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	14.99	0.12	12.96	<=34.77	Pass
			2	15.29	0.12	13.26	<=34.77	Pass
			5	17.11	0.12	15.08	<=34.77	Pass
		3	0	17.21	0.12	15.18	<=34.77	Pass
			2	17.36	0.12	15.33	<=34.77	Pass
			3	17.34	0.12	15.31	<=34.77	Pass
		6	0	16.20	0.12	14.17	<=34.77	Pass
	707.5	1	0	21.27	0.12	19.24	<=34.77	Pass
			2	21.42	0.12	19.39	<=34.77	Pass
			5	21.38	0.12	19.35	<=34.77	Pass
		3	0	21.46	0.12	19.43	<=34.77	Pass
			2	21.52	0.12	19.49	<=34.77	Pass
			3	21.35	0.12	19.32	<=34.77	Pass
		6	0	20.43	0.12	18.40	<=34.77	Pass
	715.3	1	0	21.36	0.12	19.33	<=34.77	Pass
			2	21.35	0.12	19.32	<=34.77	Pass
			5	21.35	0.12	19.32	<=34.77	Pass
		3	0	21.37	0.12	19.34	<=34.77	Pass
			2	21.36	0.12	19.33	<=34.77	Pass
			3	21.36	0.12	19.33	<=34.77	Pass
		6	0	21.34	0.12	19.31	<=34.77	Pass
16QAM	699.7	1	0	15.97	0.12	13.94	<=34.77	Pass
			2	16.28	0.12	14.25	<=34.77	Pass
			5	16.23	0.12	14.20	<=34.77	Pass
		3	0	16.22	0.12	14.19	<=34.77	Pass
			2	16.37	0.12	14.34	<=34.77	Pass
			3	16.35	0.12	14.32	<=34.77	Pass
		6	0	15.21	0.12	13.18	<=34.77	Pass
	707.5	1	0	20.58	0.12	18.55	<=34.77	Pass
			2	20.42	0.12	18.39	<=34.77	Pass
			5	20.44	0.12	18.41	<=34.77	Pass
		3	0	20.39	0.12	18.36	<=34.77	Pass
			2	20.36	0.12	18.33	<=34.77	Pass
			3	20.35	0.12	18.32	<=34.77	Pass
		6	0	19.73	0.12	17.70	<=34.77	Pass
	715.3	1	0	21.35	0.12	19.32	<=34.77	Pass
			2	21.37	0.12	19.34	<=34.77	Pass
			5	21.38	0.12	19.35	<=34.77	Pass
		3	0	21.37	0.12	19.34	<=34.77	Pass
			2	21.38	0.12	19.35	<=34.77	Pass
			3	21.36	0.12	19.33	<=34.77	Pass
		6	0	19.50	0.12	17.47	<=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	21.36	0.12	19.33	<=34.77	Pass
			7	21.41	0.12	19.38	<=34.77	Pass
			14	21.36	0.12	19.33	<=34.77	Pass
		8	0	20.60	0.12	18.57	<=34.77	Pass
			4	20.56	0.12	18.53	<=34.77	Pass
			7	20.31	0.12	18.28	<=34.77	Pass
		15	0	20.52	0.12	18.49	<=34.77	Pass
	707.5	1	0	19.40	0.12	17.37	<=34.77	Pass
			7	19.40	0.12	17.37	<=34.77	Pass
			14	19.42	0.12	17.39	<=34.77	Pass
		8	0	18.60	0.12	16.57	<=34.77	Pass
			4	18.60	0.12	16.57	<=34.77	Pass
			7	18.52	0.12	16.49	<=34.77	Pass
		15	0	18.59	0.12	16.56	<=34.77	Pass
	714.5	1	0	19.57	0.12	17.54	<=34.77	Pass
			7	19.54	0.12	17.51	<=34.77	Pass
			14	19.38	0.12	17.35	<=34.77	Pass
		8	0	18.62	0.12	16.59	<=34.77	Pass
			4	15.90	0.12	13.87	<=34.77	Pass
			7	15.81	0.12	13.78	<=34.77	Pass
		15	0	15.93	0.12	13.90	<=34.77	Pass
16QAM	700.5	1	0	20.76	0.12	18.73	<=34.77	Pass
			7	20.77	0.12	18.74	<=34.77	Pass
			14	20.78	0.12	18.75	<=34.77	Pass
		8	0	19.68	0.12	17.65	<=34.77	Pass
			4	19.65	0.12	17.62	<=34.77	Pass
			7	19.35	0.12	17.32	<=34.77	Pass
		15	0	19.61	0.12	17.58	<=34.77	Pass
	707.5	1	0	18.33	0.12	16.30	<=34.77	Pass
			7	18.54	0.12	16.51	<=34.77	Pass
			14	18.53	0.12	16.50	<=34.77	Pass
		8	0	17.02	0.12	14.99	<=34.77	Pass
			4	17.07	0.12	15.04	<=34.77	Pass
			7	17.03	0.12	15.00	<=34.77	Pass
		15	0	17.01	0.12	14.98	<=34.77	Pass
	714.5	1	0	16.07	0.12	14.04	<=34.77	Pass
			7	16.05	0.12	14.02	<=34.77	Pass
			14	15.67	0.12	13.64	<=34.77	Pass
		8	0	15.23	0.12	13.20	<=34.77	Pass
			4	15.16	0.12	13.13	<=34.77	Pass
			7	15.04	0.12	13.01	<=34.77	Pass
		15	0	15.15	0.12	13.12	<=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 / NTNV						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	ERP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	701.5	1	0	16.44	0.12	14.41	<=34.77	Pass
			13	16.39	0.12	14.36	<=34.77	Pass
			24	16.37	0.12	14.34	<=34.77	Pass
		12	0	16.35	0.12	14.32	<=34.77	Pass
			6	16.34	0.12	14.31	<=34.77	Pass
			13	16.34	0.12	14.31	<=34.77	Pass
		25	0	16.33	0.12	14.30	<=34.77	Pass
	707.5	1	0	20.28	0.12	18.25	<=34.77	Pass
			13	20.34	0.12	18.31	<=34.77	Pass
			24	20.29	0.12	18.26	<=34.77	Pass
		12	0	20.33	0.12	18.30	<=34.77	Pass
			6	20.30	0.12	18.27	<=34.77	Pass
			13	20.28	0.12	18.25	<=34.77	Pass
		25	0	20.26	0.12	18.23	<=34.77	Pass
	713.5	1	0	18.59	0.12	16.56	<=34.77	Pass
			13	18.56	0.12	16.53	<=34.77	Pass
			24	18.54	0.12	16.51	<=34.77	Pass
		12	0	18.53	0.12	16.50	<=34.77	Pass
			6	18.52	0.12	16.49	<=34.77	Pass
			13	18.51	0.12	16.48	<=34.77	Pass
		25	0	18.55	0.12	16.52	<=34.77	Pass
16QAM	701.5	1	0	16.34	0.12	14.31	<=34.77	Pass
			13	16.48	0.12	14.45	<=34.77	Pass
			24	16.48	0.12	14.45	<=34.77	Pass
		12	0	16.48	0.12	14.45	<=34.77	Pass
			6	16.48	0.12	14.45	<=34.77	Pass
			13	16.47	0.12	14.44	<=34.77	Pass
		25	0	16.47	0.12	14.44	<=34.77	Pass
	707.5	1	0	20.36	0.12	18.33	<=34.77	Pass
			13	20.34	0.12	18.31	<=34.77	Pass
			24	20.33	0.12	18.30	<=34.77	Pass
		12	0	19.95	0.12	17.92	<=34.77	Pass
			6	18.68	0.12	16.65	<=34.77	Pass
			13	18.68	0.12	16.65	<=34.77	Pass
		25	0	18.68	0.12	16.65	<=34.77	Pass
	713.5	1	0	18.65	0.12	16.62	<=34.77	Pass
			13	18.64	0.12	16.61	<=34.77	Pass
			24	18.63	0.12	16.60	<=34.77	Pass
		12	0	18.63	0.12	16.60	<=34.77	Pass
			6	18.62	0.12	16.59	<=34.77	Pass
			13	18.62	0.12	16.59	<=34.77	Pass
		25	0	18.61	0.12	16.58	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.4 B12_10MHz_ERP

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	16.55	0.12	14.52	<=34.77	Pass
			25	17.26	0.12	15.23	<=34.77	Pass
			49	17.10	0.12	15.07	<=34.77	Pass
		25	0	16.22	0.12	14.19	<=34.77	Pass
			13	16.40	0.12	14.37	<=34.77	Pass
			25	16.44	0.12	14.41	<=34.77	Pass

		50	0	16.35	0.12	14.32	<=34.77	Pass
	707.5	1	0	17.00	0.12	14.97	<=34.77	Pass
			25	15.20	0.12	13.17	<=34.77	Pass
			49	15.48	0.12	13.45	<=34.77	Pass
		25	0	14.39	0.12	12.36	<=34.77	Pass
			13	14.33	0.12	12.30	<=34.77	Pass
			25	14.42	0.12	12.39	<=34.77	Pass
		50	0	14.42	0.12	12.39	<=34.77	Pass
	711	1	0	15.32	0.12	13.29	<=34.77	Pass
			25	15.38	0.12	13.35	<=34.77	Pass
			49	15.18	0.12	13.15	<=34.77	Pass
		25	0	14.40	0.12	12.37	<=34.77	Pass
			13	16.35	0.12	14.32	<=34.77	Pass
			25	16.42	0.12	14.39	<=34.77	Pass
		50	0	16.45	0.12	14.42	<=34.77	Pass
16QAM	704	1	0	16.28	0.12	14.25	<=34.77	Pass
			25	16.97	0.12	14.94	<=34.77	Pass
			49	16.84	0.12	14.81	<=34.77	Pass
		25	0	15.40	0.12	13.37	<=34.77	Pass
			13	15.55	0.12	13.52	<=34.77	Pass
			25	15.63	0.12	13.60	<=34.77	Pass
		50	0	15.48	0.12	13.45	<=34.77	Pass
	707.5	1	0	14.25	0.12	12.22	<=34.77	Pass
			25	14.27	0.12	12.24	<=34.77	Pass
			49	14.51	0.12	12.48	<=34.77	Pass
		25	0	13.61	0.12	11.58	<=34.77	Pass
			13	13.52	0.12	11.49	<=34.77	Pass
			25	13.60	0.12	11.57	<=34.77	Pass
		50	0	13.52	0.12	11.49	<=34.77	Pass
	711	1	0	16.44	0.12	14.41	<=34.77	Pass
			25	16.64	0.12	14.61	<=34.77	Pass
			49	16.28	0.12	14.25	<=34.77	Pass
		25	0	15.58	0.12	13.55	<=34.77	Pass
			13	15.61	0.12	13.58	<=34.77	Pass
			25	19.61	0.12	17.58	<=34.77	Pass
		50	0	19.38	0.12	17.35	<=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	3.27	-24.004	-0.0343	-2.5 to 2.5	Pass
					3.85	-20.399	-0.0292	-2.5 to 2.5	Pass
					4.43	-16.780	-0.0240	-2.5 to 2.5	Pass
				-30	3.85	-15.035	-0.0215	-2.5 to 2.5	Pass
				-20	3.85	-12.617	-0.0180	-2.5 to 2.5	Pass
				-10	3.85	-11.530	-0.0165	-2.5 to 2.5	Pass
				0	3.85	-10.285	-0.0147	-2.5 to 2.5	Pass
				10	3.85	-10.014	-0.0143	-2.5 to 2.5	Pass
				30	3.85	-9.255	-0.0132	-2.5 to 2.5	Pass
				40	3.85	-8.597	-0.0123	-2.5 to 2.5	Pass

				50	3.85	-8.469	-0.0121	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-5.651	-0.0080	-2.5 to 2.5	Pass
					3.85	-5.736	-0.0081	-2.5 to 2.5	Pass
					4.43	6.351	0.0090	-2.5 to 2.5	Pass
				-30	3.85	15.507	0.0219	-2.5 to 2.5	Pass
				-20	3.85	21.472	0.0303	-2.5 to 2.5	Pass
				-10	3.85	25.477	0.0360	-2.5 to 2.5	Pass
				0	3.85	27.466	0.0388	-2.5 to 2.5	Pass
				10	3.85	28.696	0.0406	-2.5 to 2.5	Pass
				30	3.85	29.397	0.0416	-2.5 to 2.5	Pass
				40	3.85	29.783	0.0421	-2.5 to 2.5	Pass
				50	3.85	29.483	0.0417	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-21.887	-0.0306	-2.5 to 2.5	Pass
					3.85	-10.571	-0.0148	-2.5 to 2.5	Pass
					4.43	6.967	0.0097	-2.5 to 2.5	Pass
				-30	3.85	18.740	0.0262	-2.5 to 2.5	Pass
				-20	3.85	27.022	0.0378	-2.5 to 2.5	Pass
				-10	3.85	32.315	0.0452	-2.5 to 2.5	Pass
				0	3.85	36.149	0.0505	-2.5 to 2.5	Pass
				10	3.85	37.622	0.0526	-2.5 to 2.5	Pass
				30	3.85	39.568	0.0553	-2.5 to 2.5	Pass
				40	3.85	40.197	0.0562	-2.5 to 2.5	Pass
				50	3.85	40.870	0.0571	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-12.274	-0.0175	-2.5 to 2.5	Pass
					3.85	-10.815	-0.0155	-2.5 to 2.5	Pass
					4.43	-9.084	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-8.154	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-16.708	-0.0239	-2.5 to 2.5	Pass
				-10	3.85	-16.308	-0.0233	-2.5 to 2.5	Pass
				0	3.85	-13.475	-0.0193	-2.5 to 2.5	Pass
				10	3.85	-11.444	-0.0164	-2.5 to 2.5	Pass
				30	3.85	-9.184	-0.0131	-2.5 to 2.5	Pass
				40	3.85	-7.281	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-4.706	-0.0067	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	31.571	0.0446	-2.5 to 2.5	Pass
					3.85	42.143	0.0596	-2.5 to 2.5	Pass
					4.43	40.998	0.0579	-2.5 to 2.5	Pass
				-30	3.85	39.468	0.0558	-2.5 to 2.5	Pass
				-20	3.85	37.823	0.0535	-2.5 to 2.5	Pass
				-10	3.85	37.107	0.0524	-2.5 to 2.5	Pass
				0	3.85	36.078	0.0510	-2.5 to 2.5	Pass
				10	3.85	35.219	0.0498	-2.5 to 2.5	Pass
				30	3.85	34.833	0.0492	-2.5 to 2.5	Pass
				40	3.85	34.790	0.0492	-2.5 to 2.5	Pass
				50	3.85	34.776	0.0492	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	41.413	0.0579	-2.5 to 2.5	Pass
					3.85	3.934	0.0055	-2.5 to 2.5	Pass
					4.43	4.892	0.0068	-2.5 to 2.5	Pass
				-30	3.85	2.704	0.0038	-2.5 to 2.5	Pass
				-20	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-2.589	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-2.975	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-2.704	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-2.532	-0.0035	-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	3.27	1.659	0.0024	-2.5 to 2.5	Pass
					3.85	6.652	0.0095	-2.5 to 2.5	Pass
					4.43	2.103	0.0030	-2.5 to 2.5	Pass
				-30	3.85	4.678	0.0067	-2.5 to 2.5	Pass
				-20	3.85	9.370	0.0134	-2.5 to 2.5	Pass
				-10	3.85	13.061	0.0186	-2.5 to 2.5	Pass
				0	3.85	15.993	0.0228	-2.5 to 2.5	Pass
				10	3.85	17.910	0.0256	-2.5 to 2.5	Pass
				30	3.85	19.255	0.0275	-2.5 to 2.5	Pass
				40	3.85	19.841	0.0283	-2.5 to 2.5	Pass
				50	3.85	21.701	0.0310	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-2.789	-0.0039	-2.5 to 2.5	Pass
					3.85	-4.935	-0.0070	-2.5 to 2.5	Pass
					4.43	0.501	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.131	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-2.389	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-3.262	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-3.676	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-4.492	-0.0063	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	0.057	0.0001	-2.5 to 2.5	Pass
					3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.386	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.674	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-14.420	-0.0202	-2.5 to 2.5	Pass
				0	3.85	-11.959	-0.0167	-2.5 to 2.5	Pass
				10	3.85	-7.596	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-3.934	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	24.390	0.0348	-2.5 to 2.5	Pass
					3.85	32.115	0.0458	-2.5 to 2.5	Pass
					4.43	31.028	0.0443	-2.5 to 2.5	Pass
				-30	3.85	28.911	0.0413	-2.5 to 2.5	Pass
				-20	3.85	27.108	0.0387	-2.5 to 2.5	Pass
				-10	3.85	25.792	0.0368	-2.5 to 2.5	Pass
				0	3.85	24.719	0.0353	-2.5 to 2.5	Pass
				10	3.85	24.061	0.0343	-2.5 to 2.5	Pass
				30	3.85	23.589	0.0337	-2.5 to 2.5	Pass
				40	3.85	23.003	0.0328	-2.5 to 2.5	Pass
				50	3.85	22.831	0.0326	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-4.506	-0.0064	-2.5 to 2.5	Pass
					3.85	-3.576	-0.0051	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-3.905	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-5.808	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-6.337	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-7.038	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0102	-2.5 to 2.5	Pass

	714.5	15	0	20	3.27	1.273	0.0018	-2.5 to 2.5	Pass
					3.85	15.407	0.0216	-2.5 to 2.5	Pass
					4.43	14.606	0.0204	-2.5 to 2.5	Pass
				-30	3.85	11.659	0.0163	-2.5 to 2.5	Pass
				-20	3.85	9.713	0.0136	-2.5 to 2.5	Pass
				-10	3.85	8.011	0.0112	-2.5 to 2.5	Pass
				0	3.85	6.752	0.0094	-2.5 to 2.5	Pass
				10	3.85	5.951	0.0083	-2.5 to 2.5	Pass
				30	3.85	4.978	0.0070	-2.5 to 2.5	Pass
				40	3.85	4.835	0.0068	-2.5 to 2.5	Pass
				50	3.85	4.263	0.0060	-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	3.27	3.948	0.0056	-2.5 to 2.5	Pass
					3.85	7.567	0.0108	-2.5 to 2.5	Pass
					4.43	10.815	0.0154	-2.5 to 2.5	Pass
				-30	3.85	12.674	0.0181	-2.5 to 2.5	Pass
				-20	3.85	14.591	0.0208	-2.5 to 2.5	Pass
				-10	3.85	15.535	0.0221	-2.5 to 2.5	Pass
				0	3.85	16.065	0.0229	-2.5 to 2.5	Pass
				10	3.85	17.080	0.0243	-2.5 to 2.5	Pass
				30	3.85	17.424	0.0248	-2.5 to 2.5	Pass
				40	3.85	17.509	0.0250	-2.5 to 2.5	Pass
				50	3.85	17.710	0.0252	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	0.186	0.0003	-2.5 to 2.5	Pass
					3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
					4.43	-4.520	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-4.306	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-3.834	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-3.476	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-3.519	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-3.648	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-4.263	-0.0060	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	1.287	0.0018	-2.5 to 2.5	Pass
					3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.531	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-3.576	-0.0050	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	16.479	0.0235	-2.5 to 2.5	Pass
					3.85	9.785	0.0139	-2.5 to 2.5	Pass
					4.43	11.773	0.0168	-2.5 to 2.5	Pass
				-30	3.85	14.319	0.0204	-2.5 to 2.5	Pass
				-20	3.85	12.774	0.0182	-2.5 to 2.5	Pass
				-10	3.85	13.490	0.0192	-2.5 to 2.5	Pass

				0	3.85	15.121	0.0216	-2.5 to 2.5	Pass
				10	3.85	17.109	0.0244	-2.5 to 2.5	Pass
				30	3.85	18.096	0.0258	-2.5 to 2.5	Pass
				40	3.85	19.498	0.0278	-2.5 to 2.5	Pass
				50	3.85	20.227	0.0288	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-4.249	-0.0060	-2.5 to 2.5	Pass
					3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
					4.43	5.736	0.0081	-2.5 to 2.5	Pass
				-30	3.85	2.990	0.0042	-2.5 to 2.5	Pass
				-20	3.85	0.529	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-3.676	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-5.164	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-6.151	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-7.367	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-7.968	-0.0113	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-3.877	-0.0054	-2.5 to 2.5	Pass
					3.85	-4.106	-0.0058	-2.5 to 2.5	Pass
					4.43	-4.206	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-4.764	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-4.592	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-4.978	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-5.379	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-5.393	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-5.307	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-5.178	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-5.279	-0.0074	-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	3.27	-5.665	-0.0080	-2.5 to 2.5	Pass
					3.85	-7.210	-0.0102	-2.5 to 2.5	Pass
					4.43	-7.353	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-7.353	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-7.253	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-8.426	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-8.955	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-8.154	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-7.882	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-7.181	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-8.812	-0.0125	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-2.875	-0.0041	-2.5 to 2.5	Pass
					3.85	-8.984	-0.0127	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	3.963	0.0056	-2.5 to 2.5	Pass
				-10	3.85	6.824	0.0096	-2.5 to 2.5	Pass
				0	3.85	4.220	0.0060	-2.5 to 2.5	Pass
				10	3.85	1.702	0.0024	-2.5 to 2.5	Pass
				30	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.588	-0.0022	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.875	-0.0040	-2.5 to 2.5	Pass

					3.85	-4.148	-0.0058	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-4.950	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-4.678	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-3.705	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-3.233	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-2.275	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.531	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.788	-0.0025	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-17.323	-0.0246	-2.5 to 2.5	Pass
					3.85	-11.673	-0.0166	-2.5 to 2.5	Pass
					4.43	-8.497	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-6.323	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-4.849	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	5.593	0.0079	-2.5 to 2.5	Pass
				0	3.85	4.907	0.0070	-2.5 to 2.5	Pass
				10	3.85	3.204	0.0046	-2.5 to 2.5	Pass
				30	3.85	1.416	0.0020	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-2.003	-0.0028	-2.5 to 2.5	Pass
					3.85	-1.760	-0.0025	-2.5 to 2.5	Pass
					4.43	-2.503	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-3.562	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-4.263	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-4.778	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-6.194	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-6.123	-0.0087	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-1.588	-0.0022	-2.5 to 2.5	Pass
					3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.815	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.674	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-1.445	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.674	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-1.659	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-2.174	-0.0031	-2.5 to 2.5	Pass

