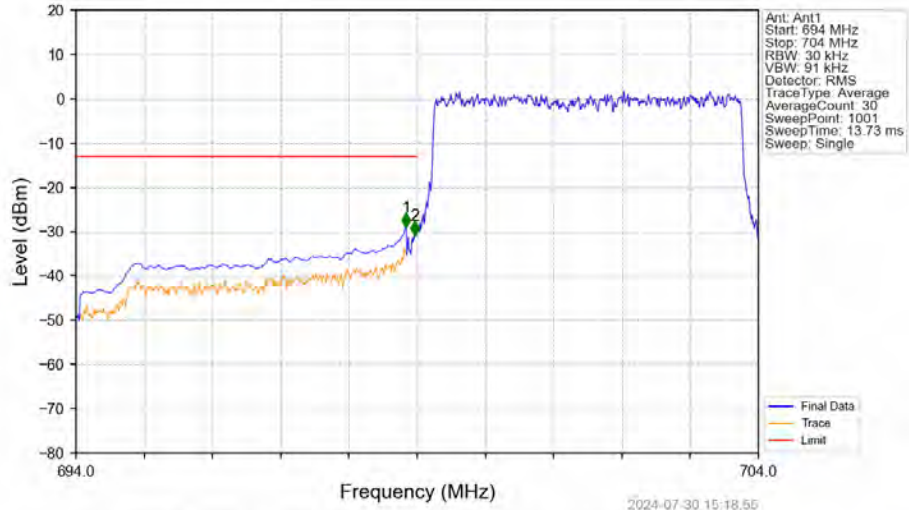
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



6.2.3 B12_5MHz

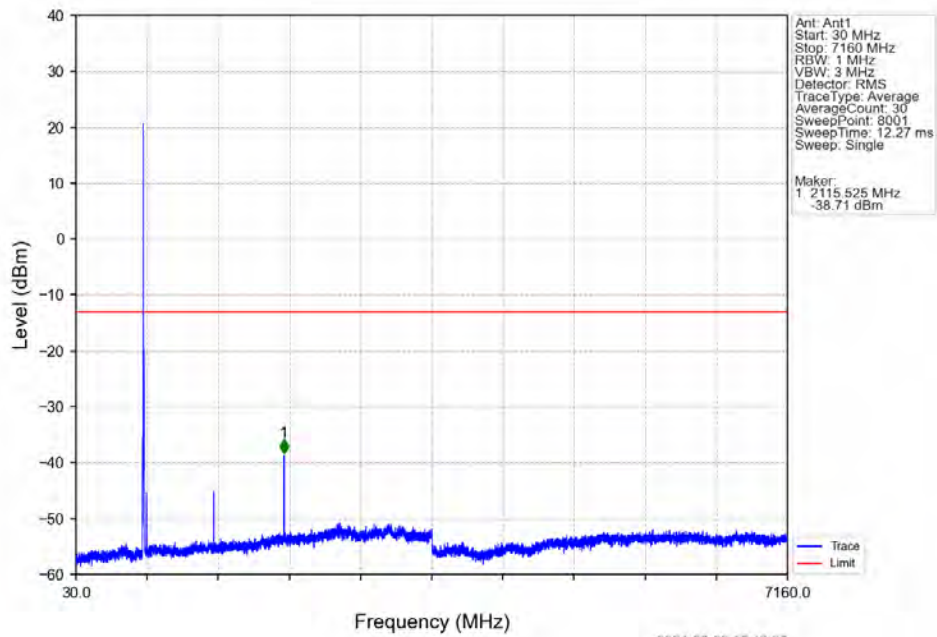


Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



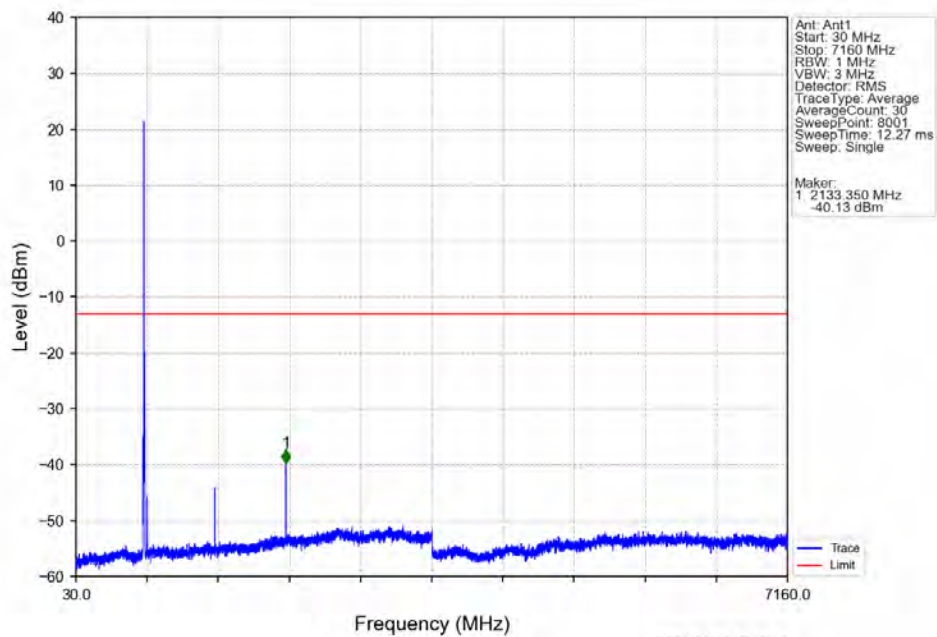
2024-07-30 15:18:55

Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV

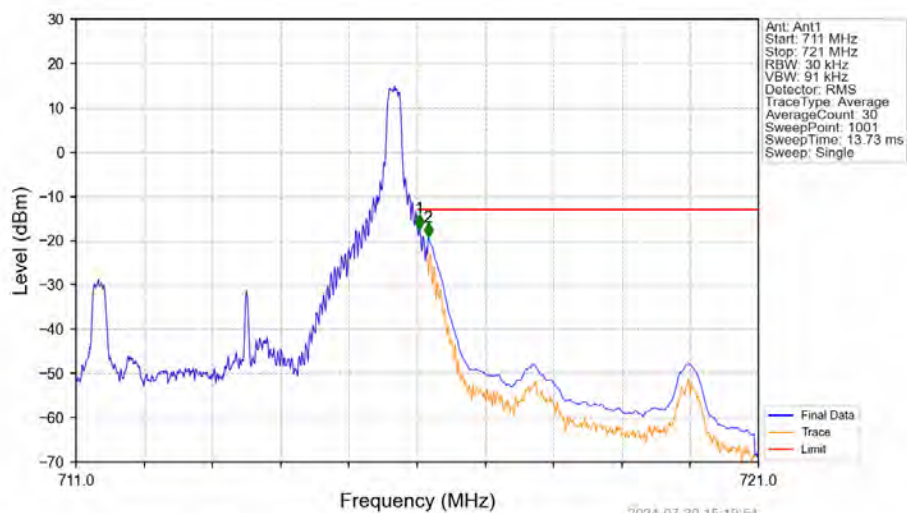


2024-07-30 15:19:27

Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTN

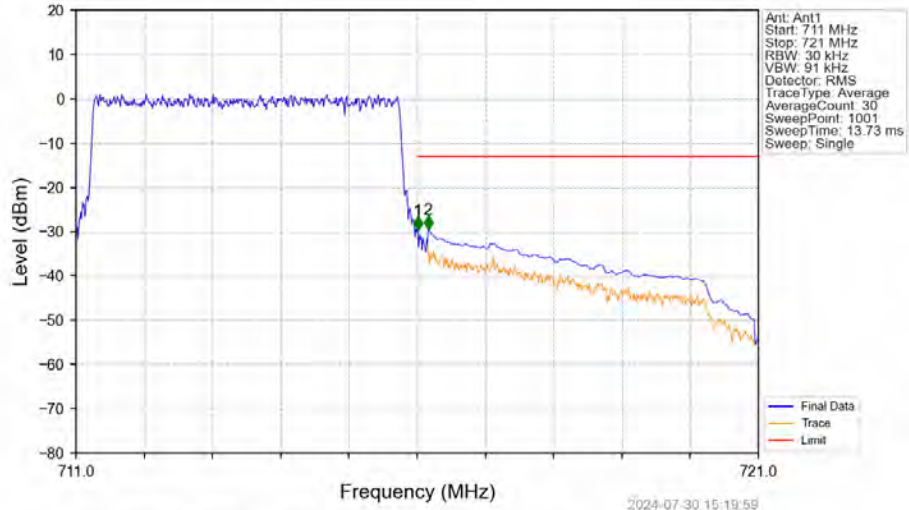


Band12 5MHz QPSK HCH 713.5MHz RB 1 24 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-17.21	-13	Pass
716.1	721	0.1	CHP	2	716.160	-19.19	-13	Pass

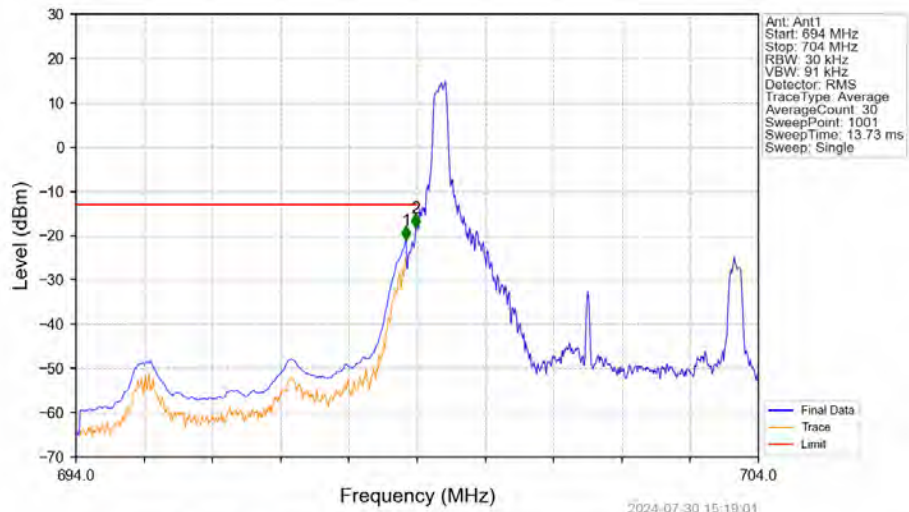
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-29.75	-13	Pass
716.1	721	0.1	CHP	2	716.160	-29.55	-13	Pass

2024-07-30 15:19:59

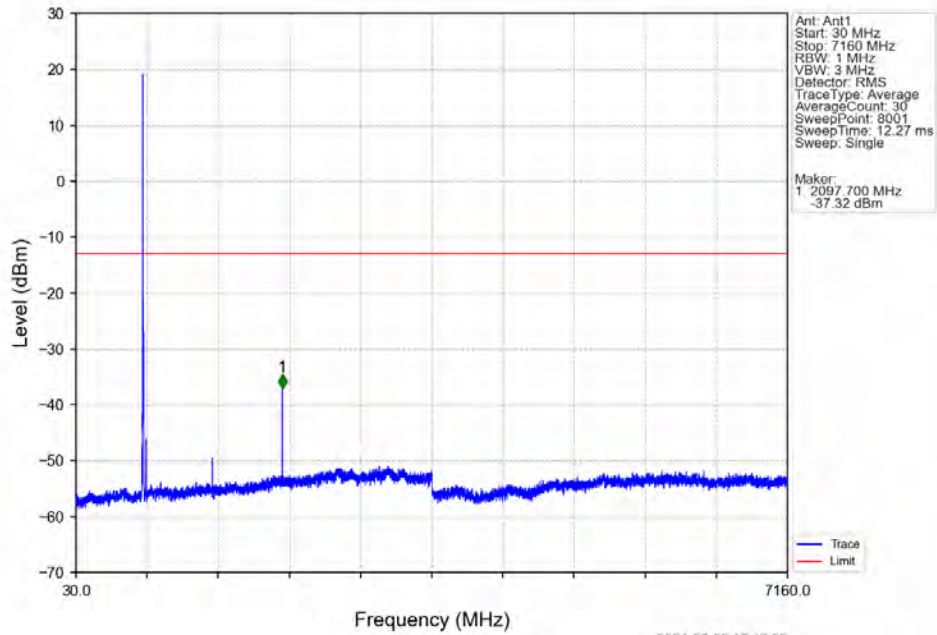
Band12 5MHz 16QAM LCH 701.5MHz RB 1 0 NTV