3. Modulation Characteristics

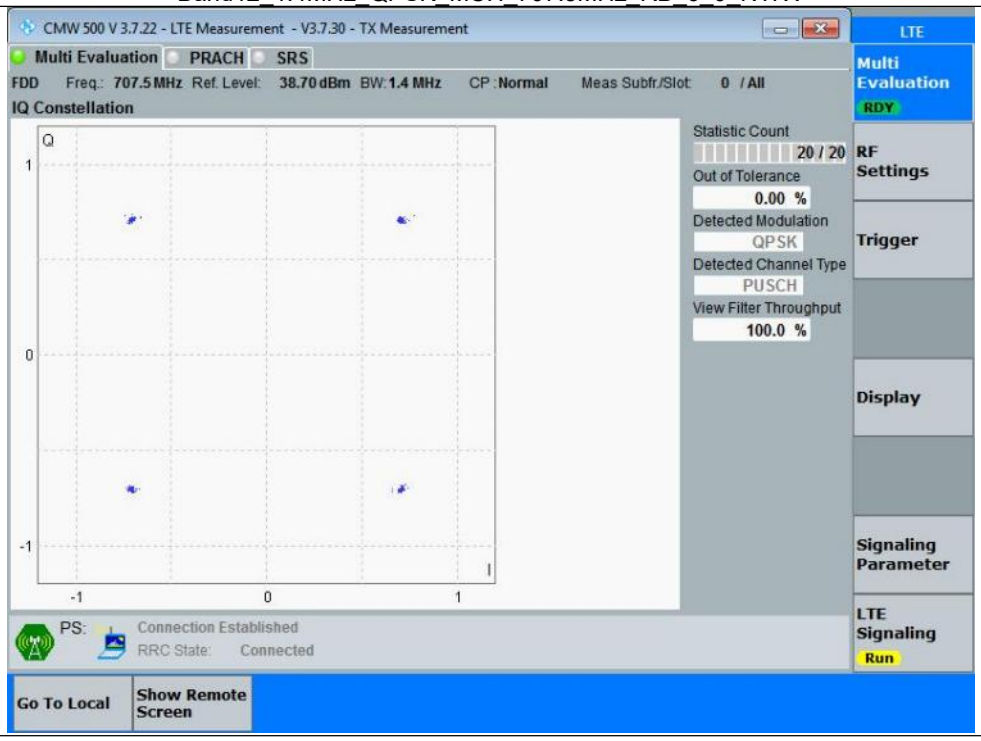
3.1 B12_1.4MHz

3.1.1 Test Result

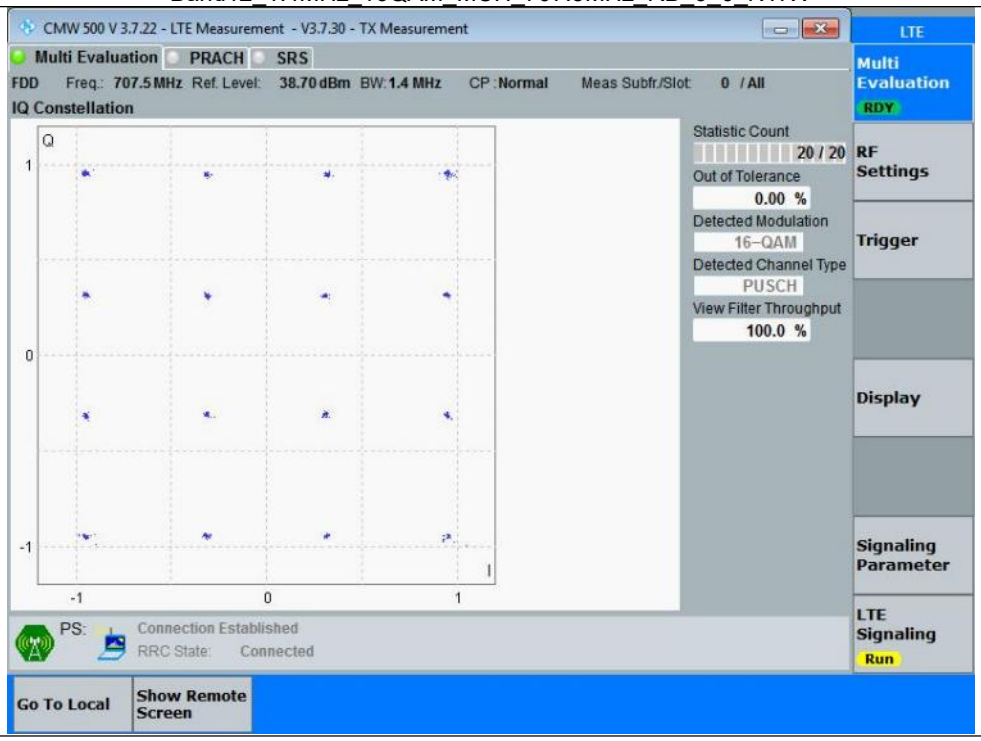
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

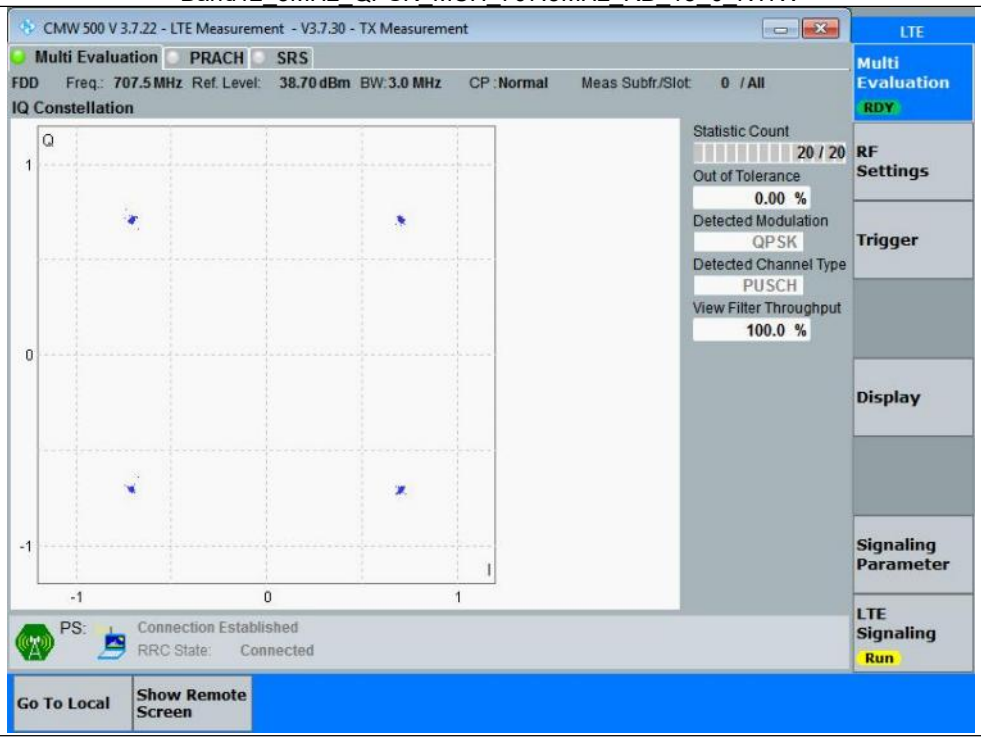
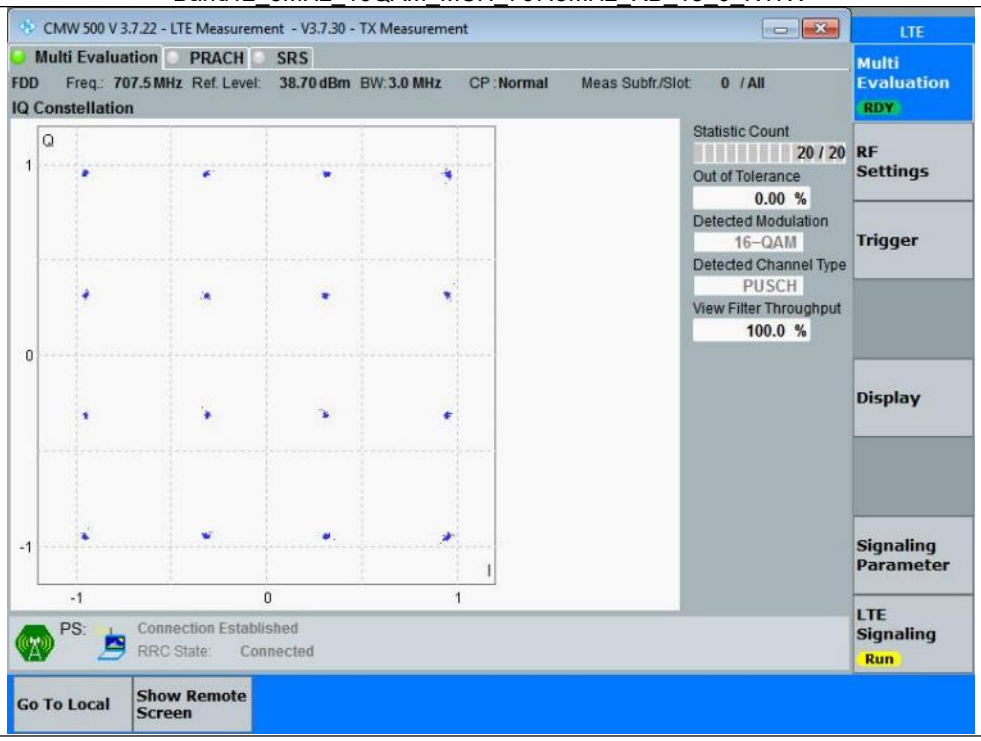


3.2 B12_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph

Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV


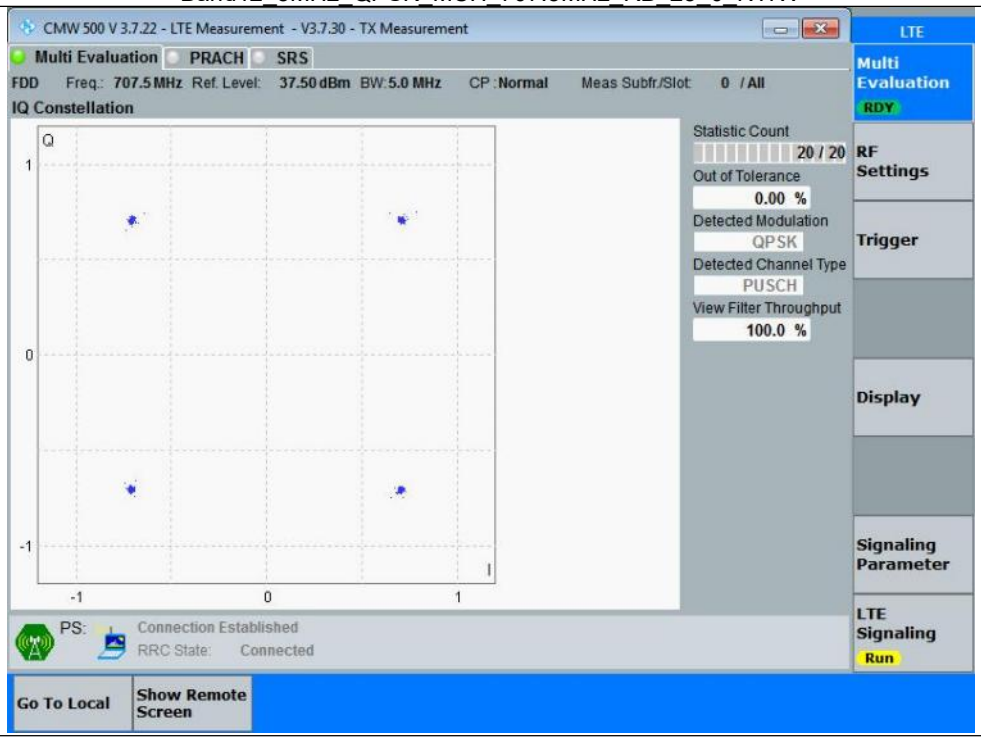
3.3 B12_5MHz

3.3.1 Test Result

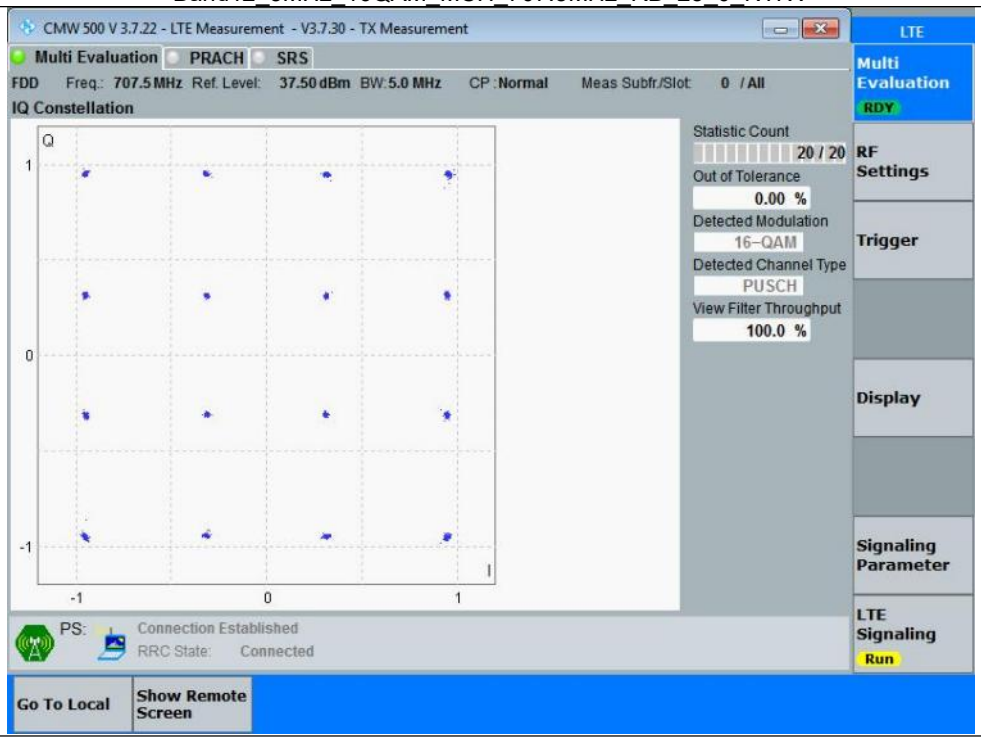
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

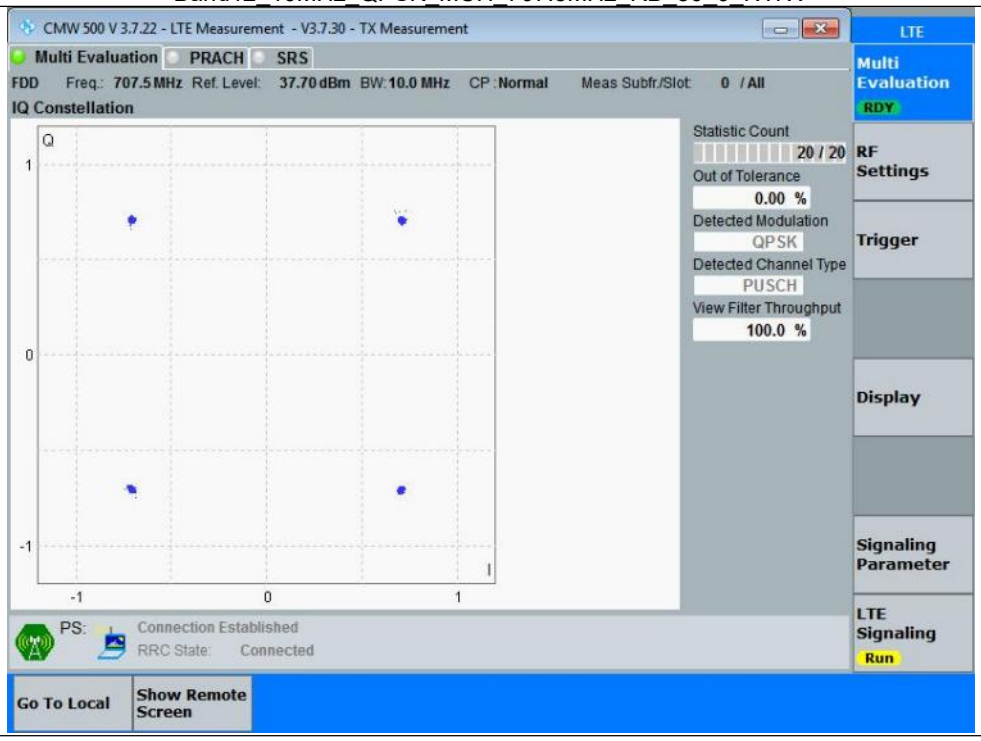
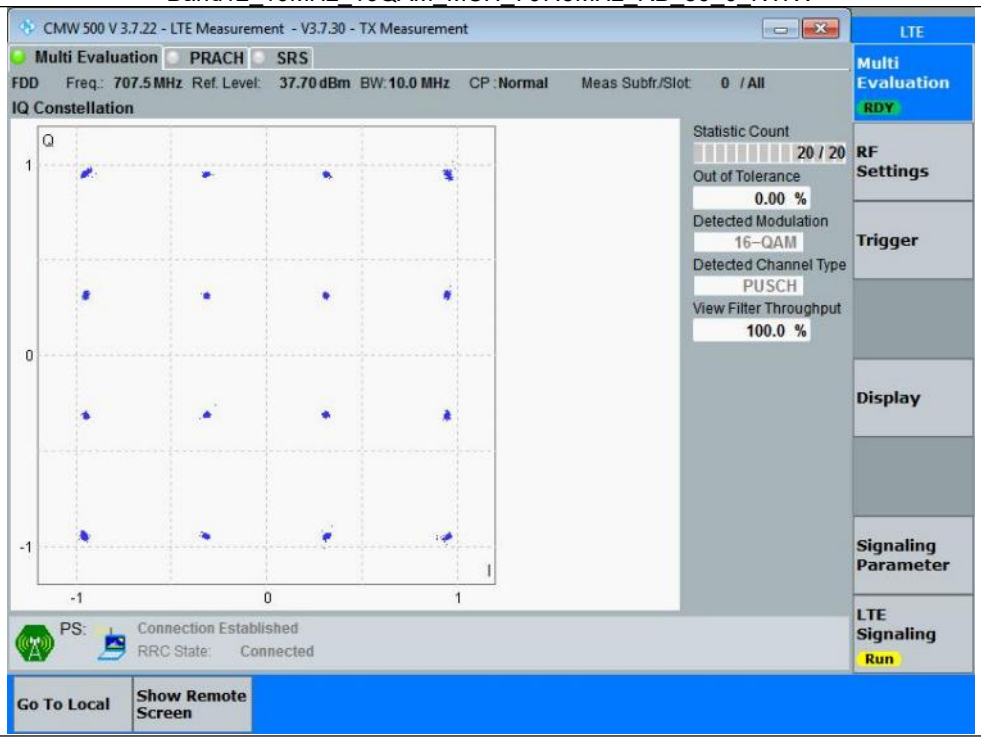


3.4 B12_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV


4. 99% & 26dB Bandwidth

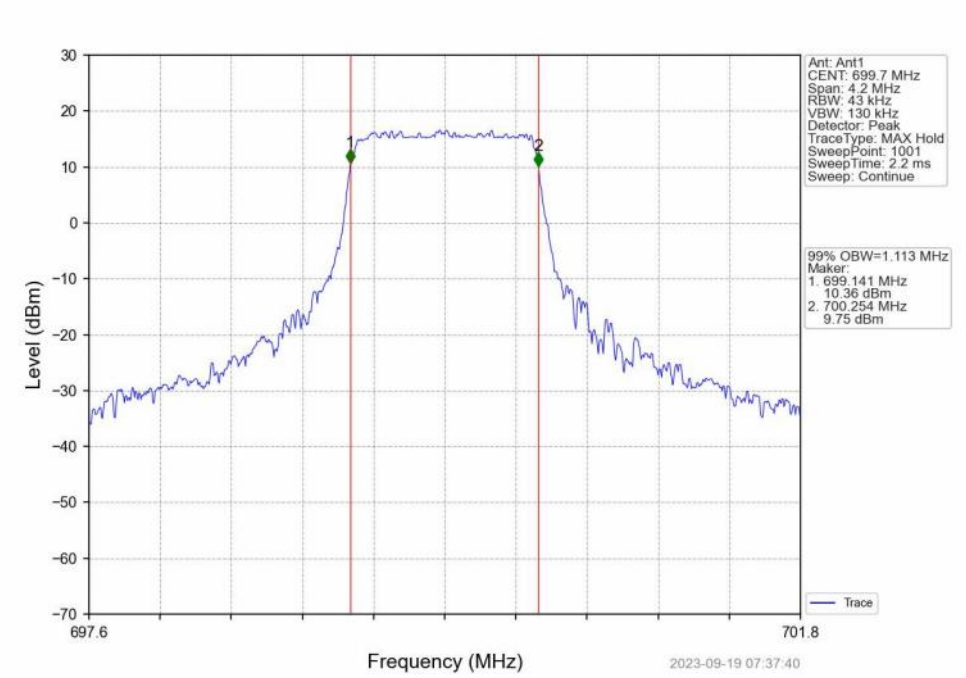
4.1 Band12_OBW

4.1.1 Test Result

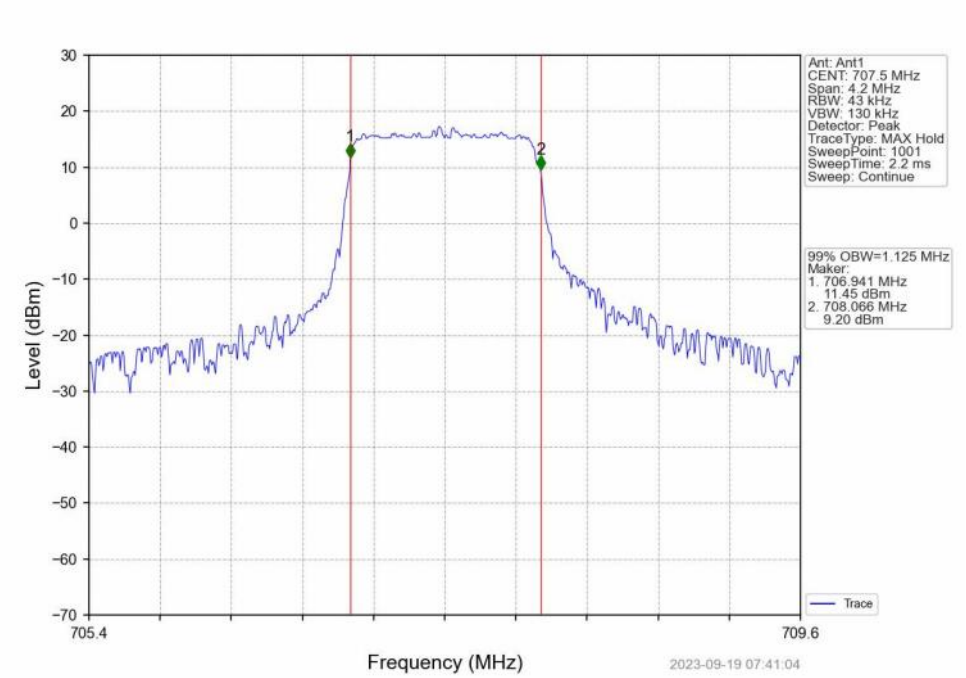
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.113	Pass
		707.5	6	0	1.125	Pass
		715.3	6	0	1.111	Pass
	16QAM	699.7	6	0	1.118	Pass
		707.5	6	0	1.132	Pass
		715.3	6	0	1.120	Pass
3	QPSK	700.5	15	0	2.768	Pass
		707.5	15	0	2.775	Pass
		714.5	15	0	2.772	Pass
	16QAM	700.5	15	0	2.798	Pass
		707.5	15	0	2.775	Pass
		714.5	15	0	2.772	Pass
5	QPSK	701.5	25	0	4.562	Pass
		707.5	25	0	4.570	Pass
		713.5	25	0	4.604	Pass
	16QAM	701.5	25	0	4.592	Pass
		707.5	25	0	4.621	Pass
		713.5	25	0	4.575	Pass
10	QPSK	704	50	0	9.094	Pass
		707.5	50	0	9.048	Pass
		711	50	0	9.077	Pass
	16QAM	704	50	0	9.054	Pass
		707.5	50	0	9.076	Pass
		711	50	0	9.062	Pass

4.1.2 Test Graph

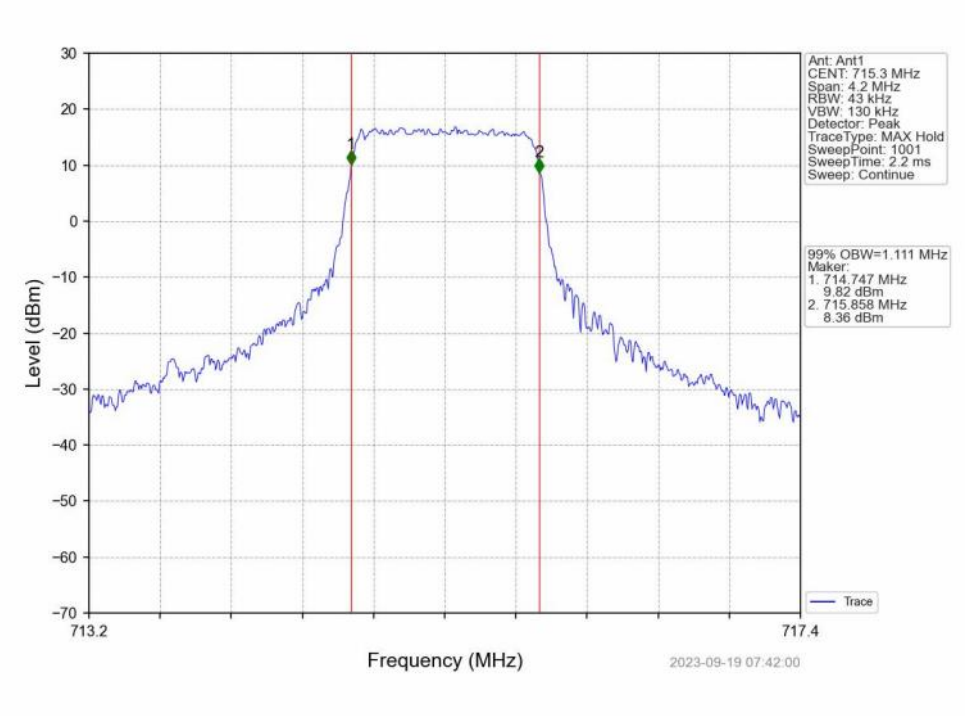
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



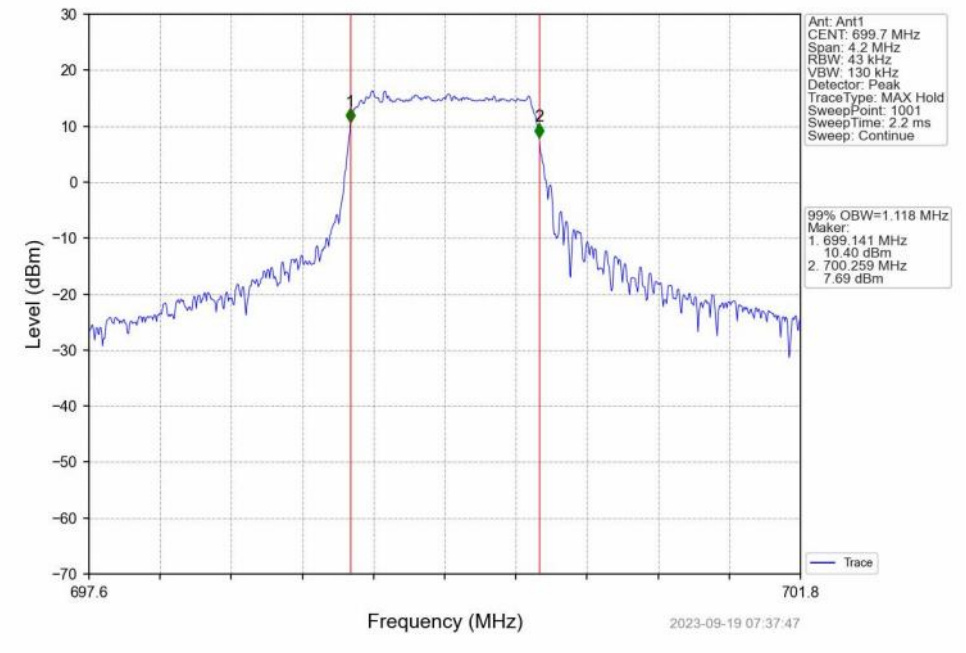
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



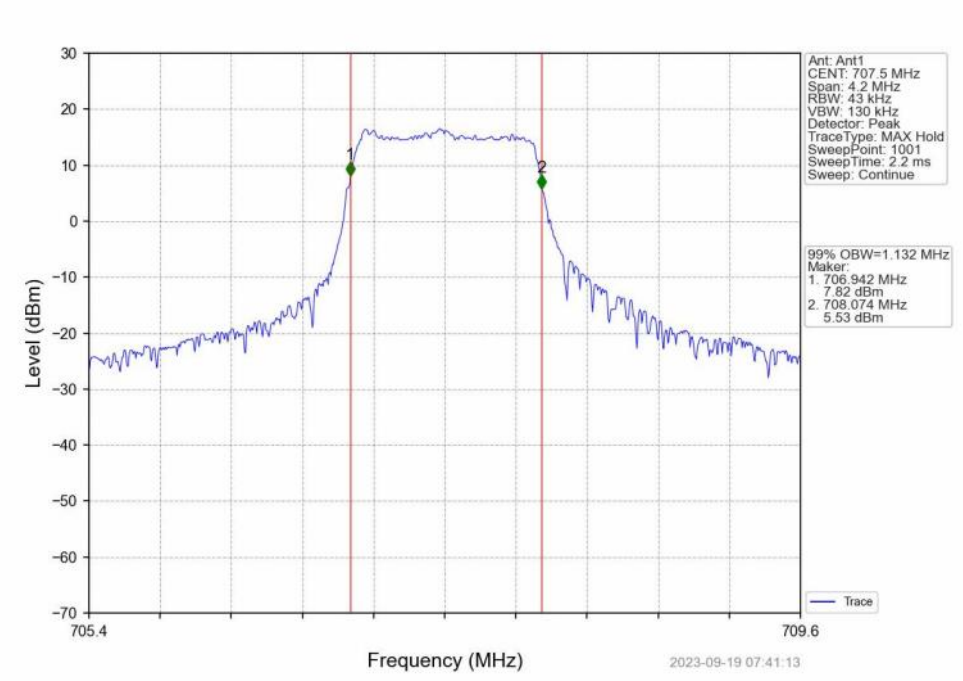
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



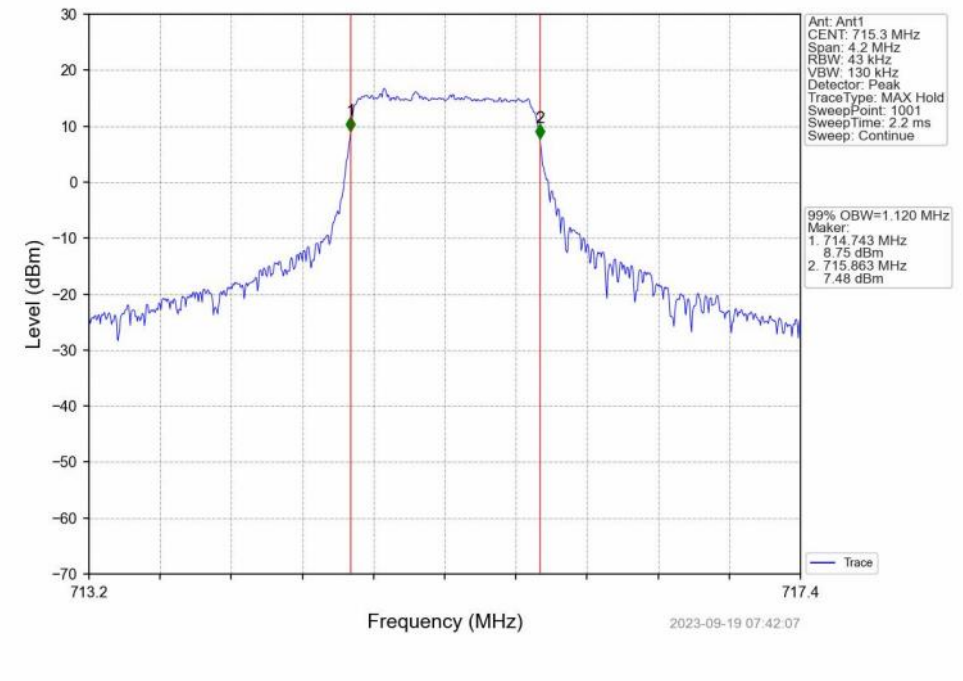
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



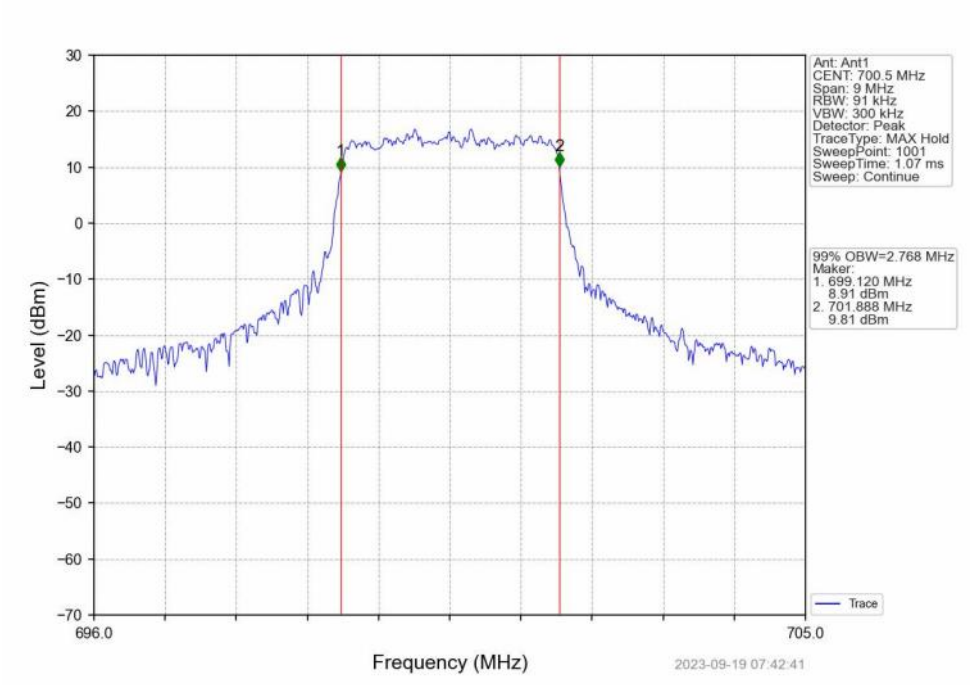
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



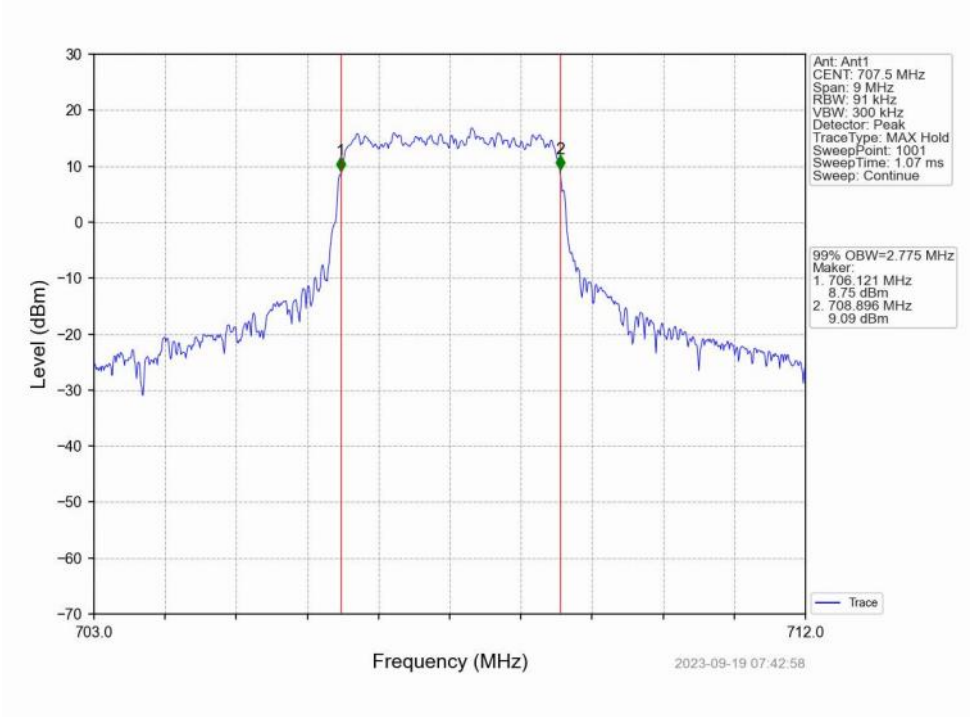
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



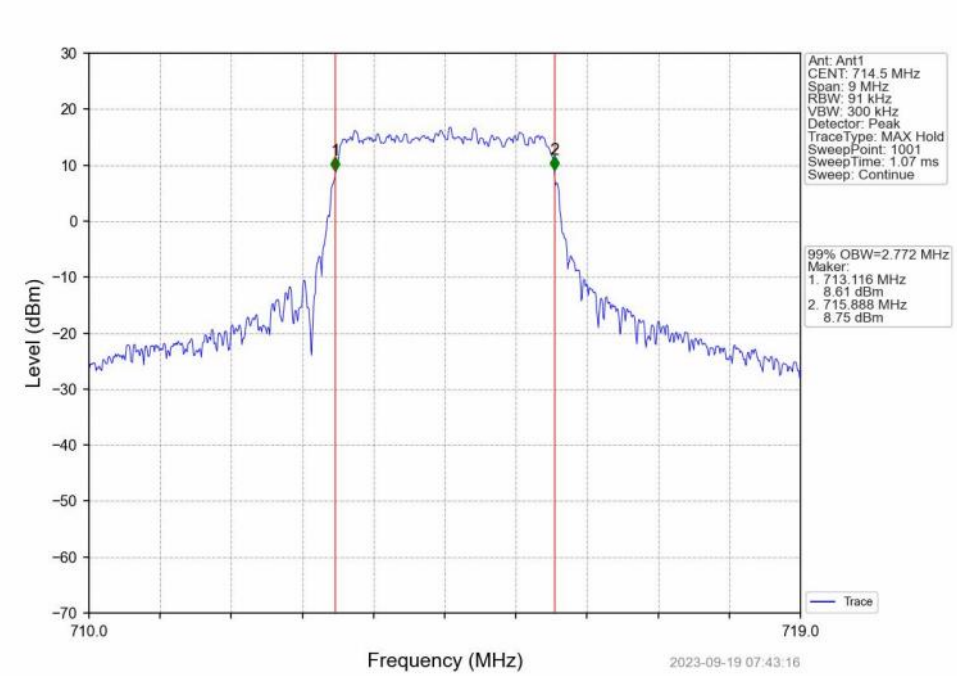
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



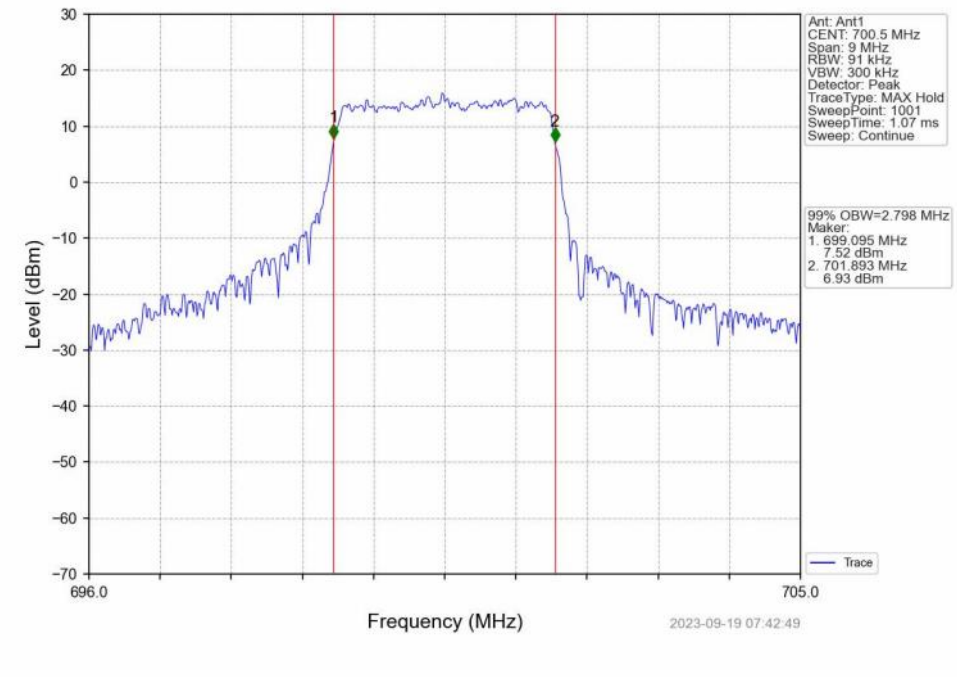
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



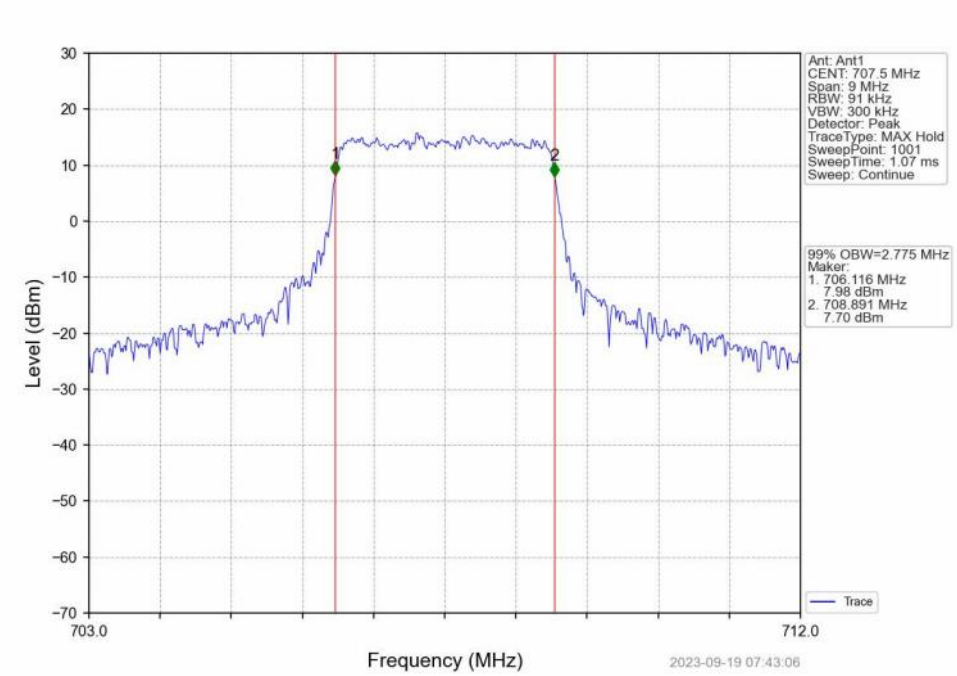
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



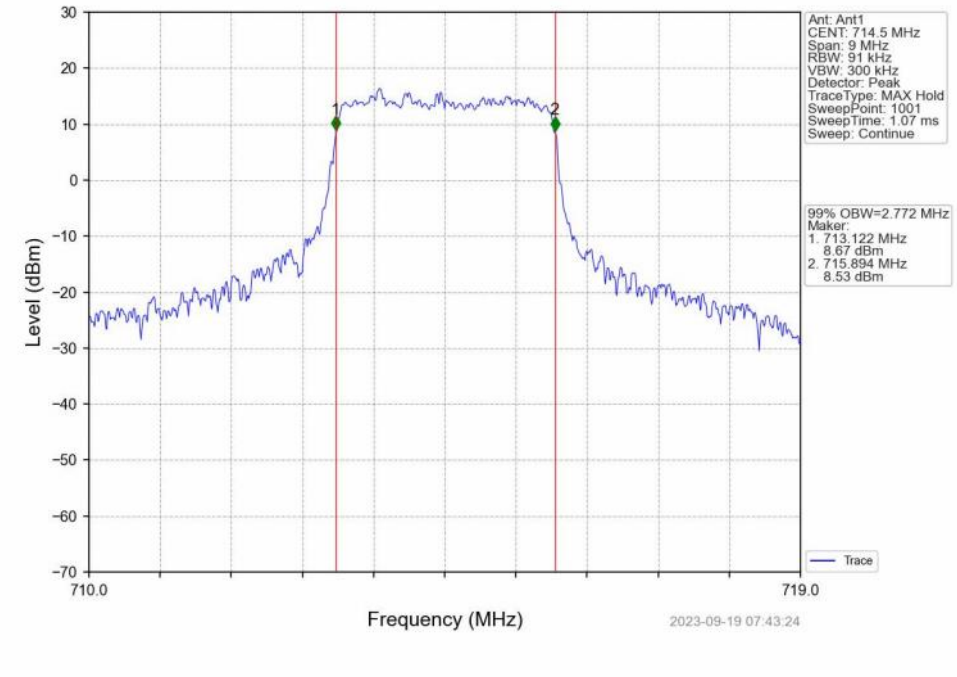
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



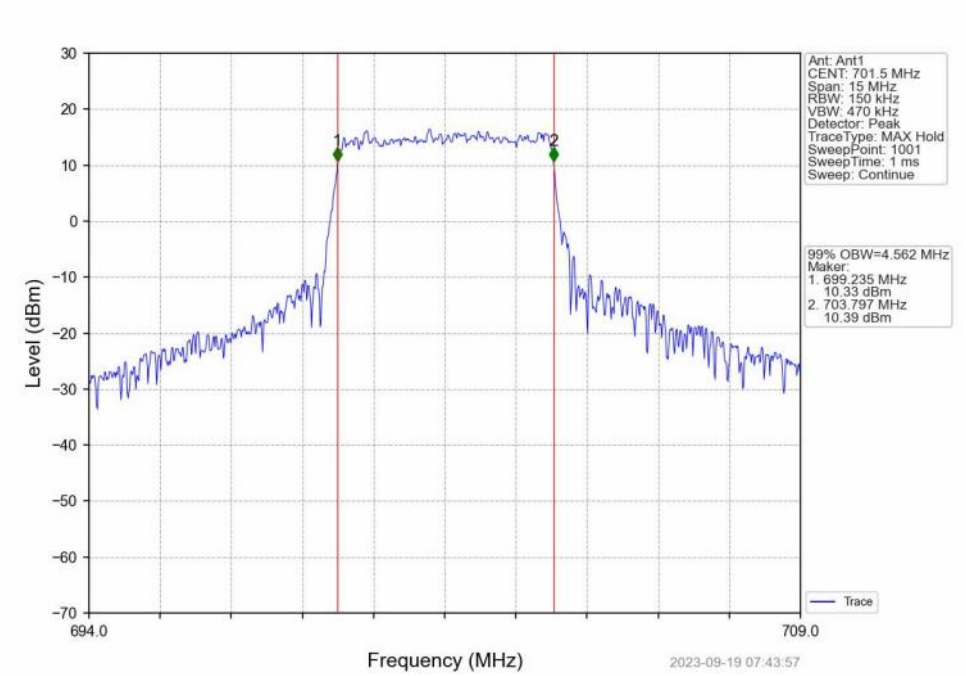
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