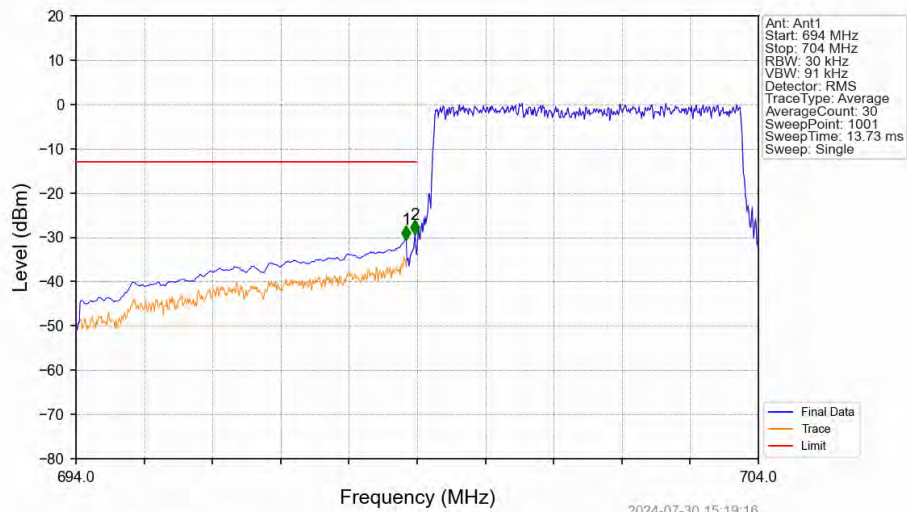
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-20.95	-13	Pass
698.9	699	0.03	/	2	698.980	-18.19	-13	Pass
699	704	0.03	/	/	/	/	/	/

2024-07-30 15:19:01

Band12 5MHz 16QAM LCH 701.5MHz RB 1 0 NTNV

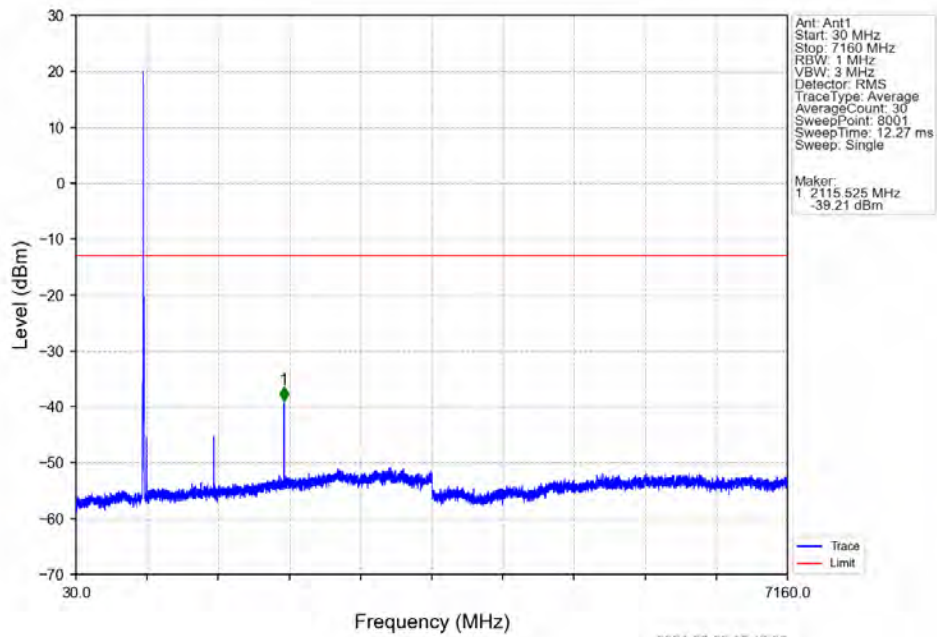


Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV

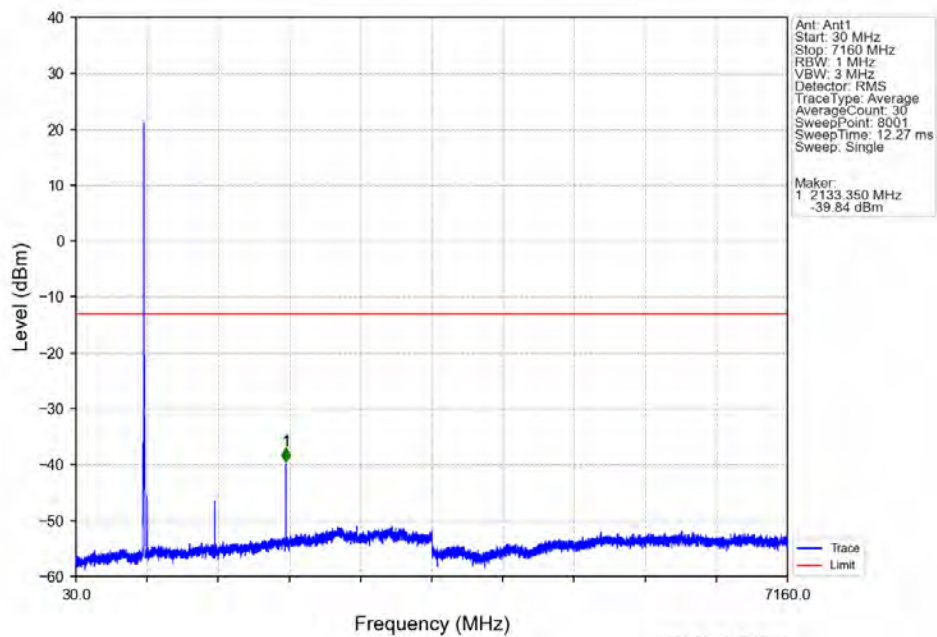


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-30.49	-13	Pass
698.9	699	0.03	/	2	698.970	-29.39	-13	Pass
699	704	0.03	/	/	/	/	/	/

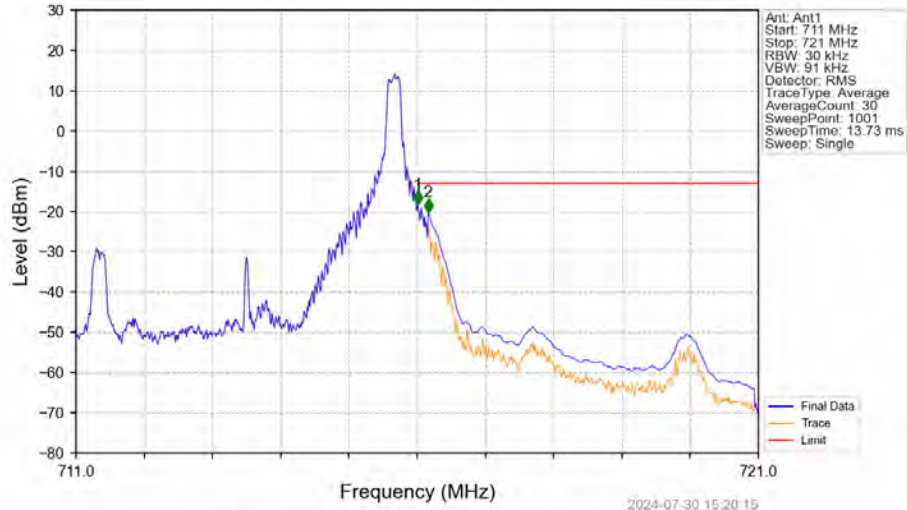
Band12 5MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



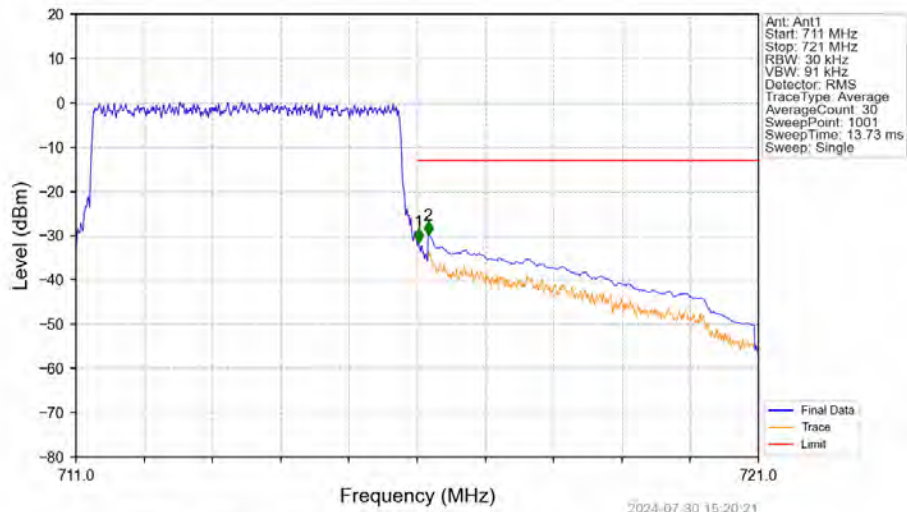
Band12 5MHz 16QAM HCH 713.5MHz RB 1 0 NTNV



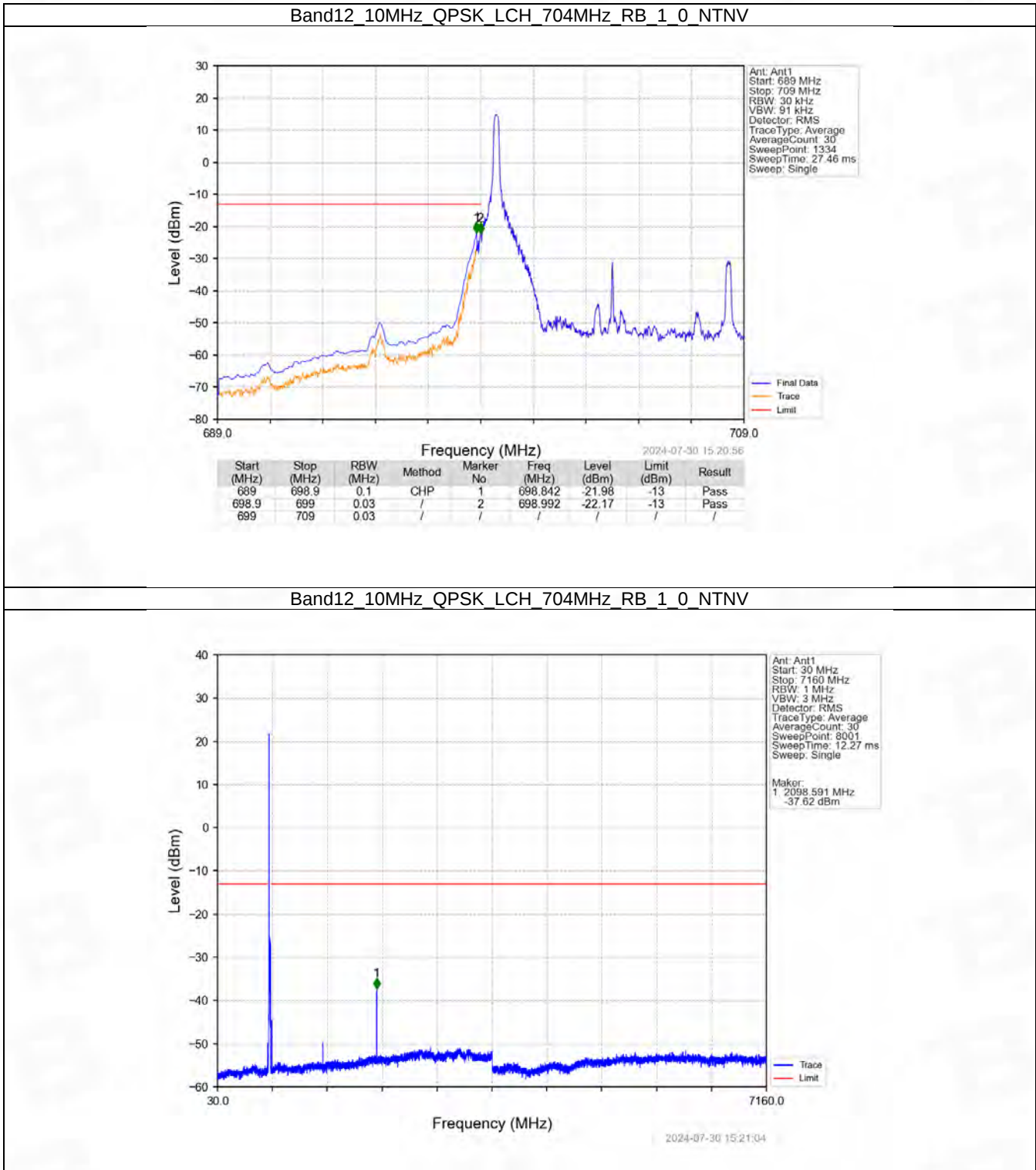
Band12 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV