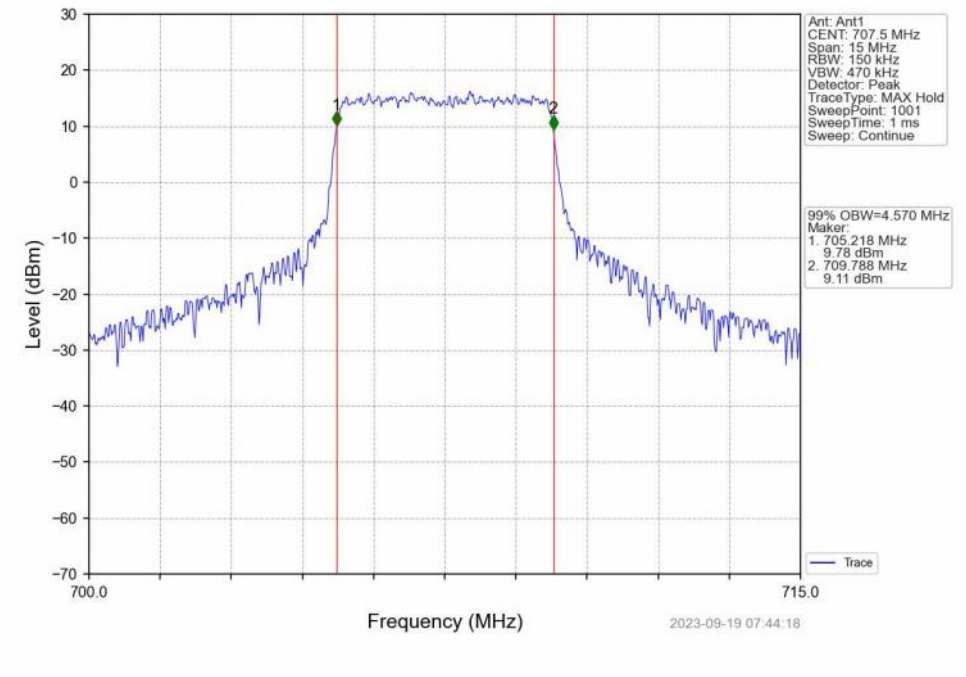
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



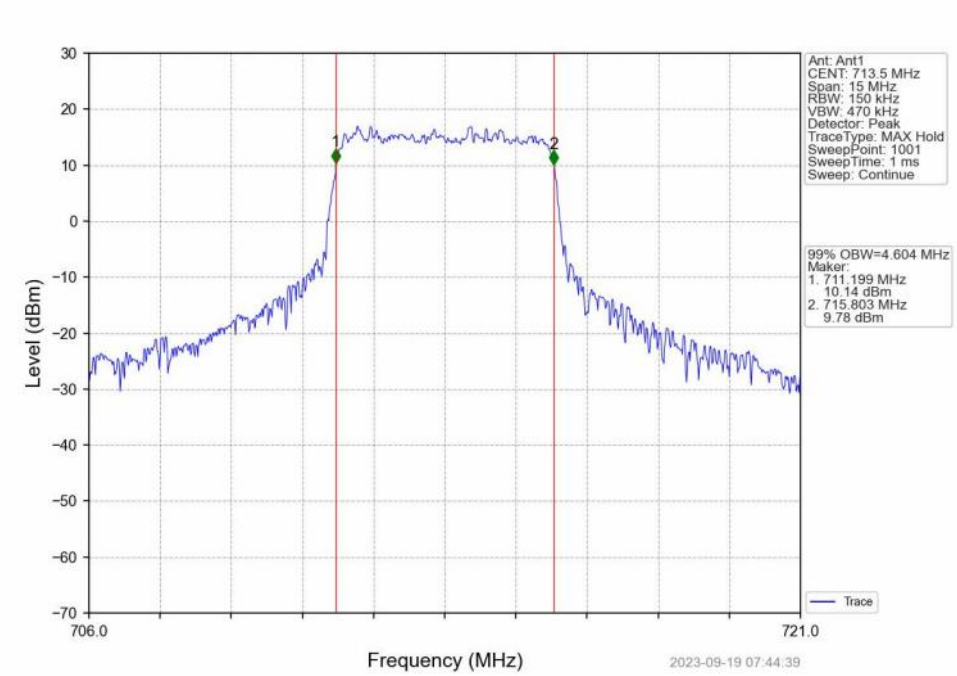
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



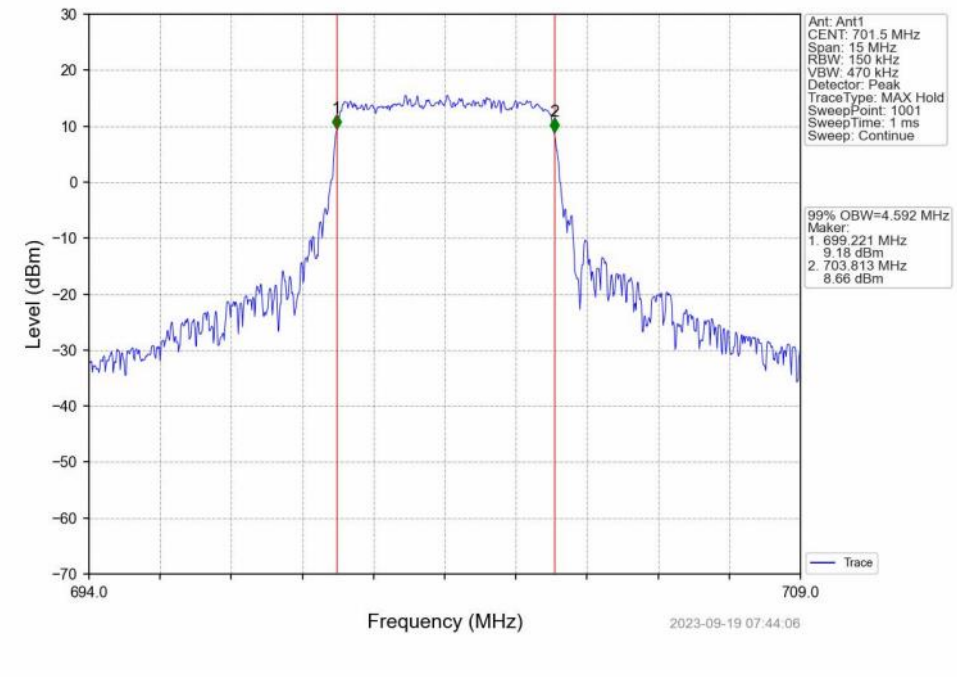
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



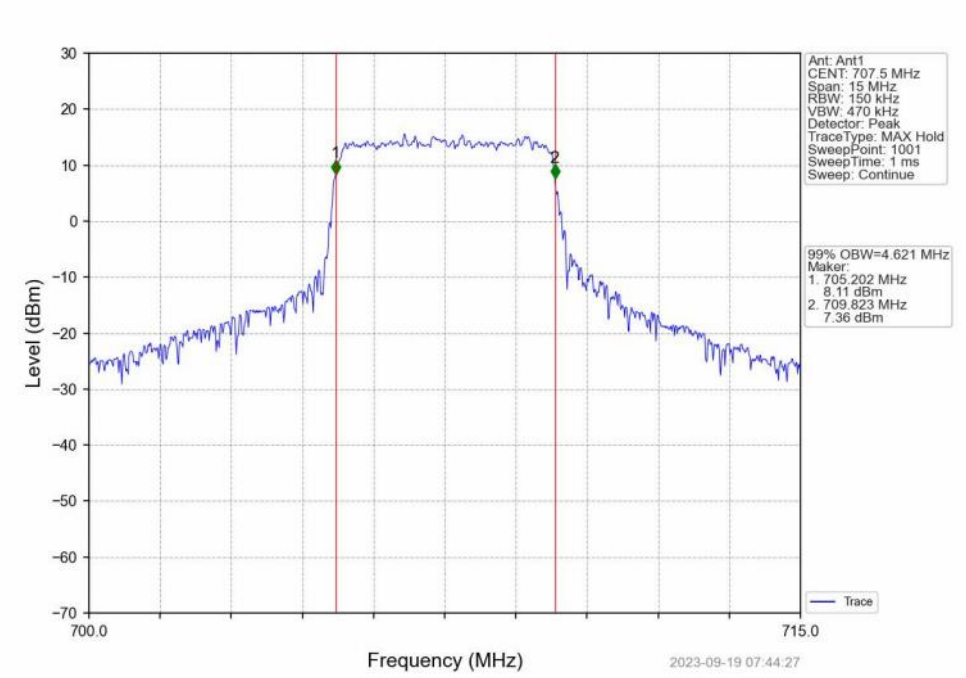
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



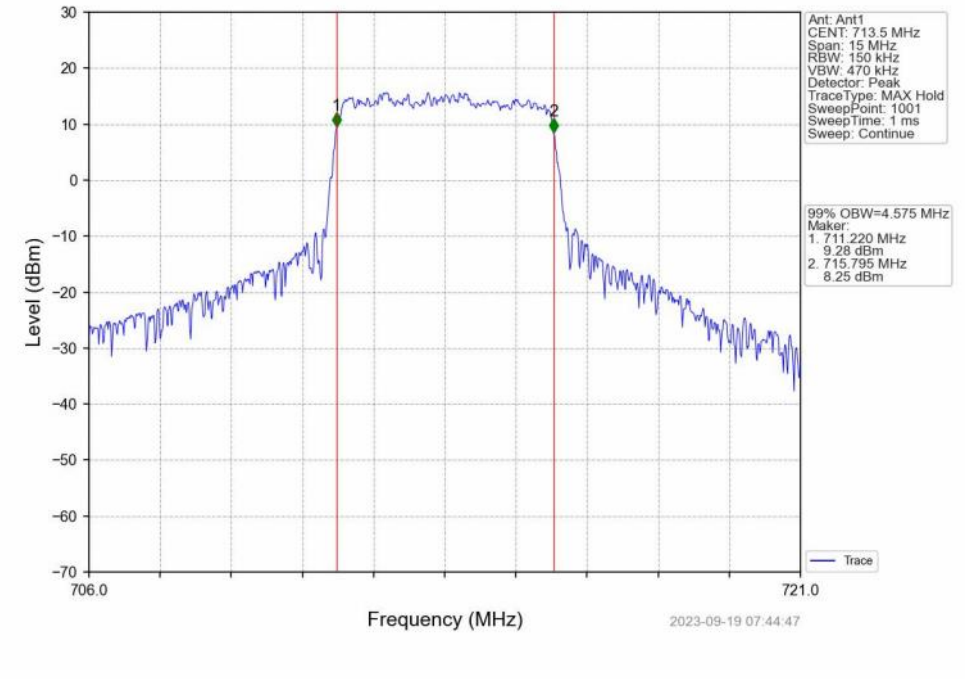
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



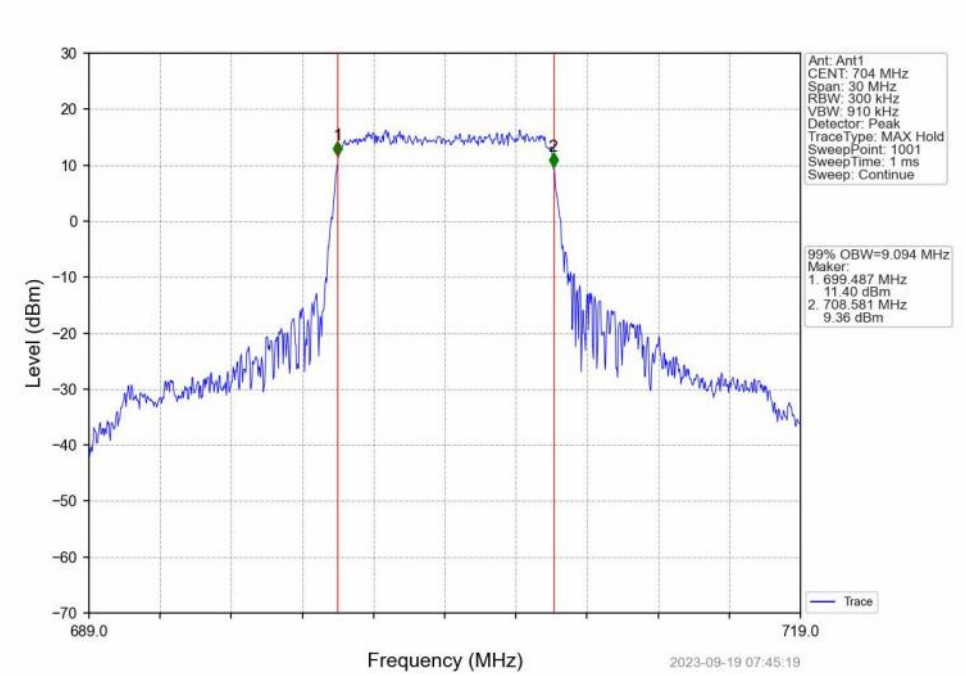
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



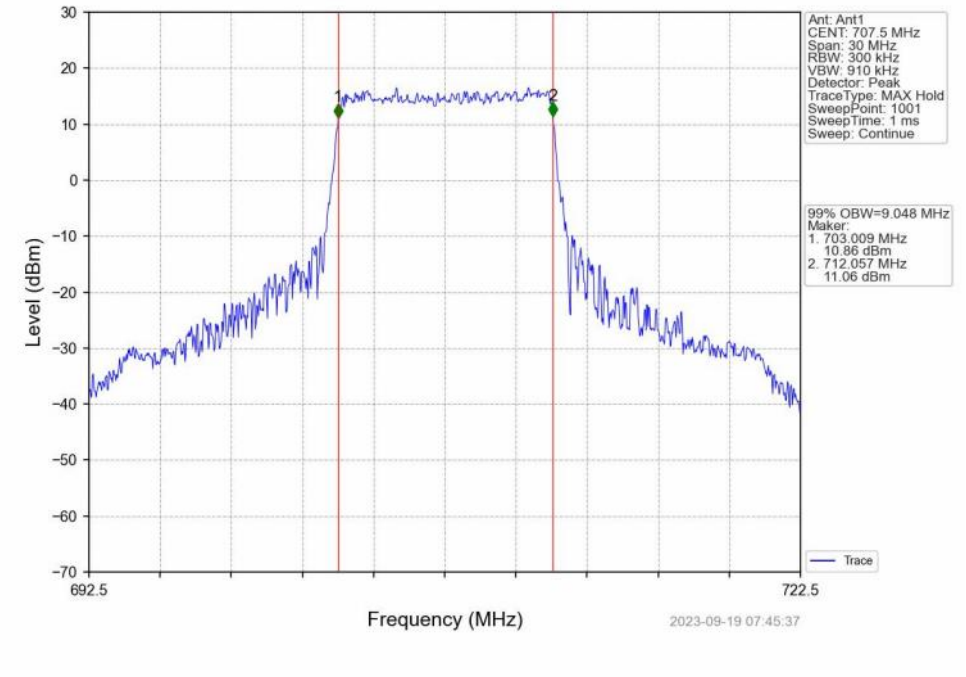
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



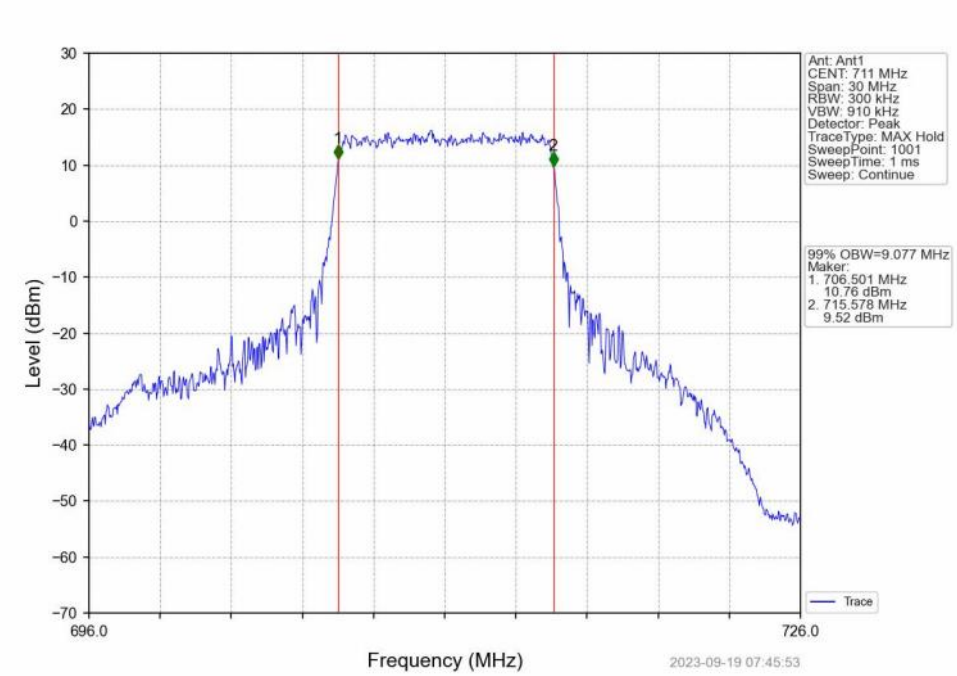
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



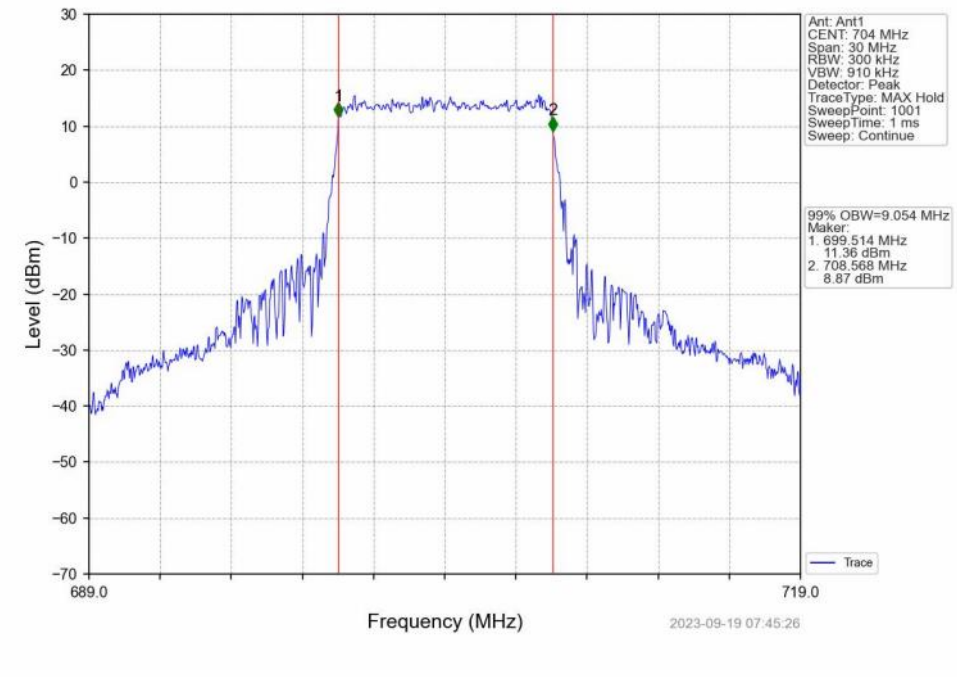
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



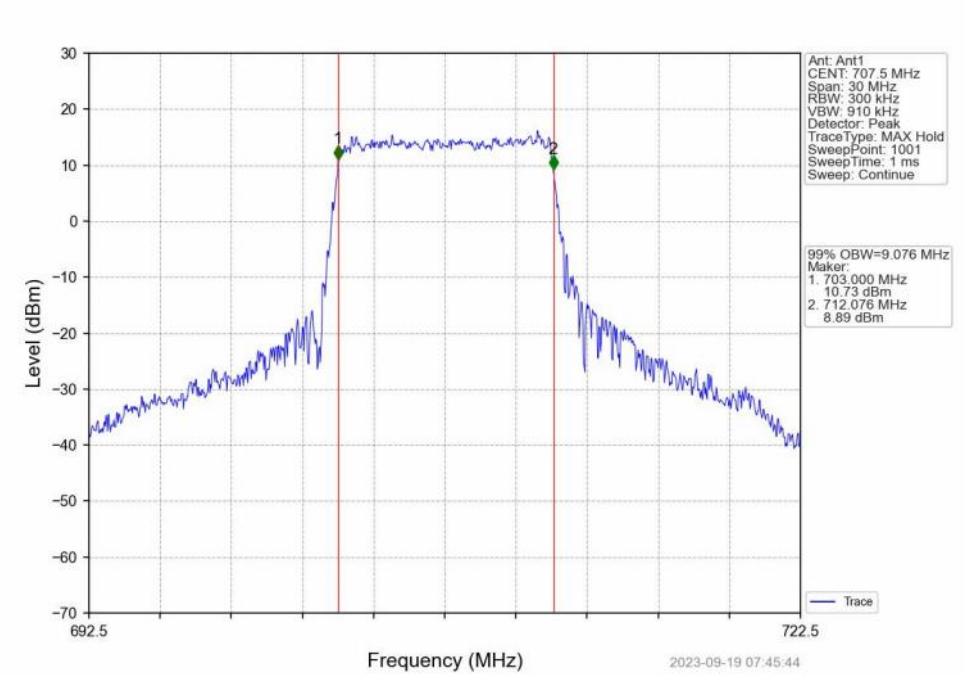
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



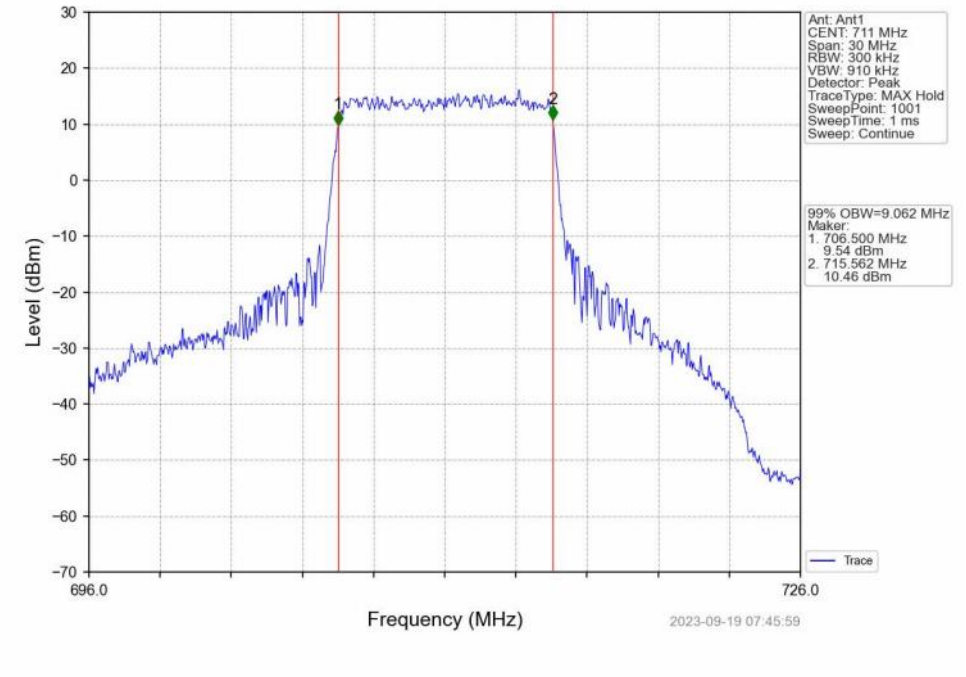
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