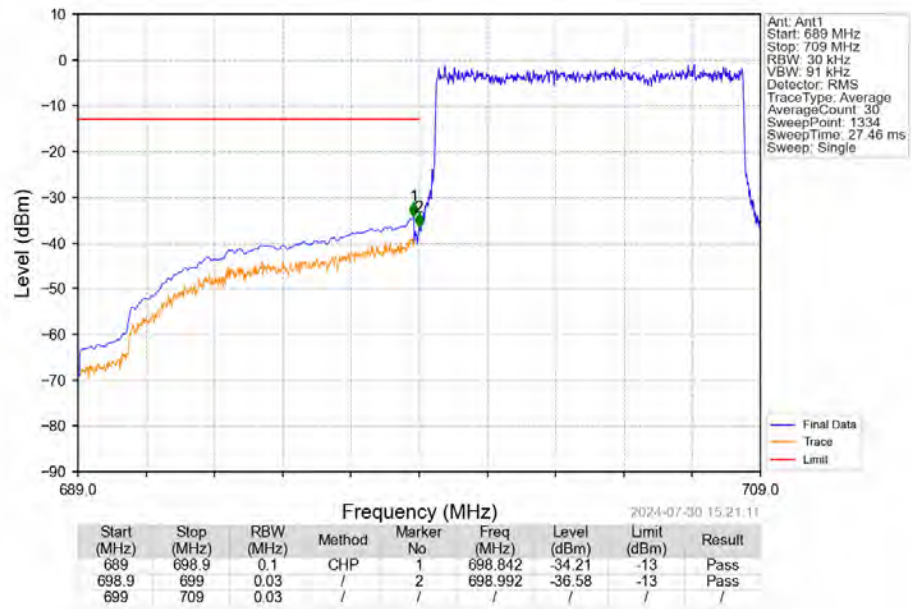
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



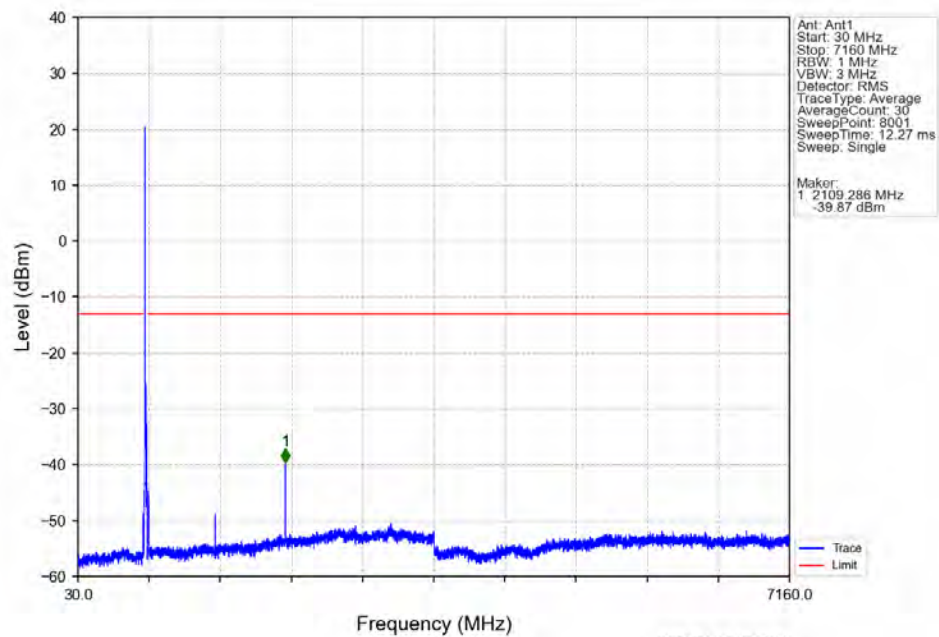
6.2.4 B12_10MHz



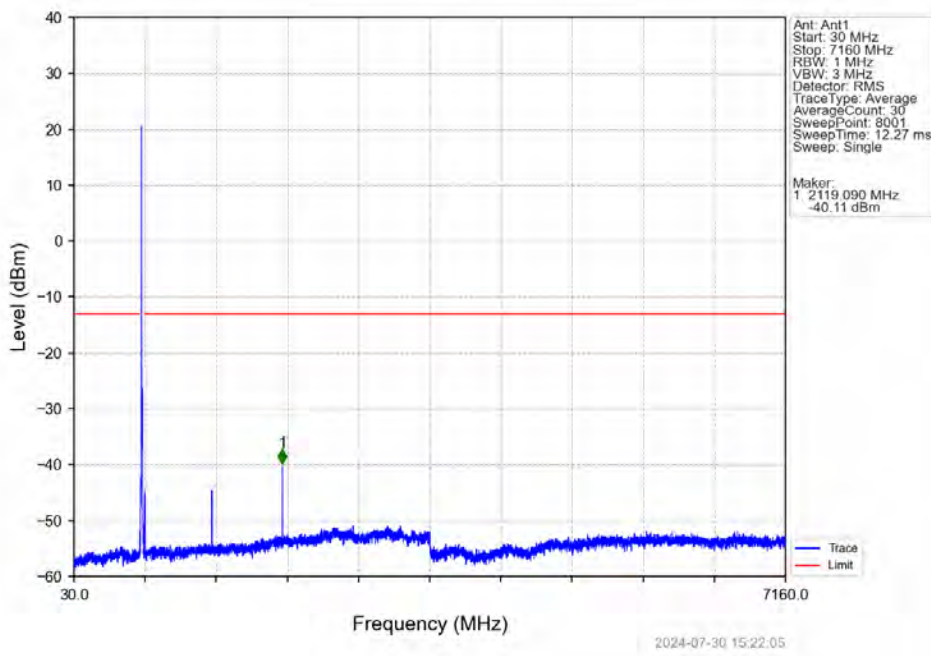
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



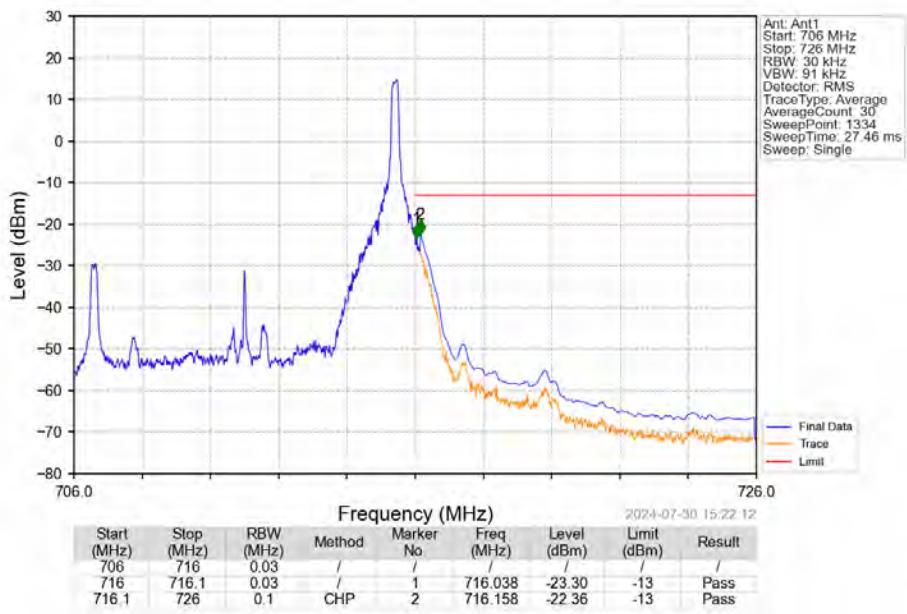
Band12 10MHz QPSK MCH 707.5MHz RB 1 0 NTNV



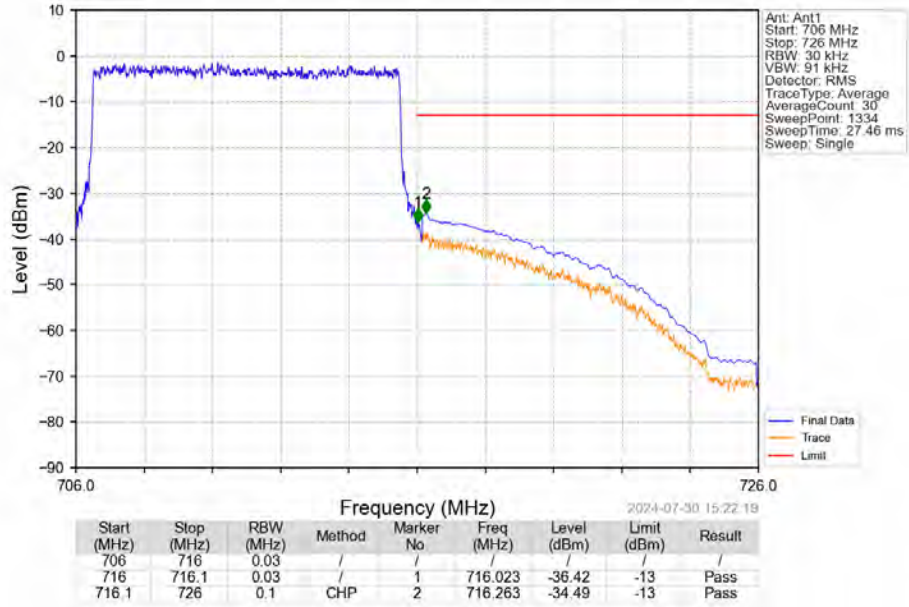
Band12 10MHz QPSK HCH 711MHz RB 1 0 NTNV



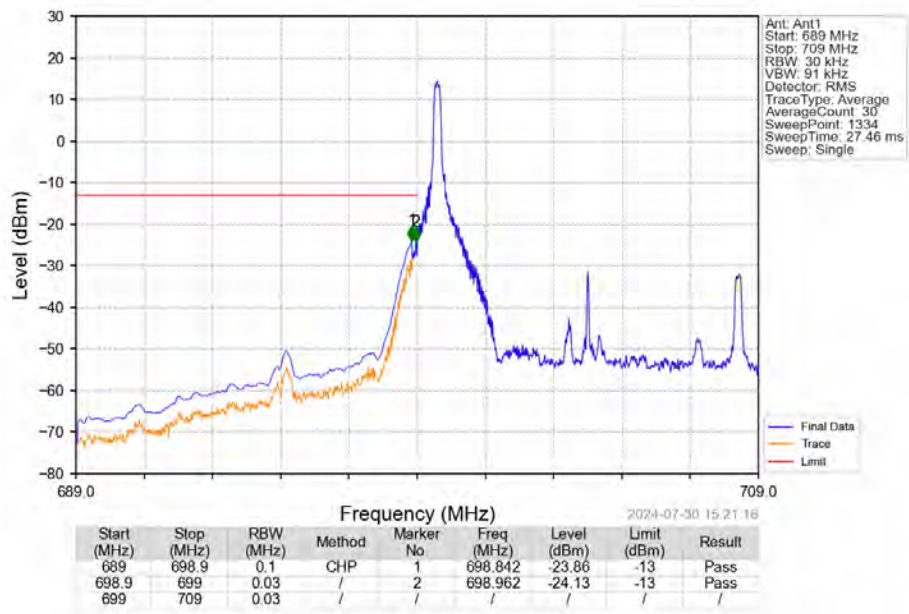
Band12 10MHz QPSK HCH 711MHz RB 1 49 NTNV