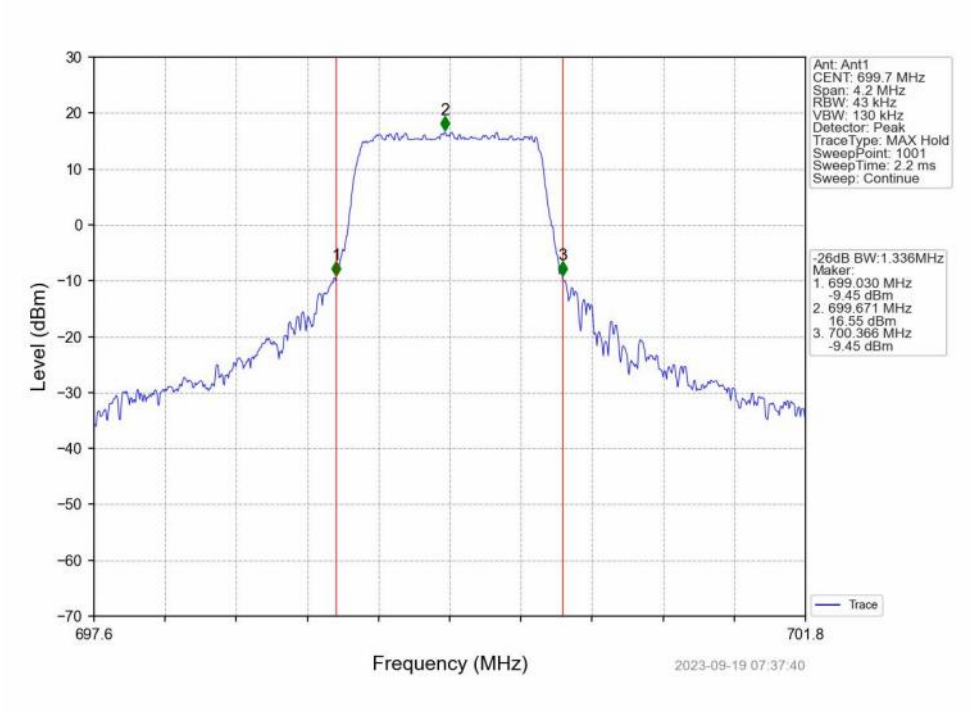
4.2 Band12_XDB

4.2.1 Test Result

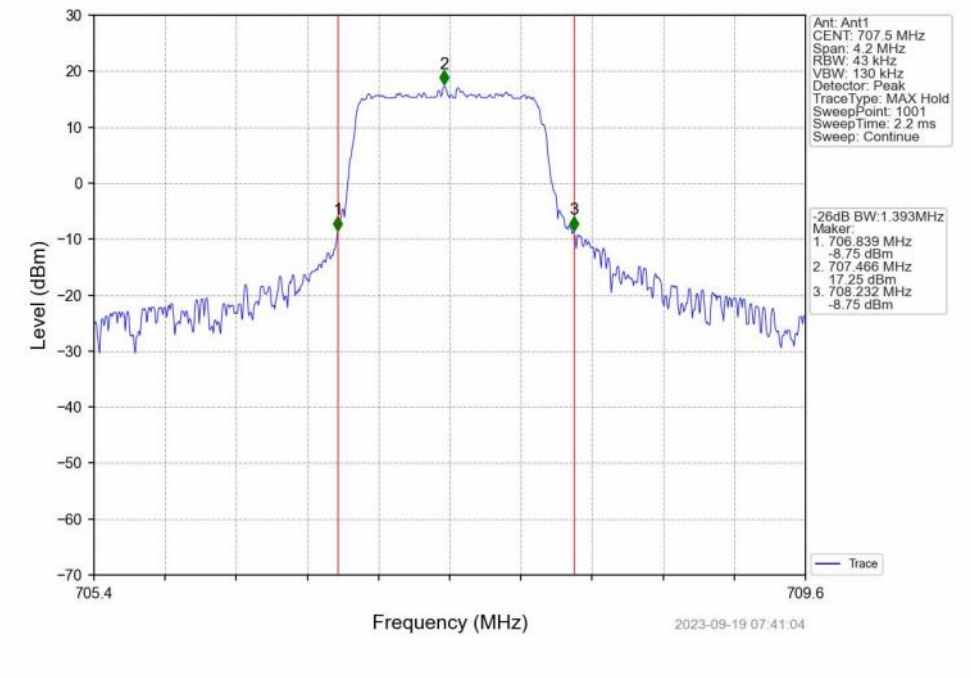
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.336	Pass
		707.5	6	0	1.393	Pass
		715.3	6	0	1.337	Pass
	16QAM	699.7	6	0	1.484	Pass
		707.5	6	0	1.497	Pass
		715.3	6	0	1.464	Pass
3	QPSK	700.5	15	0	3.435	Pass
		707.5	15	0	3.270	Pass
		714.5	15	0	3.333	Pass
	16QAM	700.5	15	0	3.407	Pass
		707.5	15	0	3.463	Pass
		714.5	15	0	3.244	Pass
5	QPSK	701.5	25	0	5.463	Pass
		707.5	25	0	5.630	Pass
		713.5	25	0	5.524	Pass
	16QAM	701.5	25	0	5.817	Pass
		707.5	25	0	5.865	Pass
		713.5	25	0	5.550	Pass
10	QPSK	704	50	0	10.428	Pass
		707.5	50	0	10.195	Pass
		711	50	0	10.350	Pass
	16QAM	704	50	0	10.696	Pass
		707.5	50	0	10.399	Pass
		711	50	0	10.034	Pass

4.2.2 Test Graph

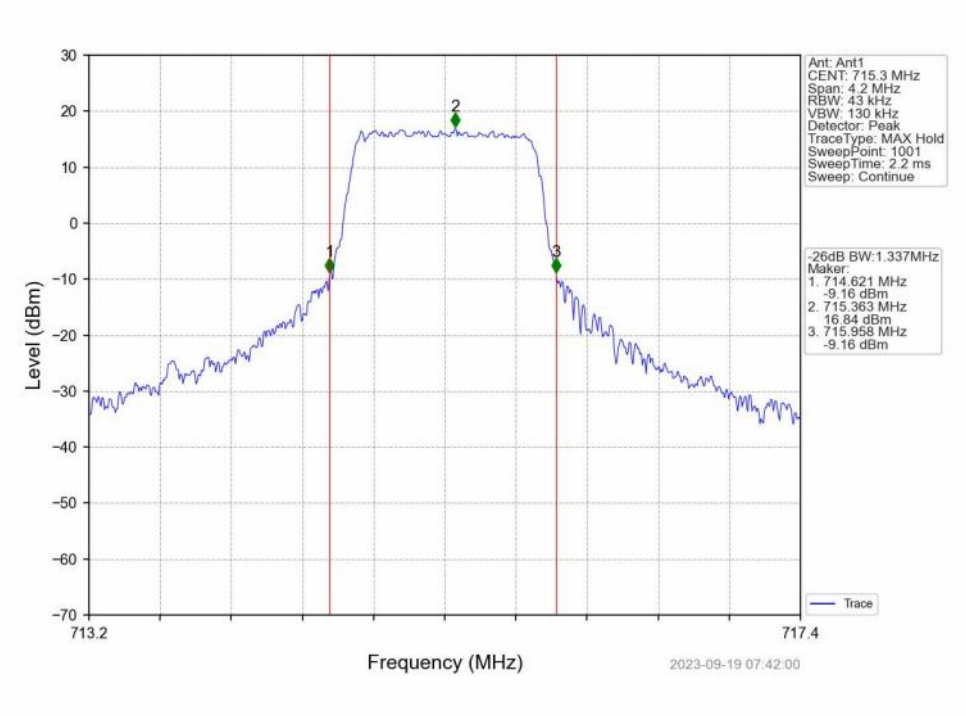
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



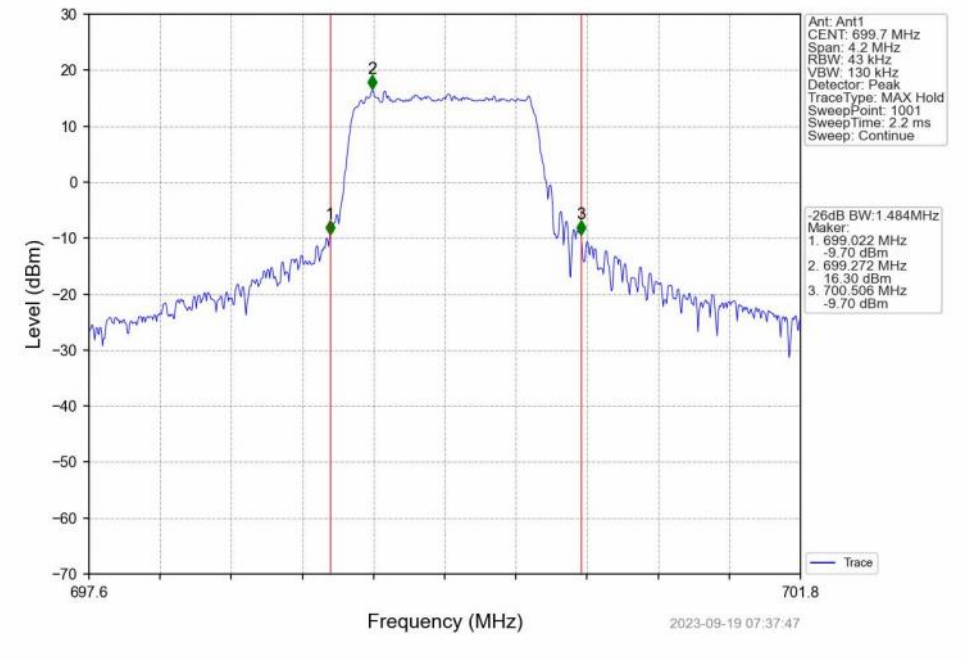
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



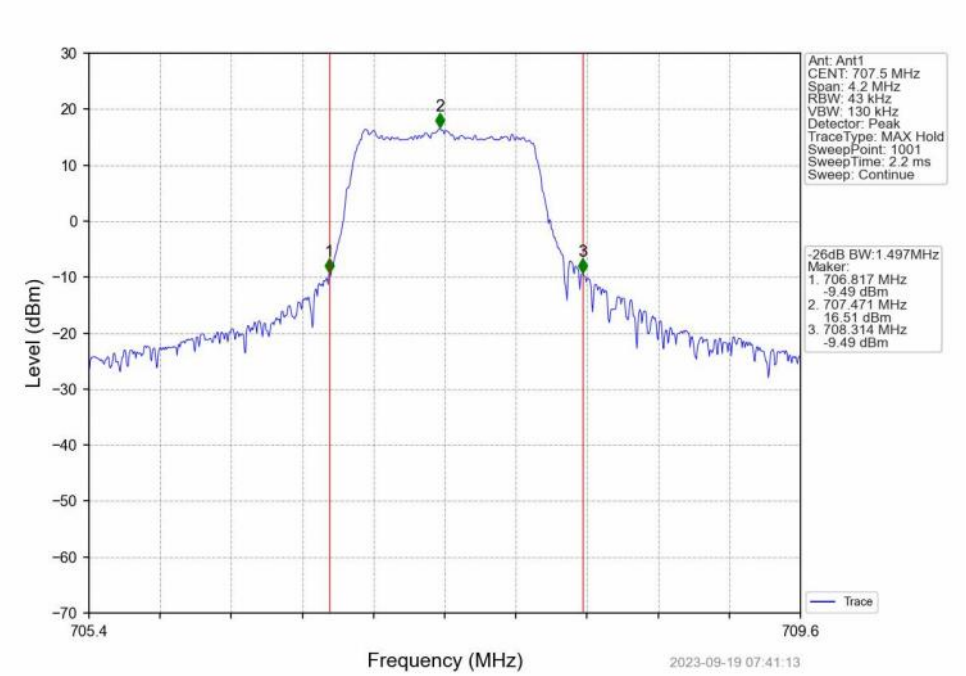
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



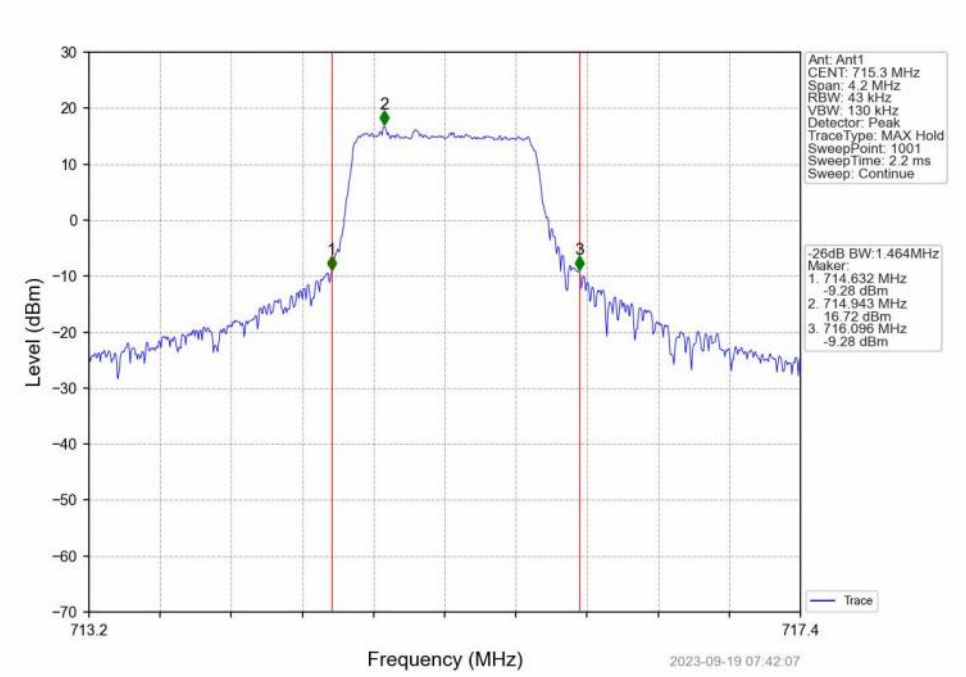
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



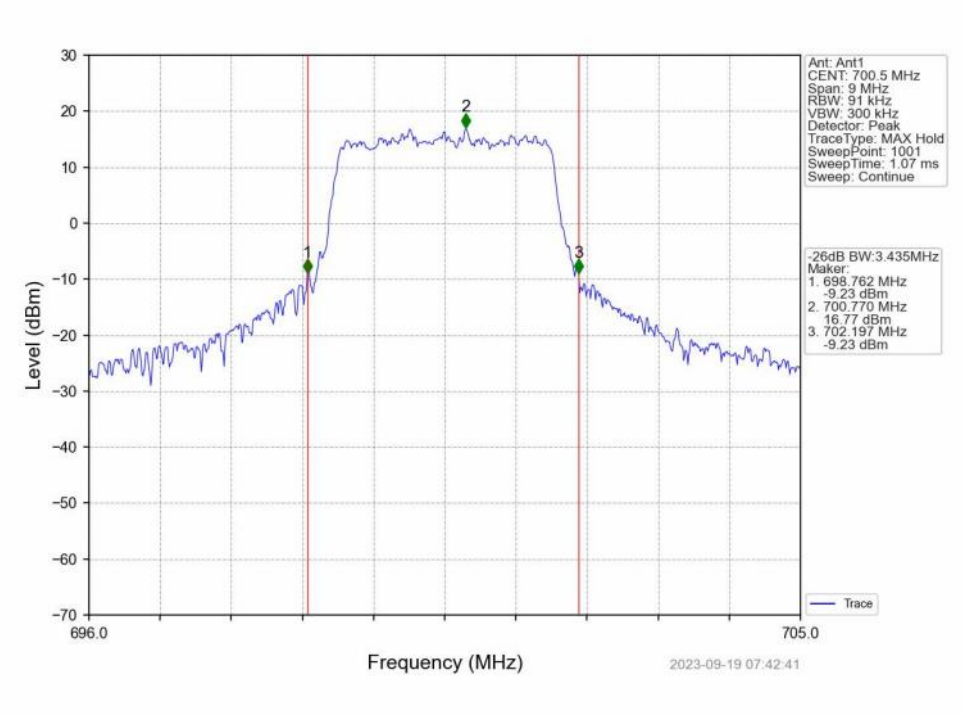
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



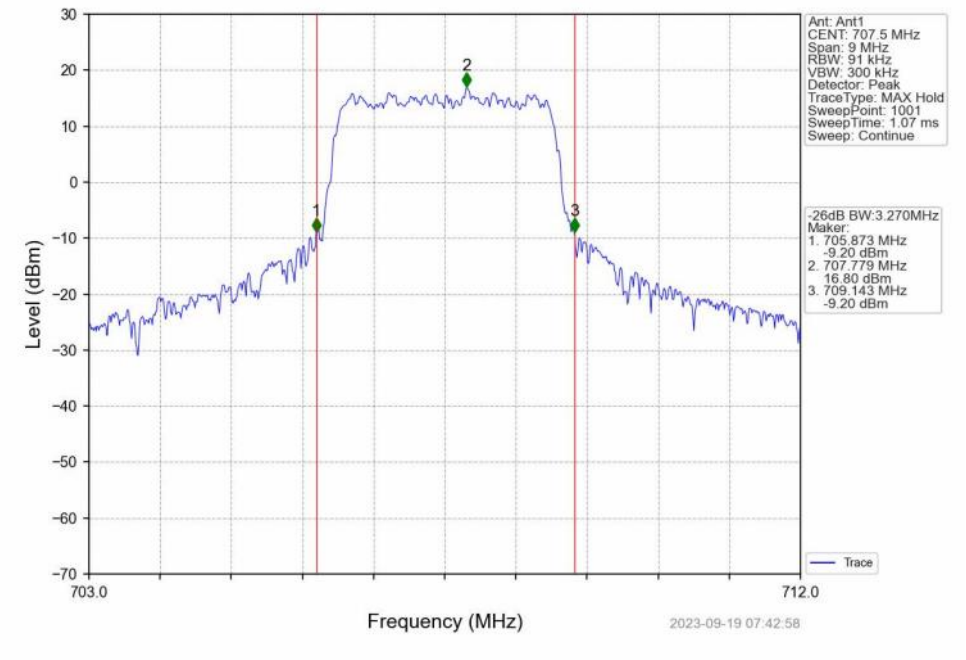
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



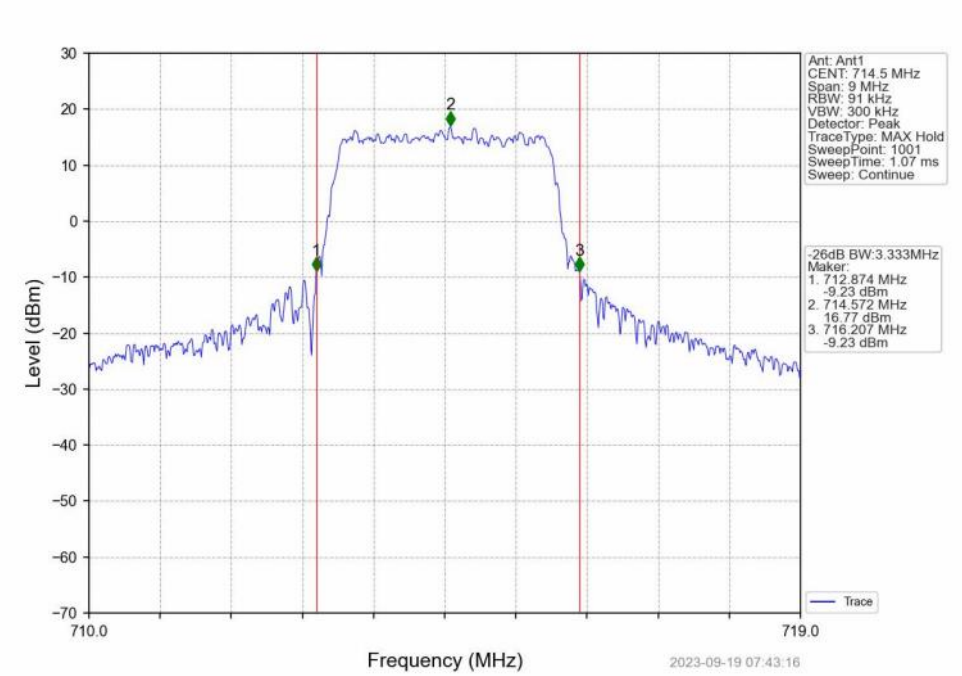
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



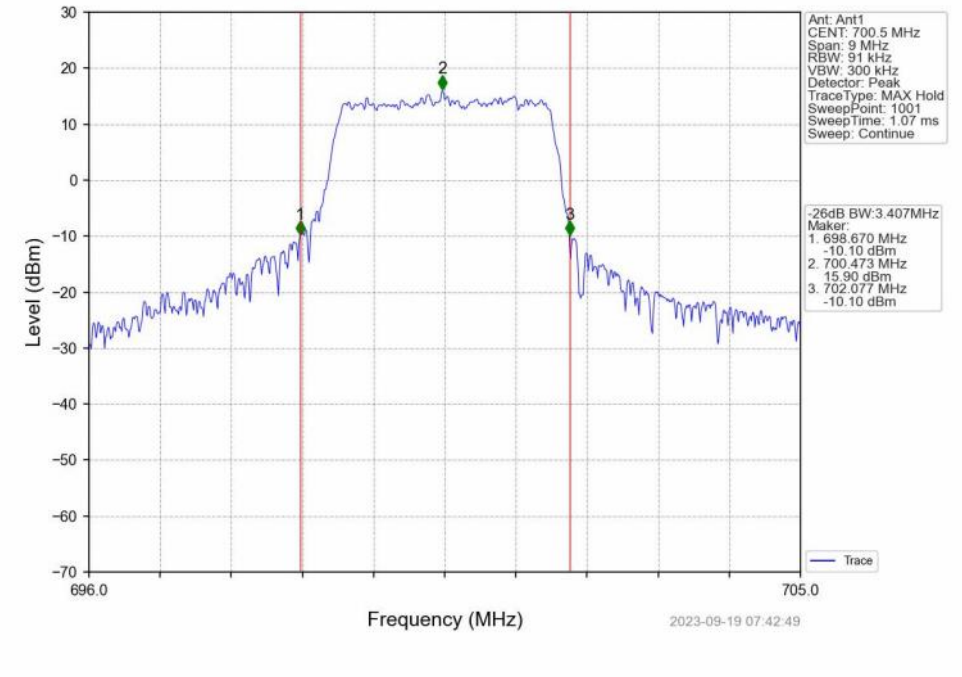
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



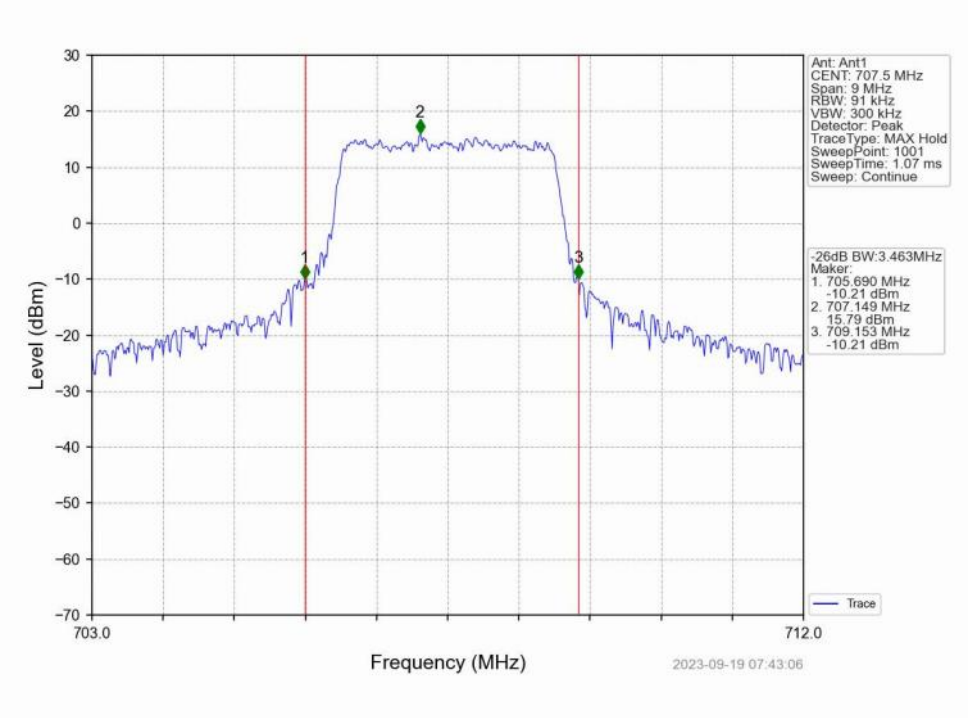
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