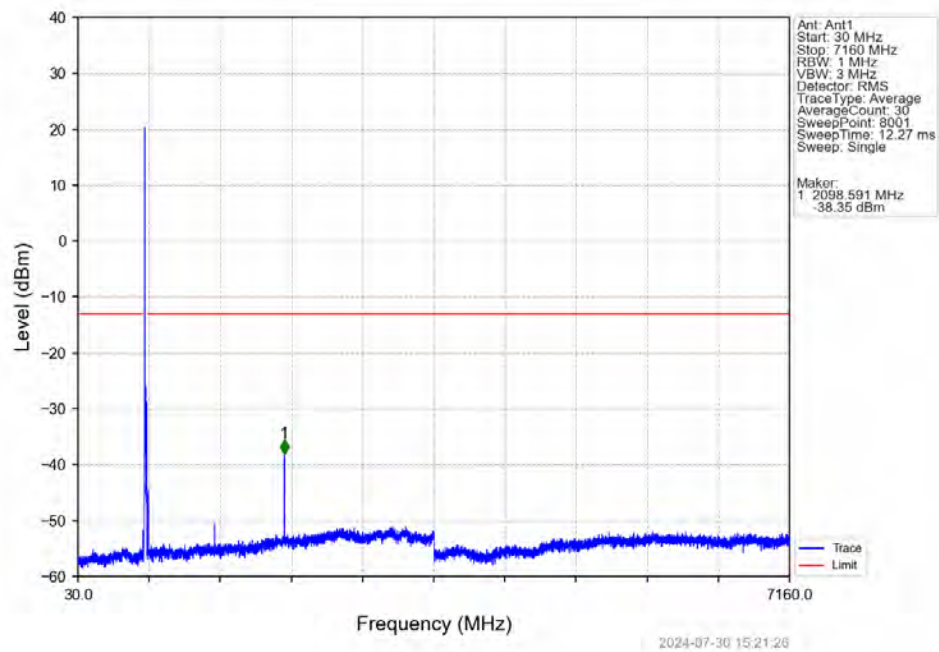
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTN



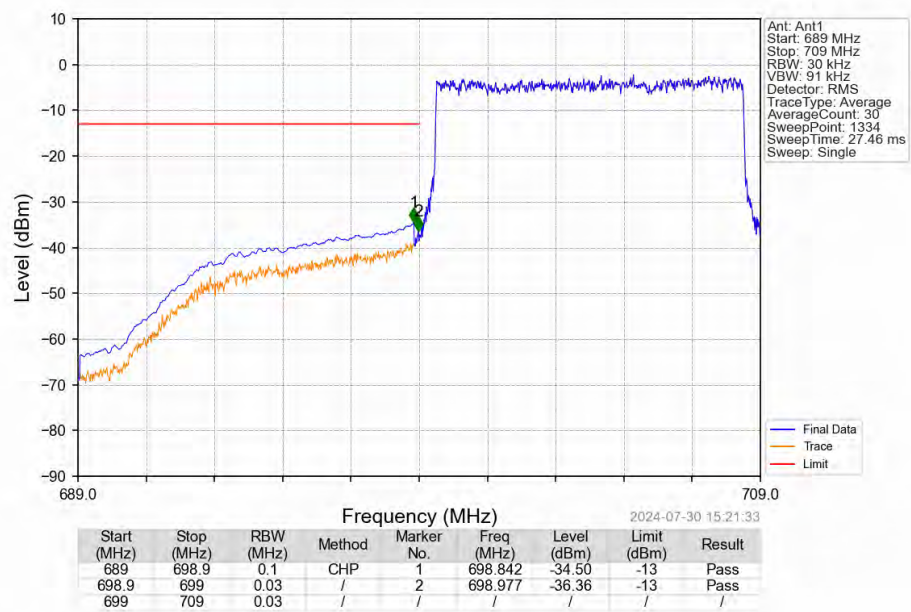
Band12 10MHz 16QAM LCH 704MHz RB 1 0 NTN



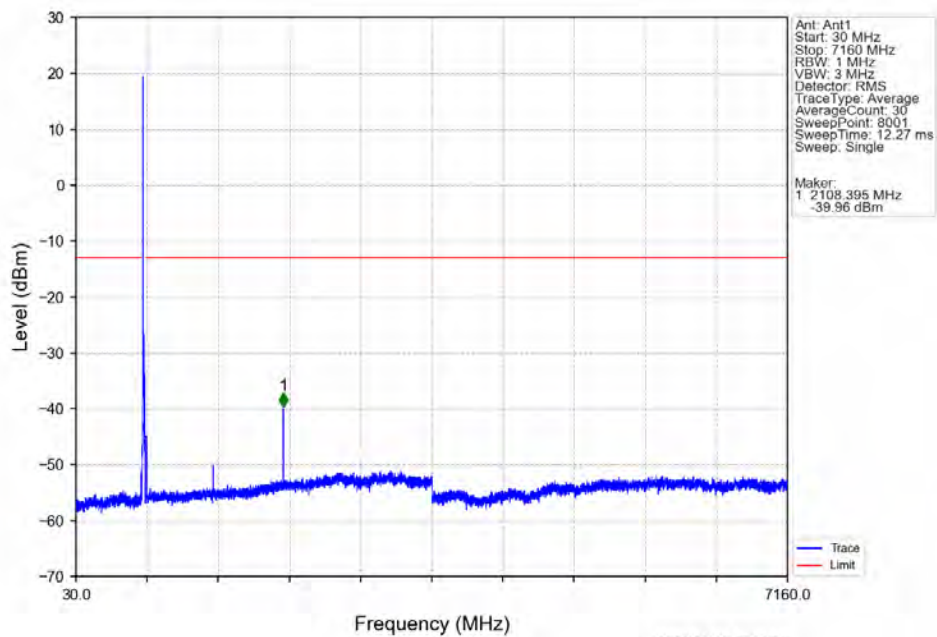
Band12 10MHz 16QAM LCH 704MHz RB 1 0 NTNV