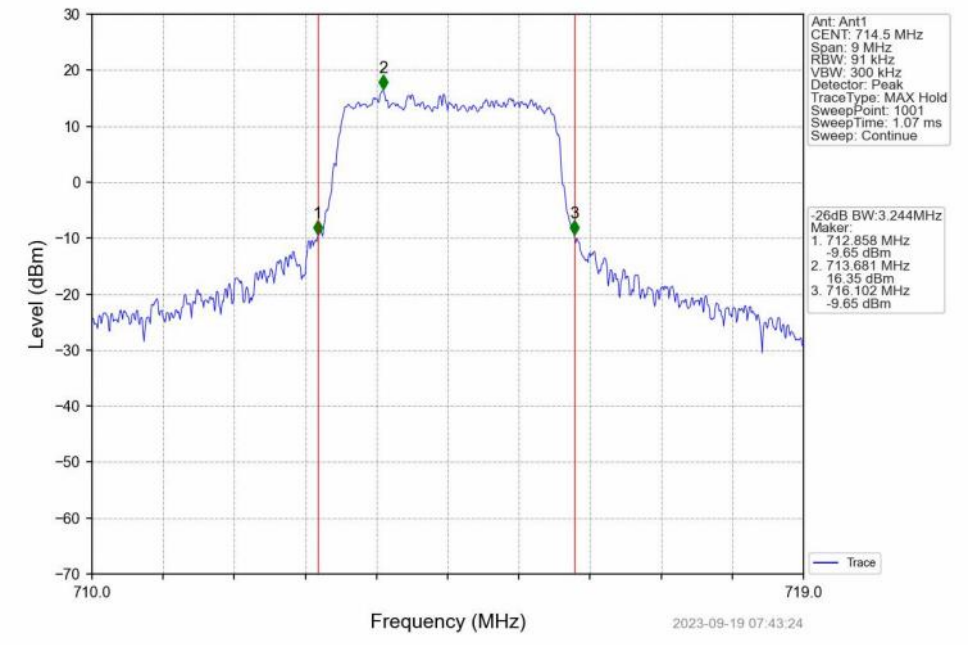
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



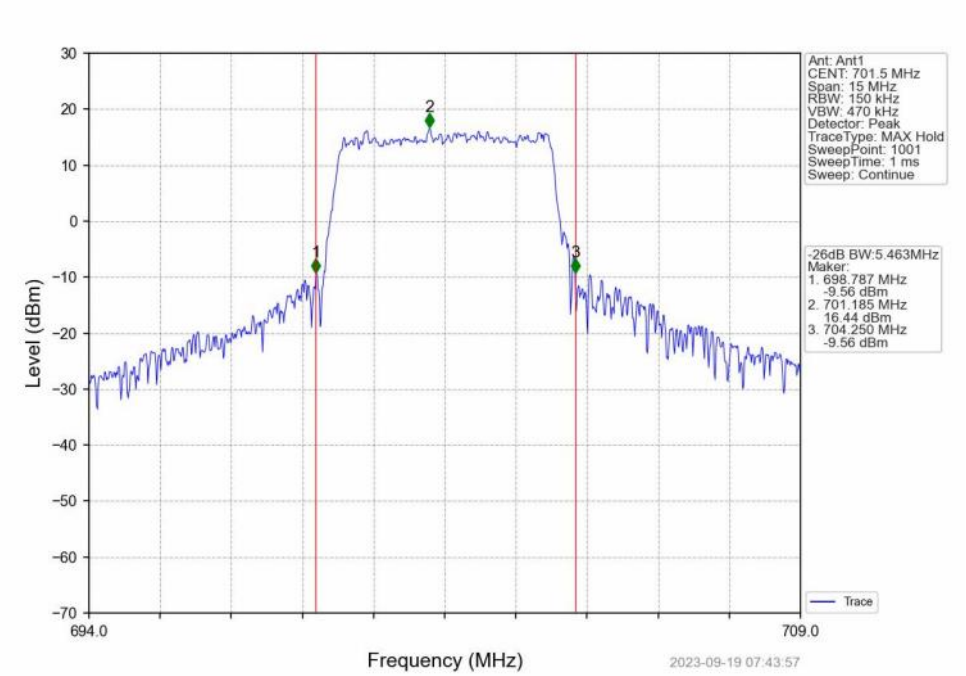
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



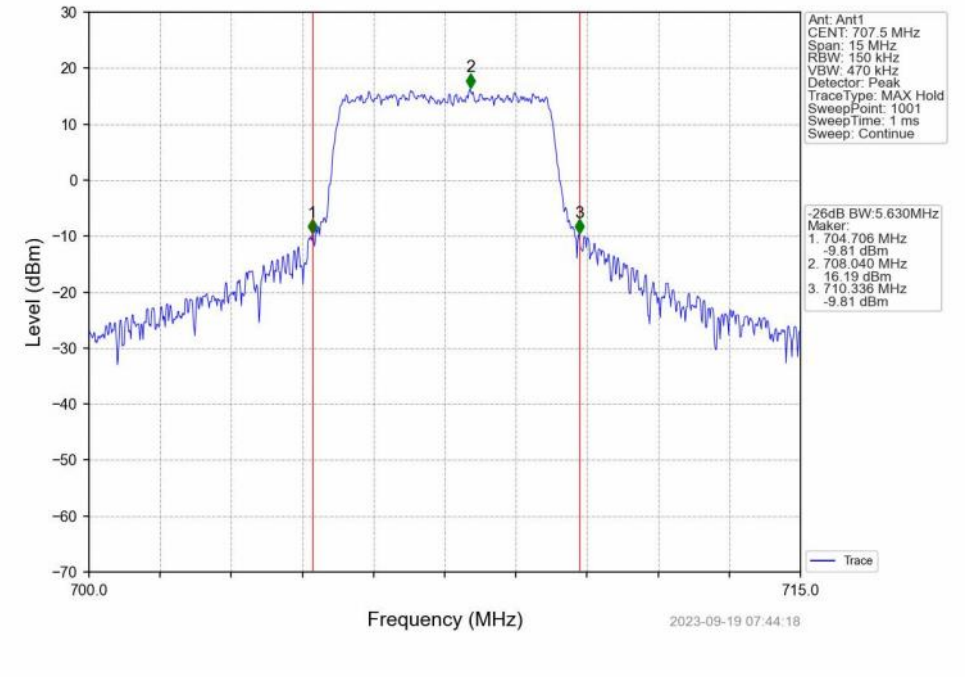
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



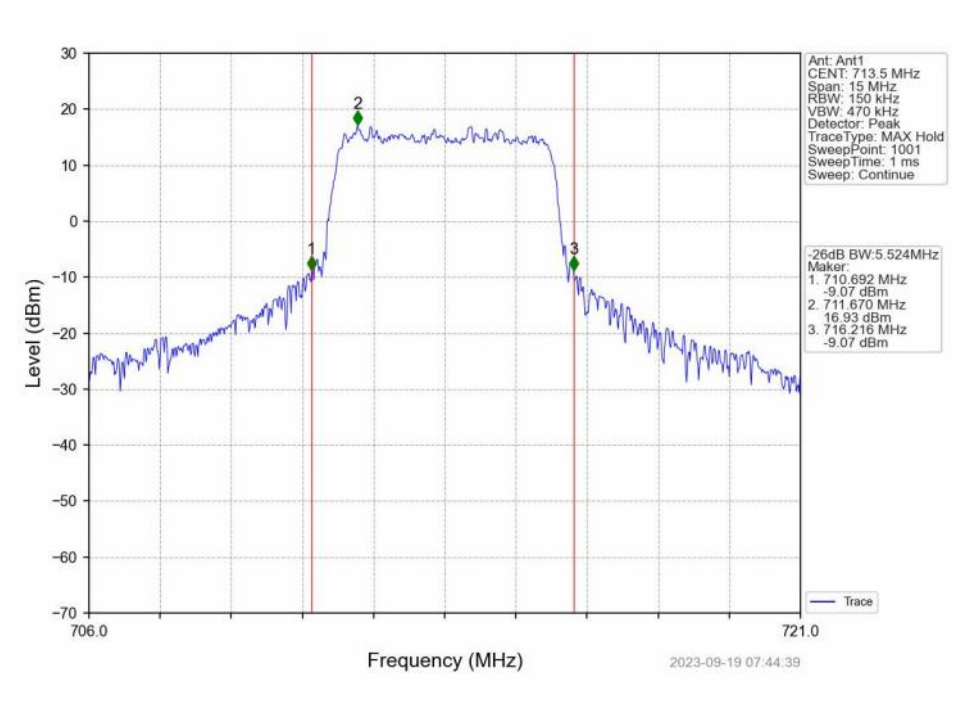
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



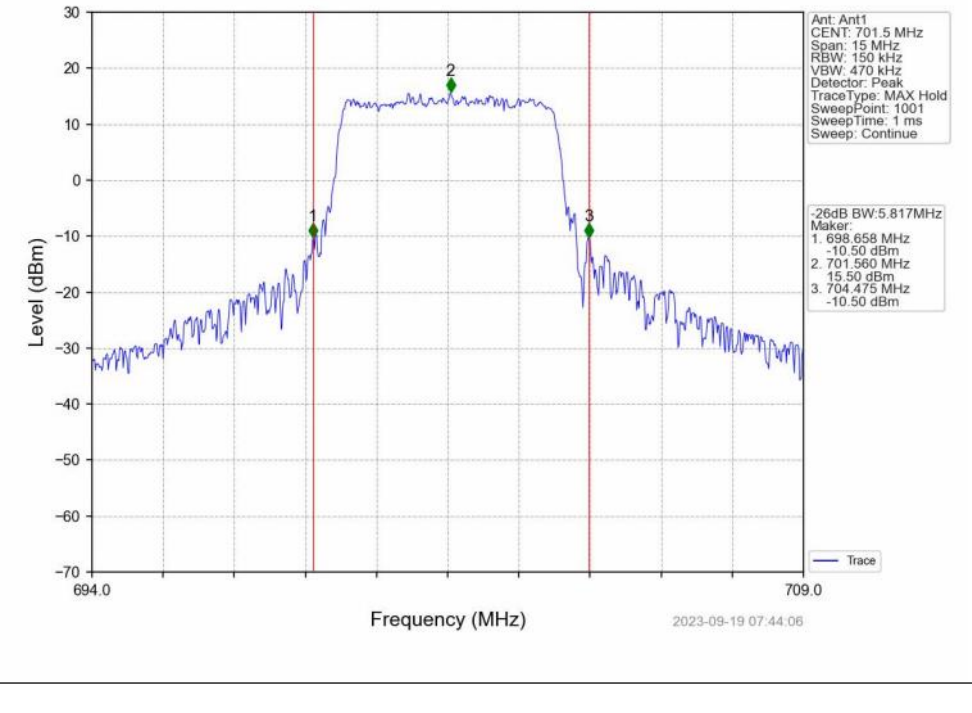
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



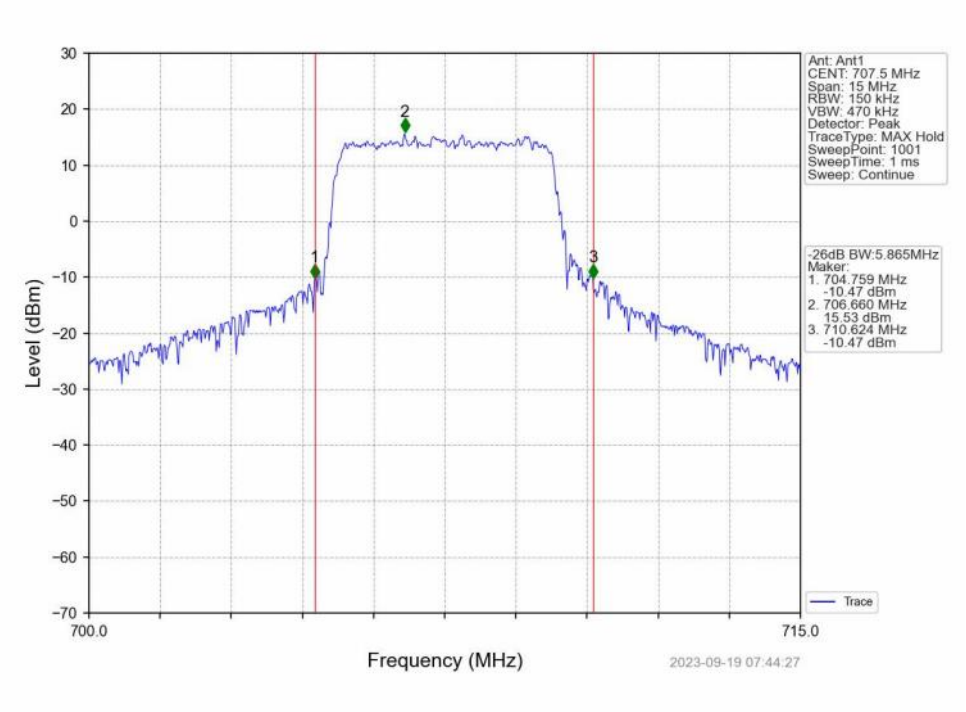
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



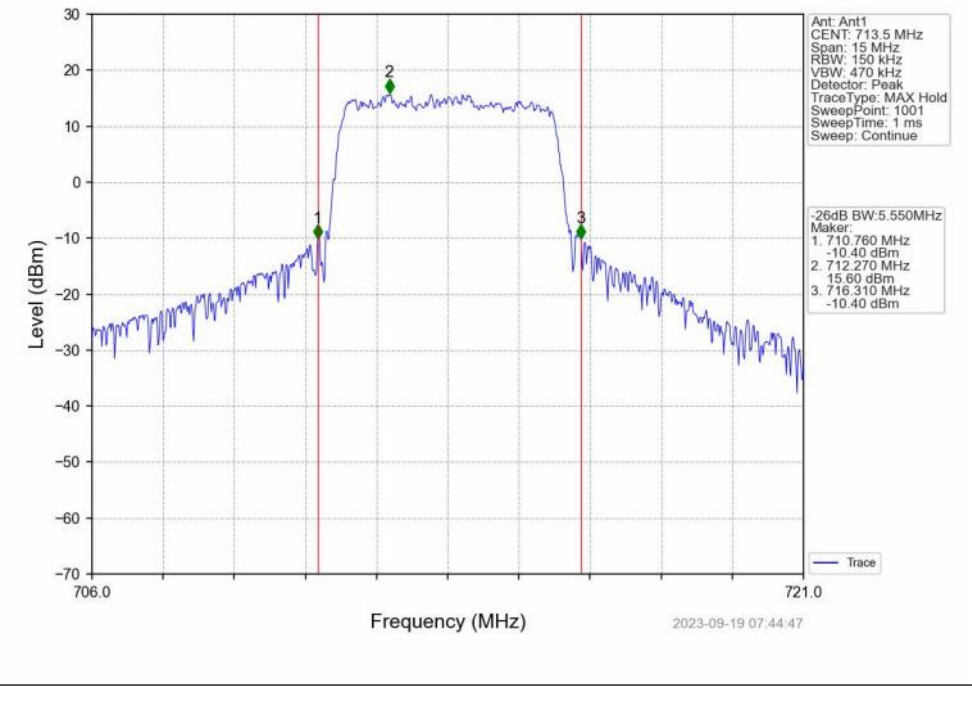
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



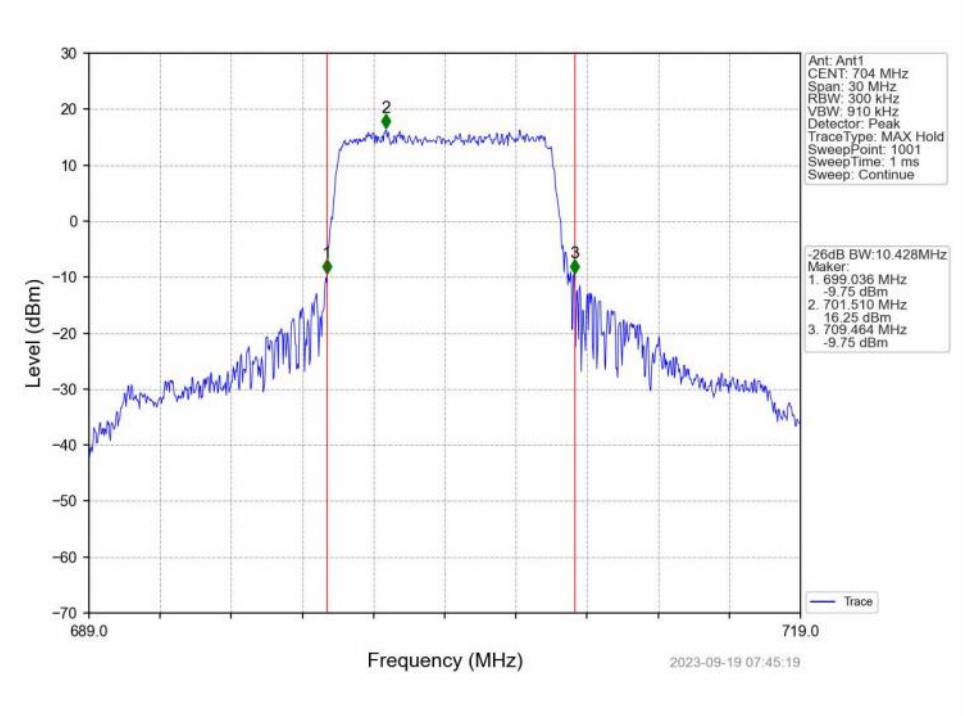
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



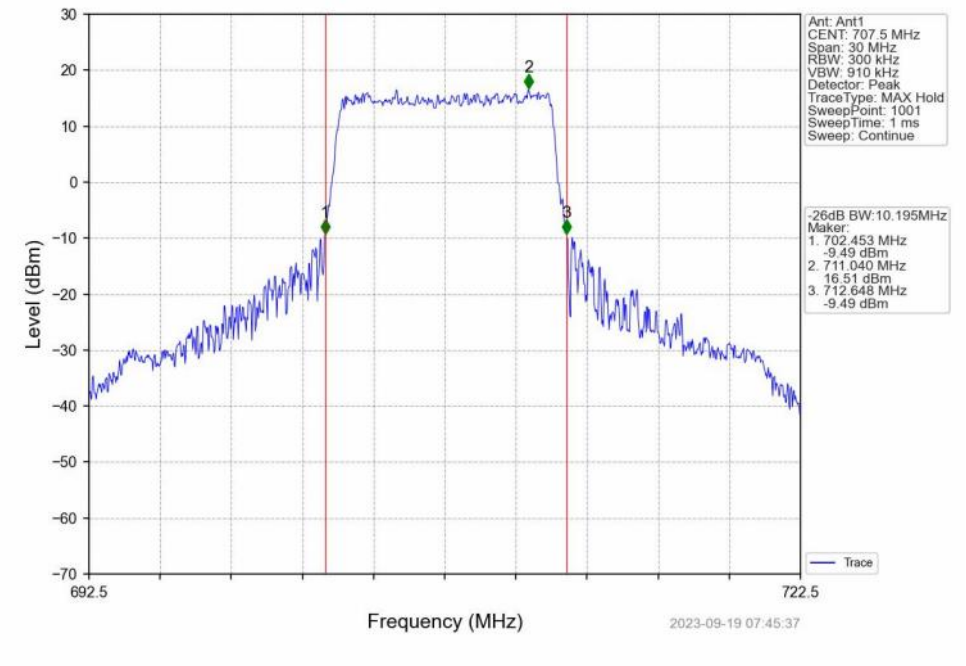
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



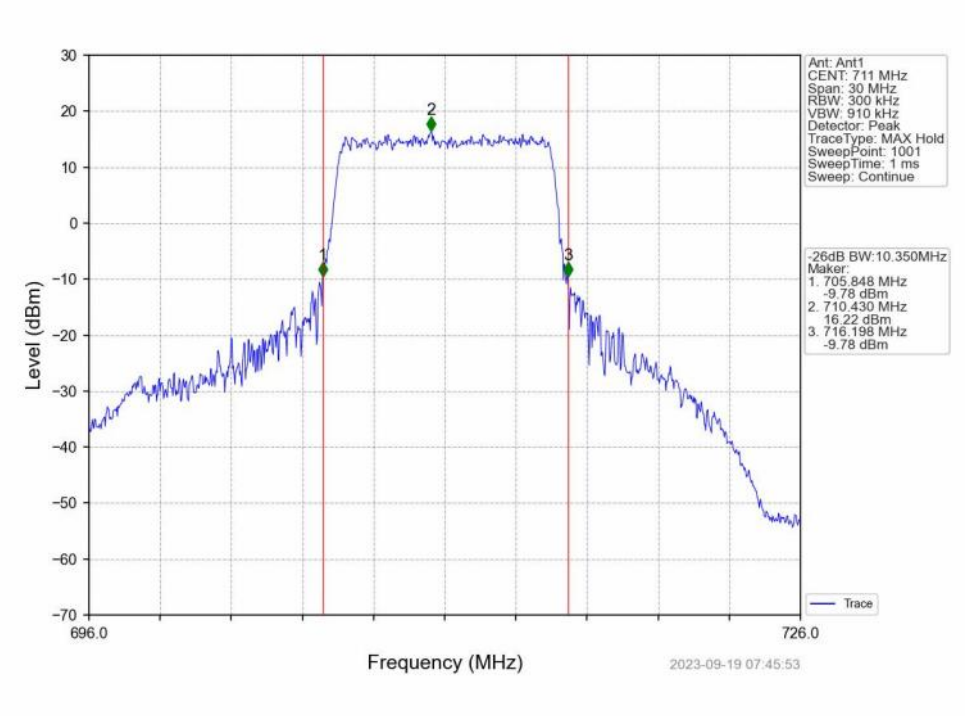
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



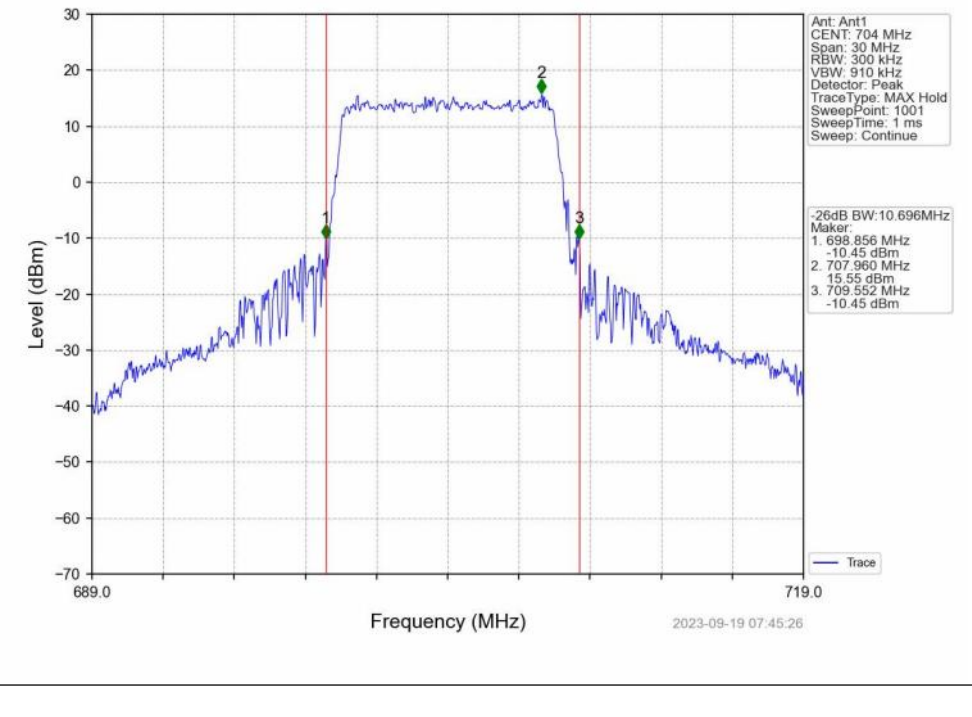
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



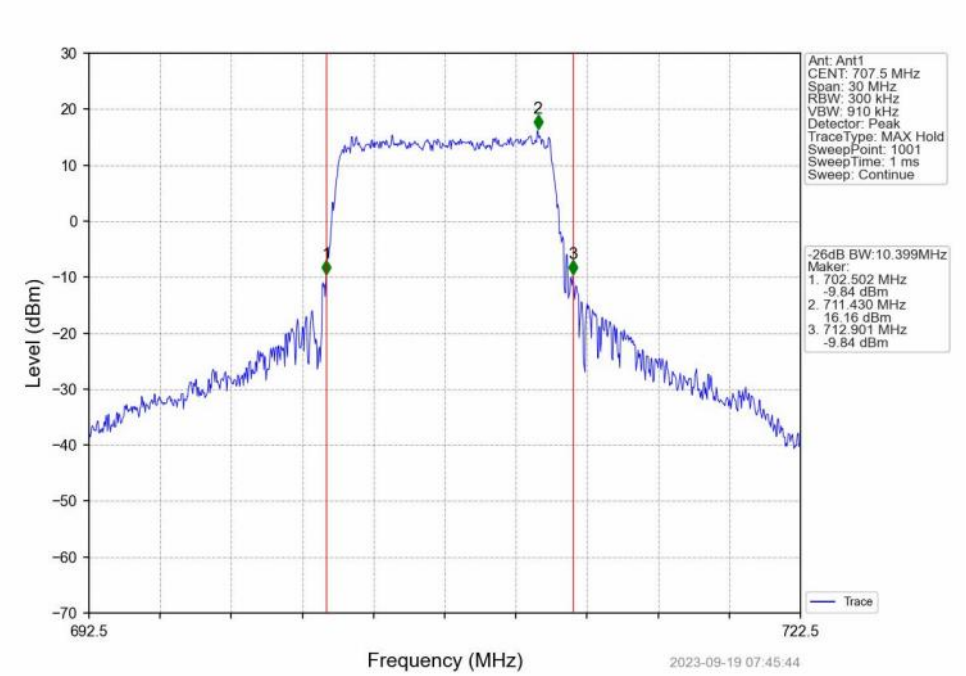
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



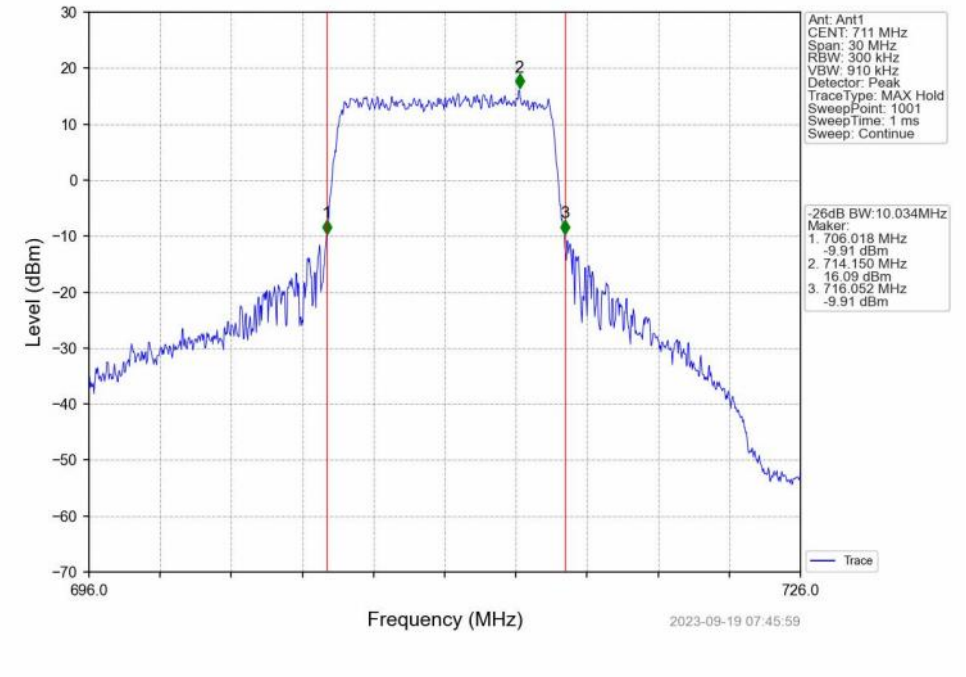
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

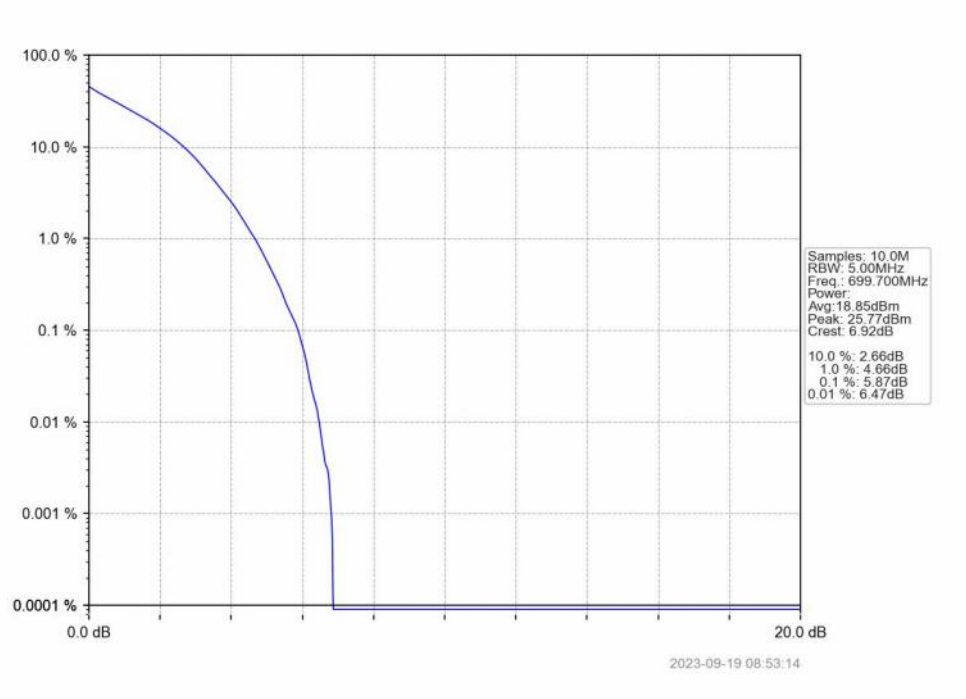
5.1 B12_1.4MHz

5.1.1 Test Result

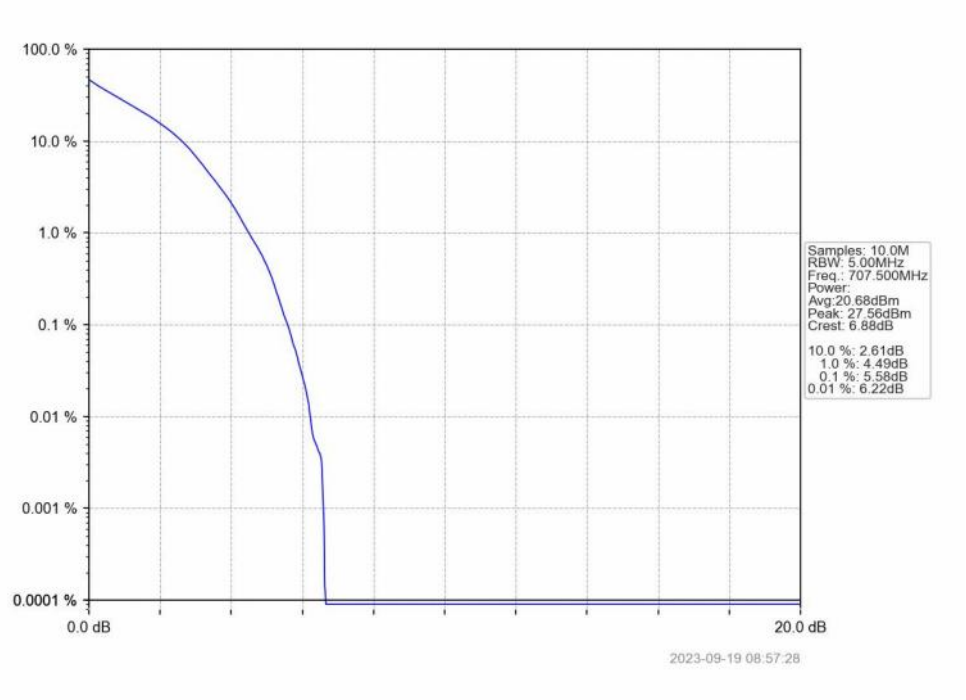
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.87	<=13	Pass
	707.5	6	0	5.58	<=13	Pass
	715.3	6	0	5.38	<=13	Pass
16QAM	699.7	6	0	6.34	<=13	Pass
	707.5	6	0	6.36	<=13	Pass
	715.3	6	0	6.06	<=13	Pass

5.1.2 Test Graph

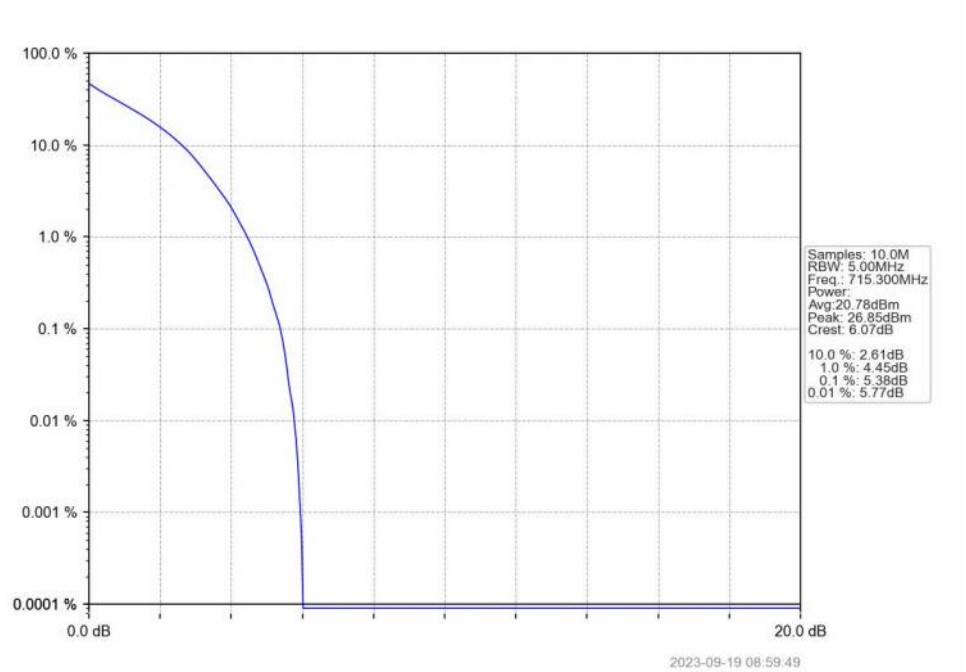
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



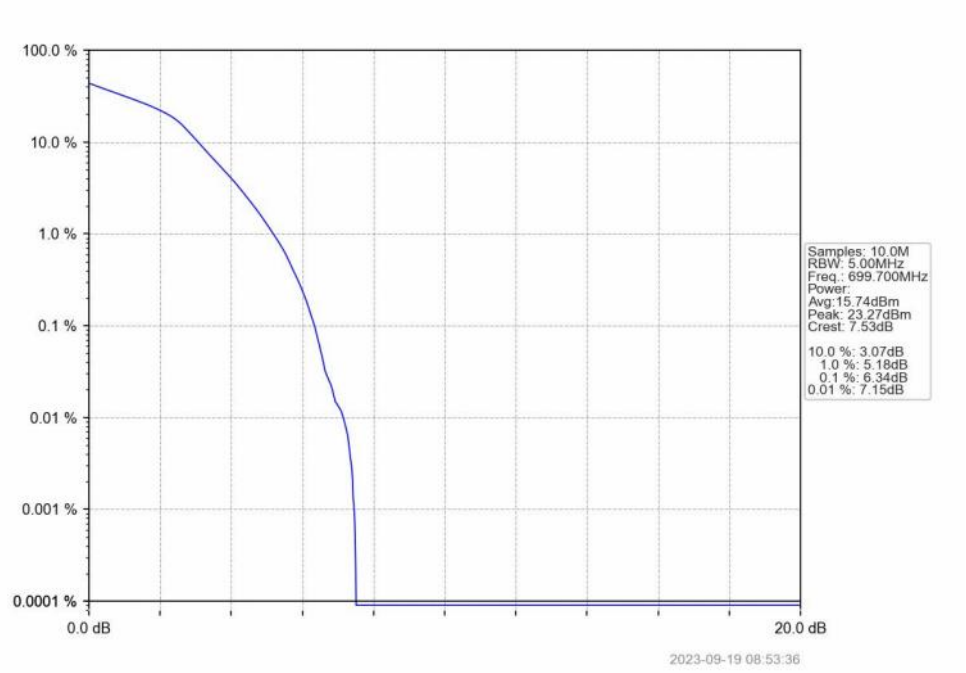
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



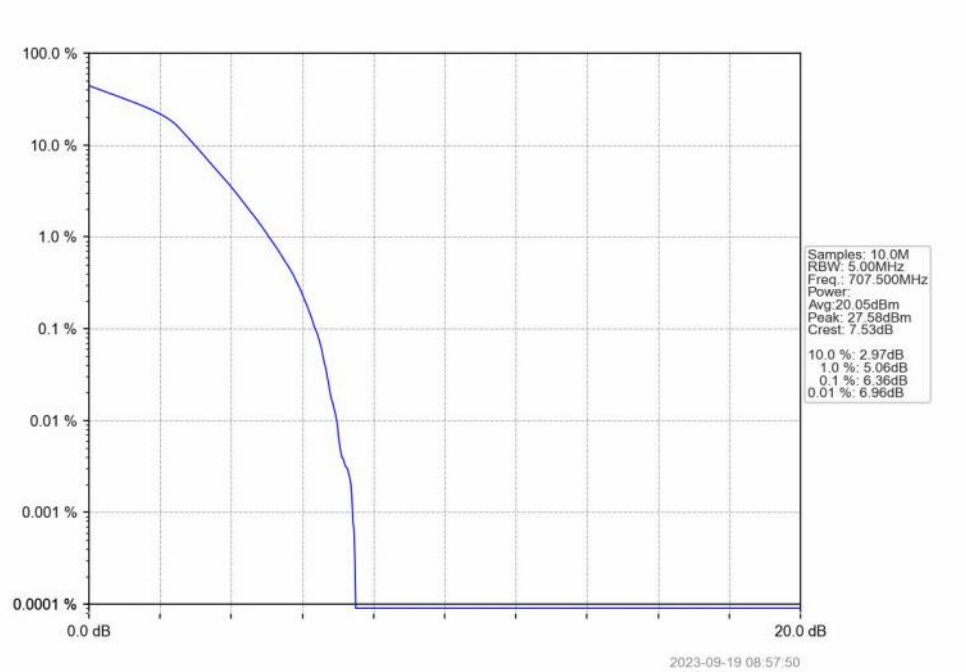
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



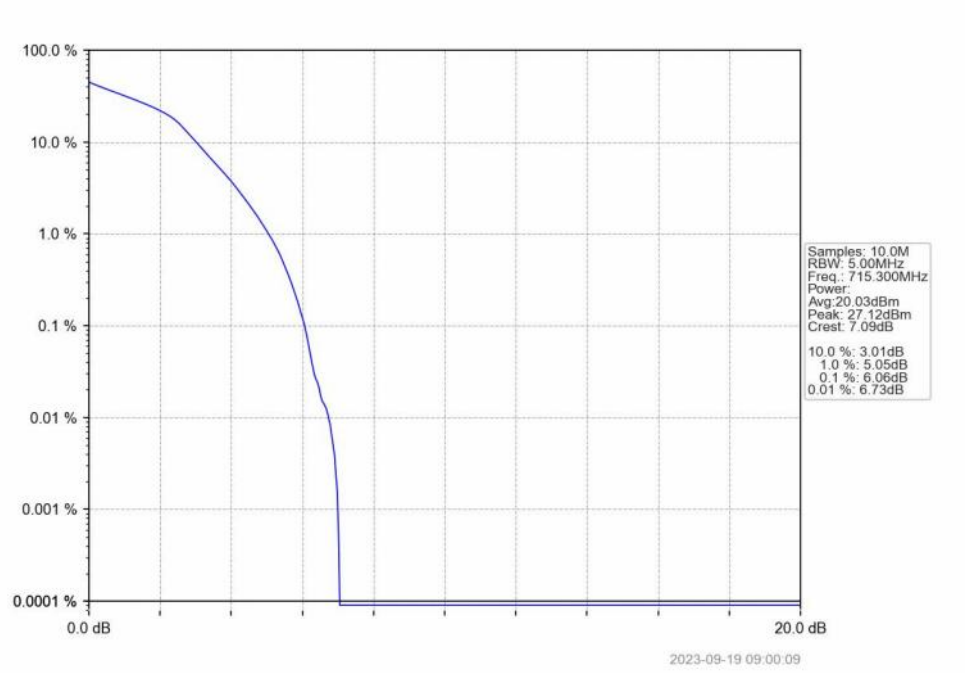
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



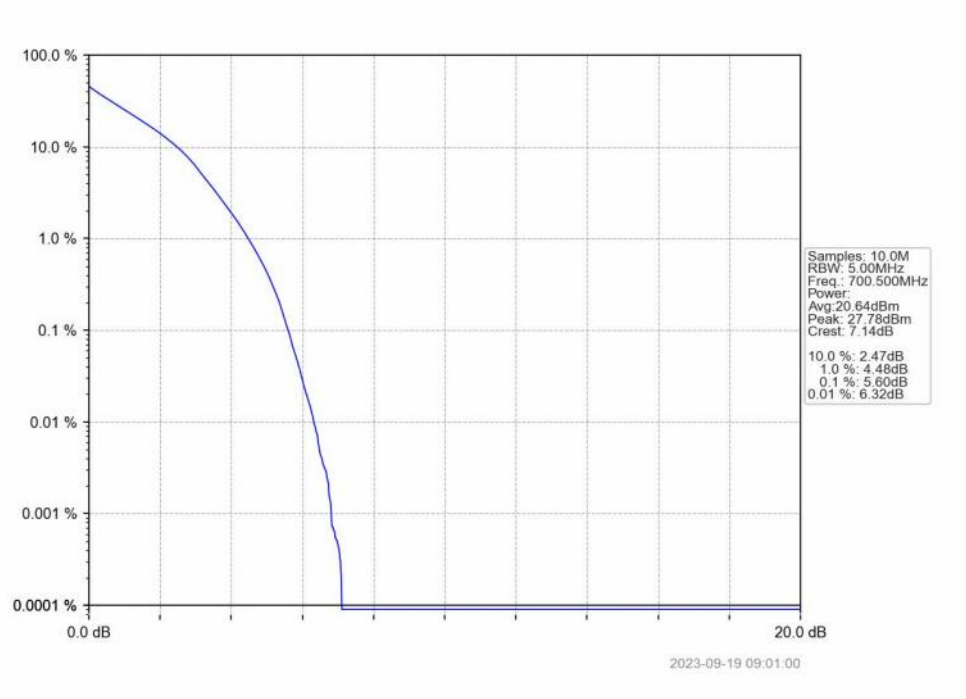
5.2 B12_3MHz

5.2.1 Test Result

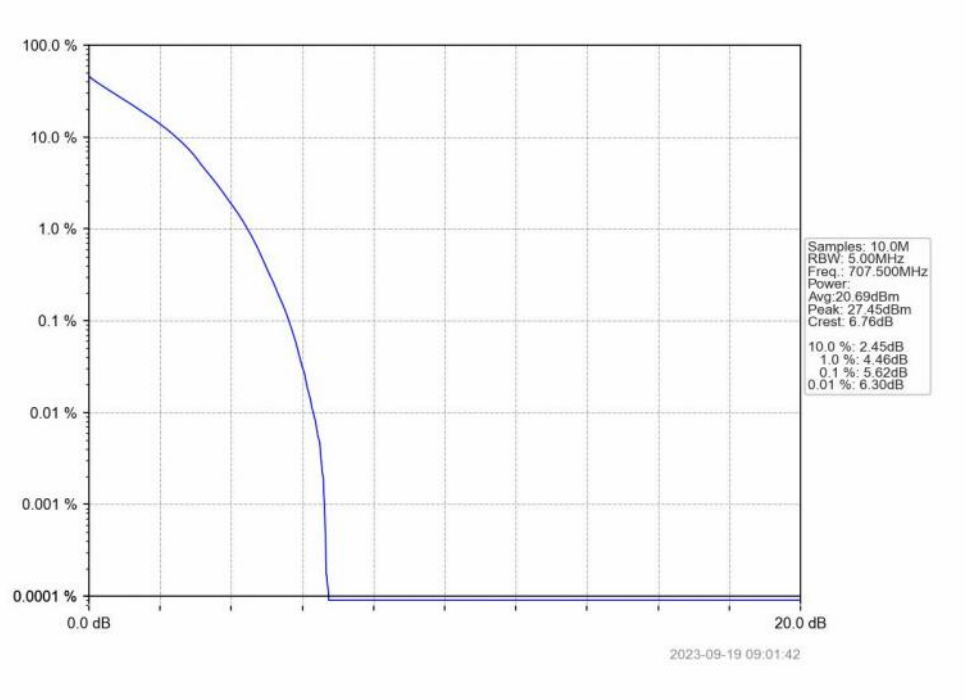
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.60	<=13	Pass
	707.5	15	0	5.62	<=13	Pass
	714.5	15	0	5.47	<=13	Pass
16QAM	700.5	15	0	6.39	<=13	Pass
	707.5	15	0	6.40	<=13	Pass
	714.5	15	0	6.25	<=13	Pass