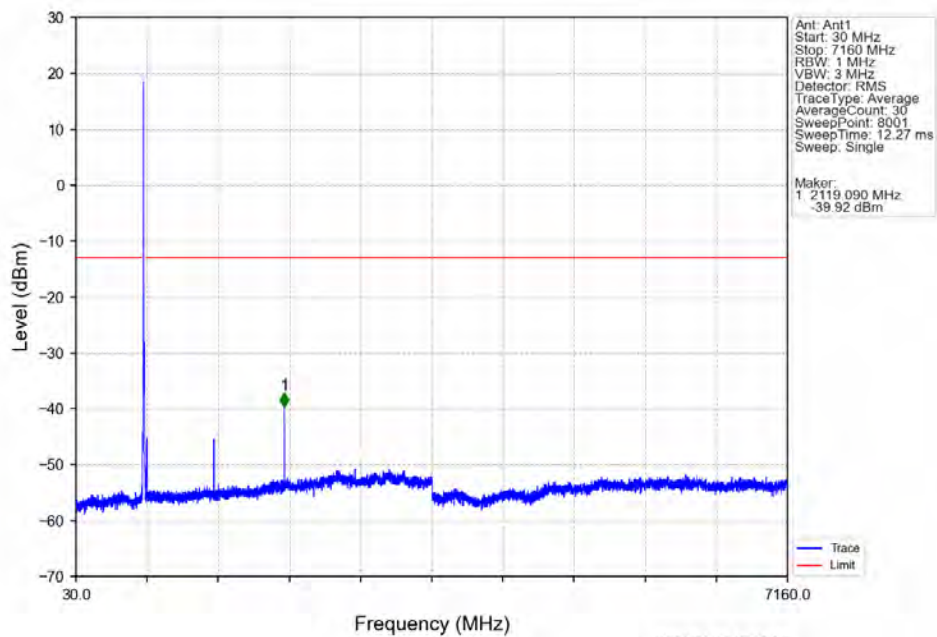
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



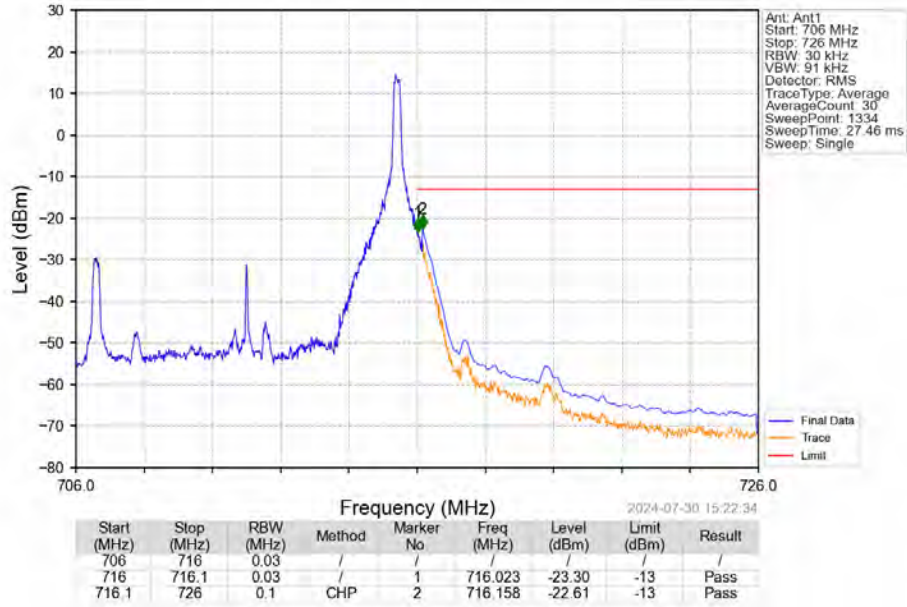
Band12 10MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



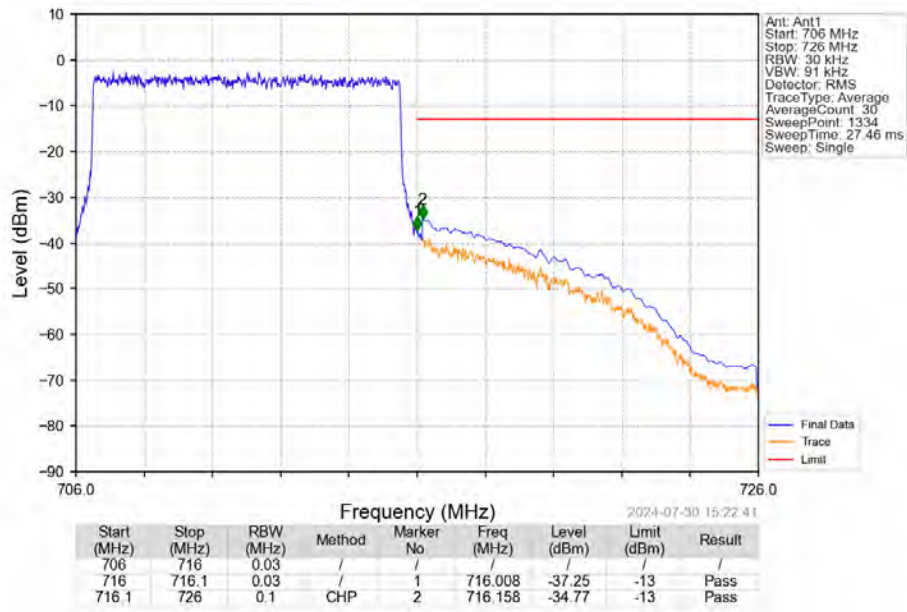
Band12 10MHz 16QAM HCH 711MHz RB 1 0 NTNV



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	0.1824	0.0152	ppm	1M11G7D	27H	22.61
12	1.4	699.7	715.3	0.1472	0.0160	ppm	1M12W7D	27H	21.68
12	3	700.5	714.5	0.1866	0.0148	ppm	2M73G7D	27H	22.71
12	3	700.5	714.5	0.1611	0.0141	ppm	2M73W7D	27H	22.07
12	5	701.5	713.5	0.1816	0.0146	ppm	4M59G7D	27H	22.59
12	5	701.5	713.5	0.1503	0.0179	ppm	4M63W7D	27H	21.77
12	10	704	711	0.1879	0.0136	ppm	9M12G7D	27H	22.74
12	10	704	711	0.1633	0.0158	ppm	9M08W7D	27H	22.13

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	0.0951	0.0152	ppm	1M11G7D	27H	19.78
12	1.4	699.7	715.3	0.0767	0.0160	ppm	1M12W7D	27H	18.85
12	3	700.5	714.5	0.0973	0.0148	ppm	2M73G7D	27H	19.88
12	3	700.5	714.5	0.0839	0.0141	ppm	2M73W7D	27H	19.24
12	5	701.5	713.5	0.0946	0.0146	ppm	4M59G7D	27H	19.76
12	5	701.5	713.5	0.0783	0.0179	ppm	4M63W7D	27H	18.94
12	10	704	711	0.0979	0.0136	ppm	9M12G7D	27H	19.91
12	10	704	711	0.0851	0.0158	ppm	9M08W7D	27H	19.30