5.2.2 Test Graph

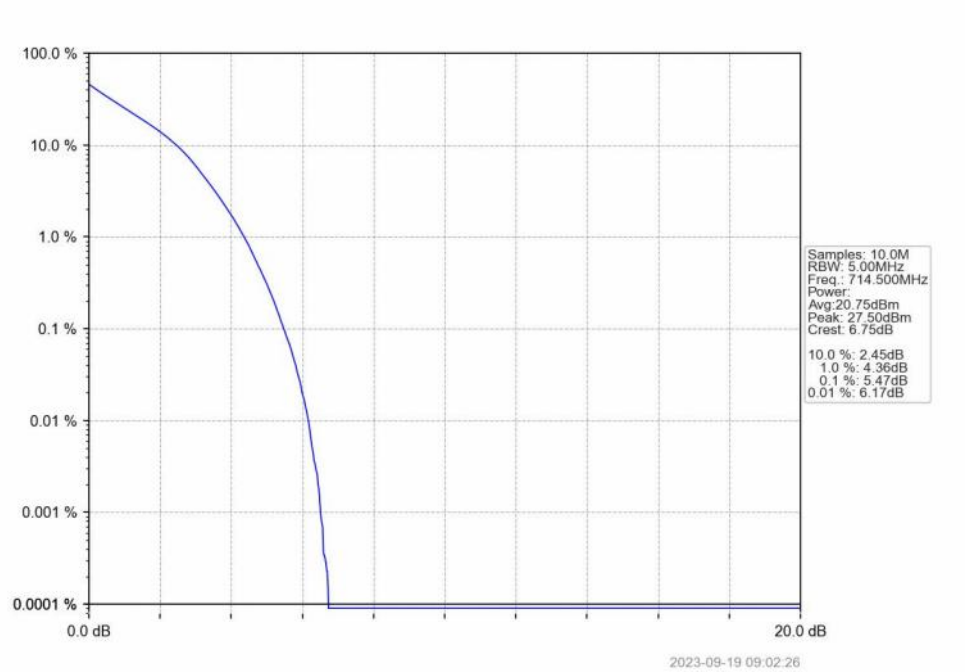
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



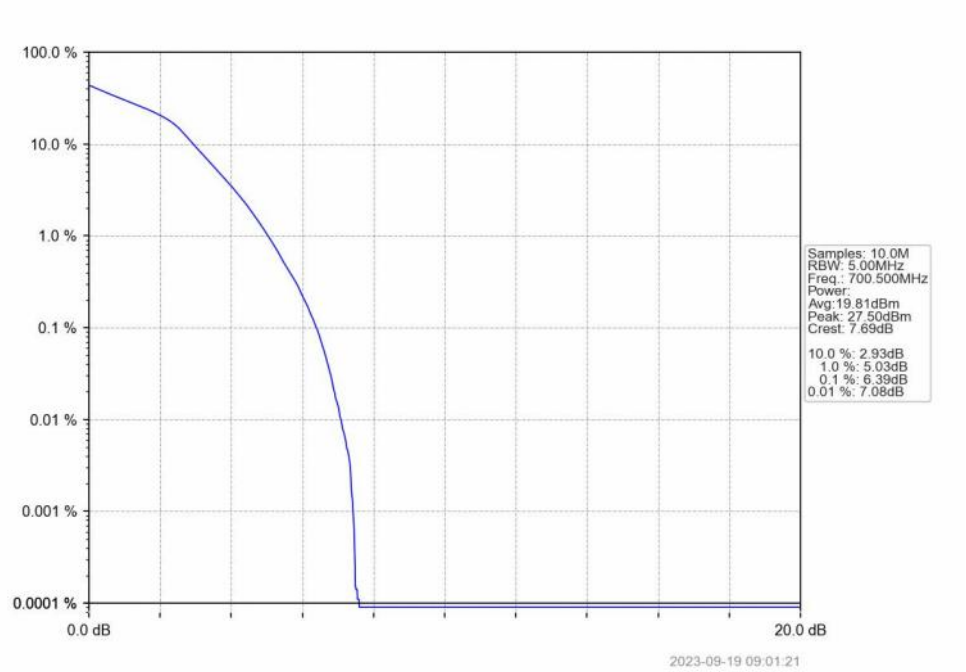
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



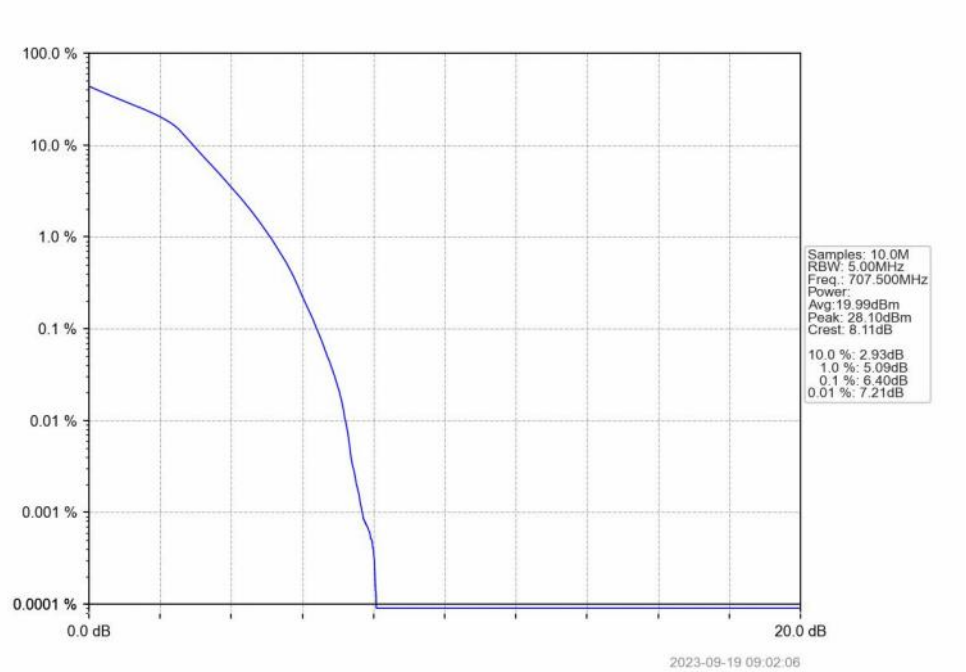
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



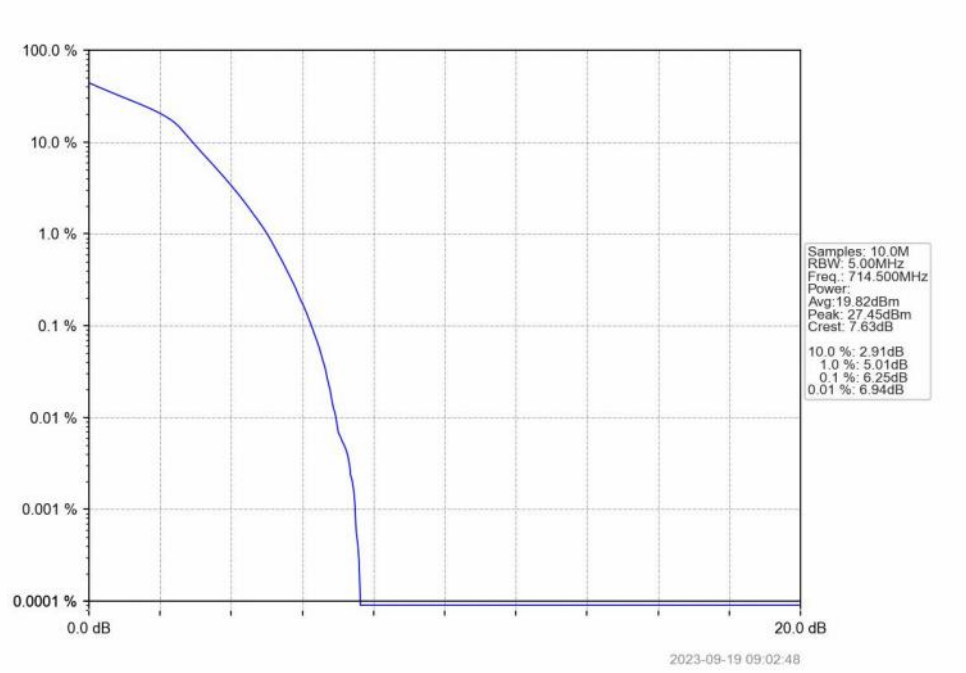
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



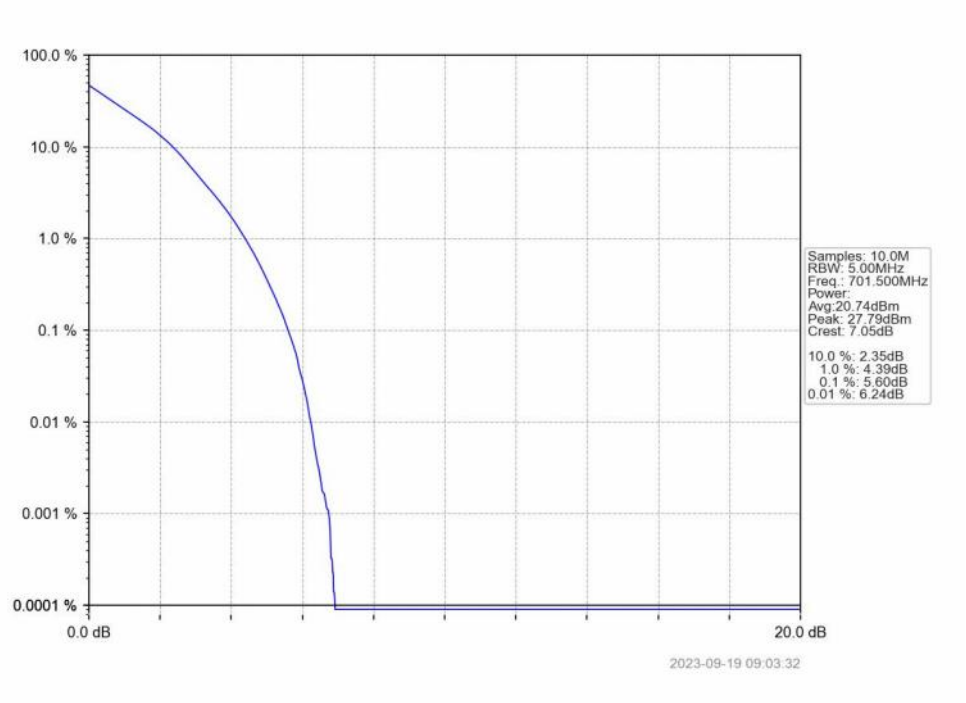
5.3 B12_5MHz

5.3.1 Test Result

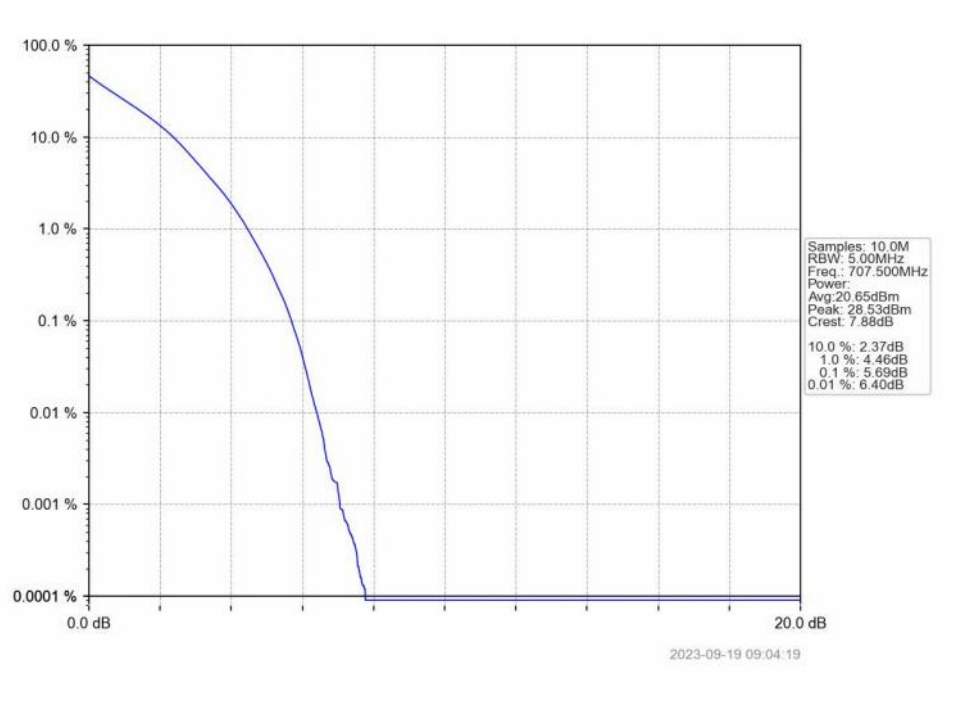
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.60	<=13	Pass
	707.5	25	0	5.69	<=13	Pass
	713.5	25	0	5.50	<=13	Pass
16QAM	701.5	25	0	6.34	<=13	Pass
	707.5	25	0	6.36	<=13	Pass
	713.5	25	0	6.23	<=13	Pass

5.3.2 Test Graph

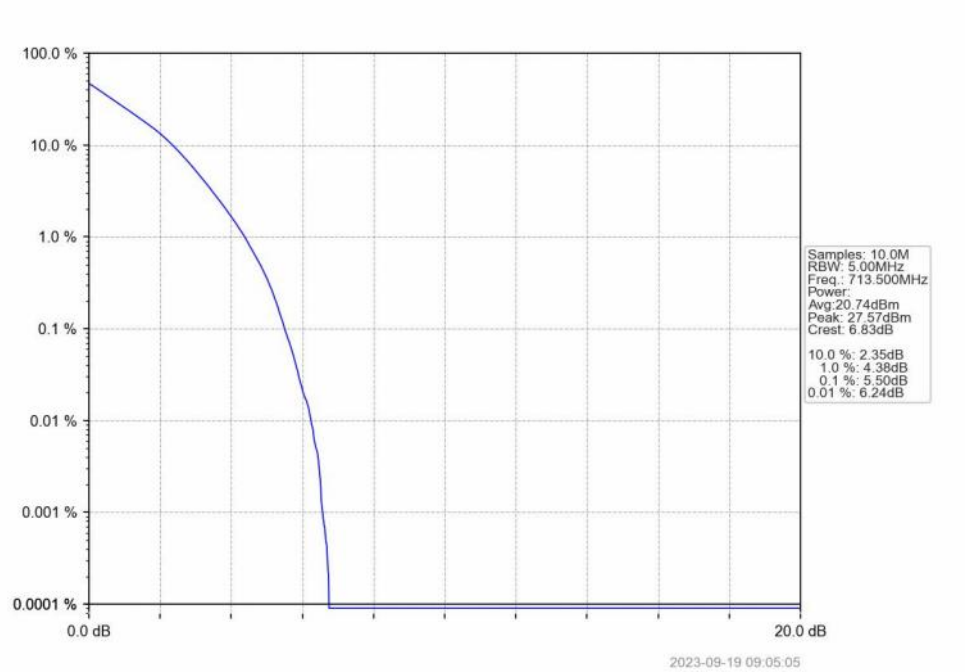
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



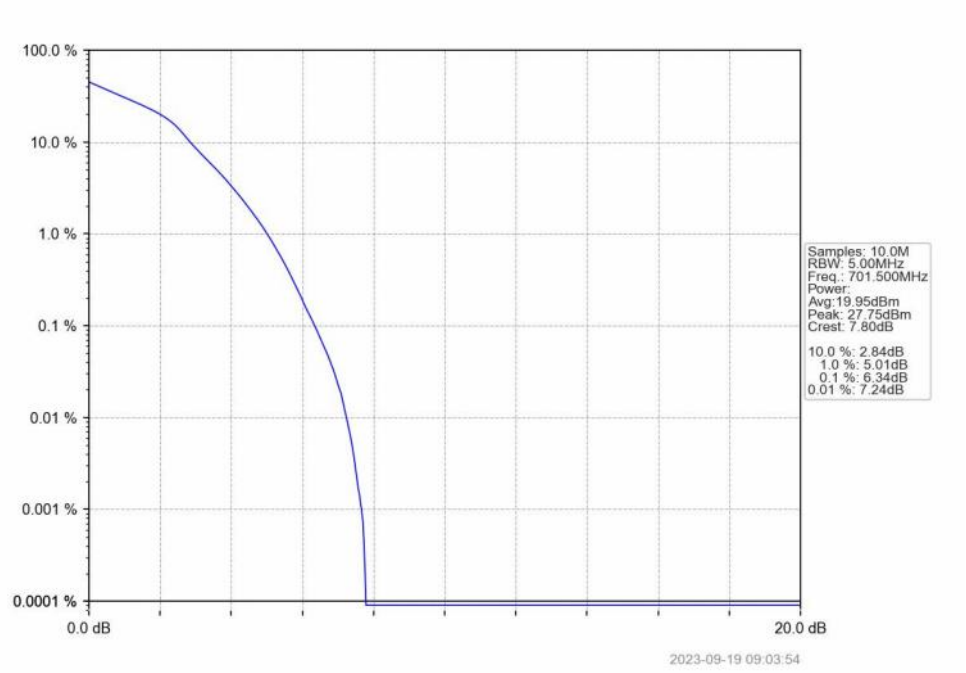
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



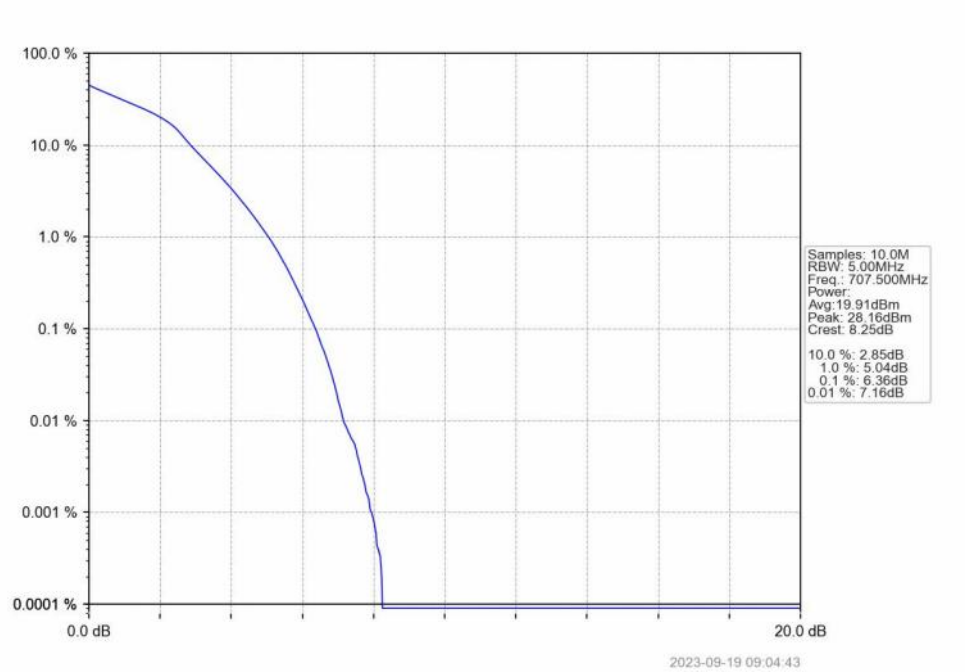
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



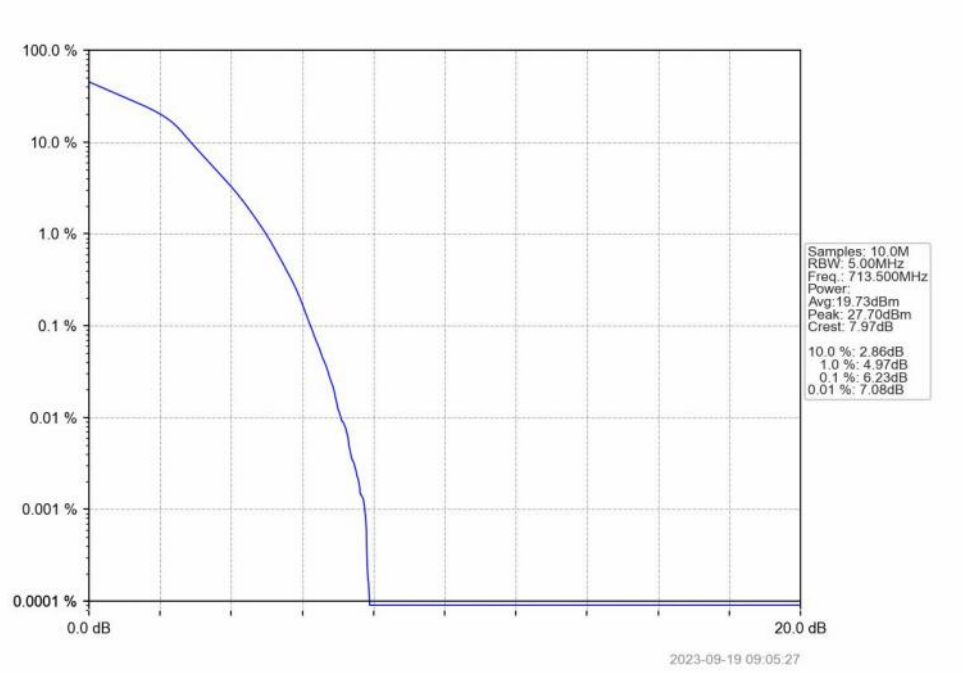
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



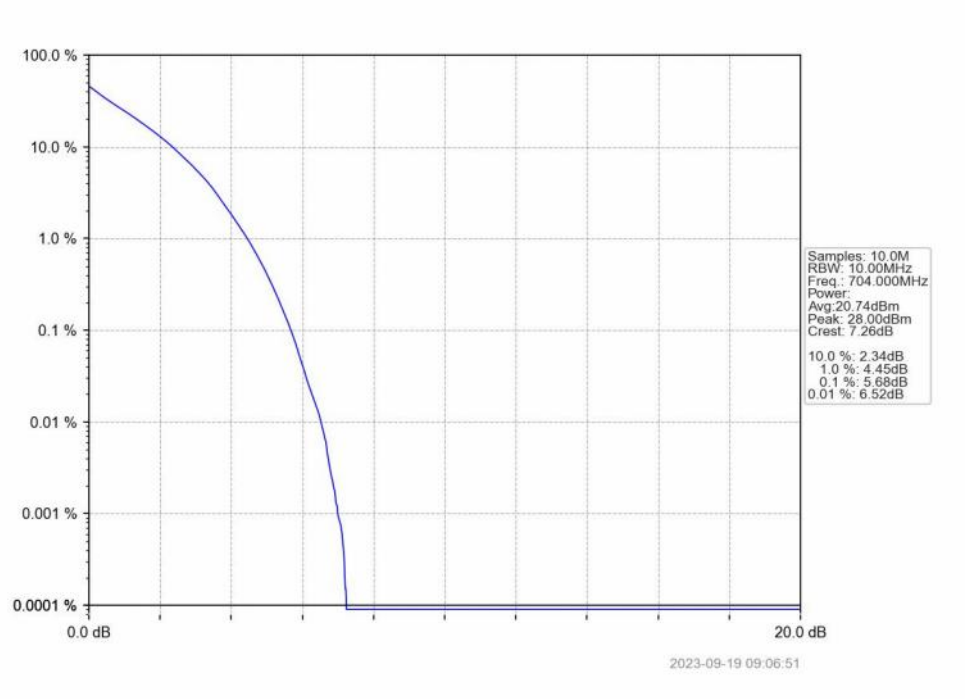
5.4 B12_10MHz

5.4.1 Test Result

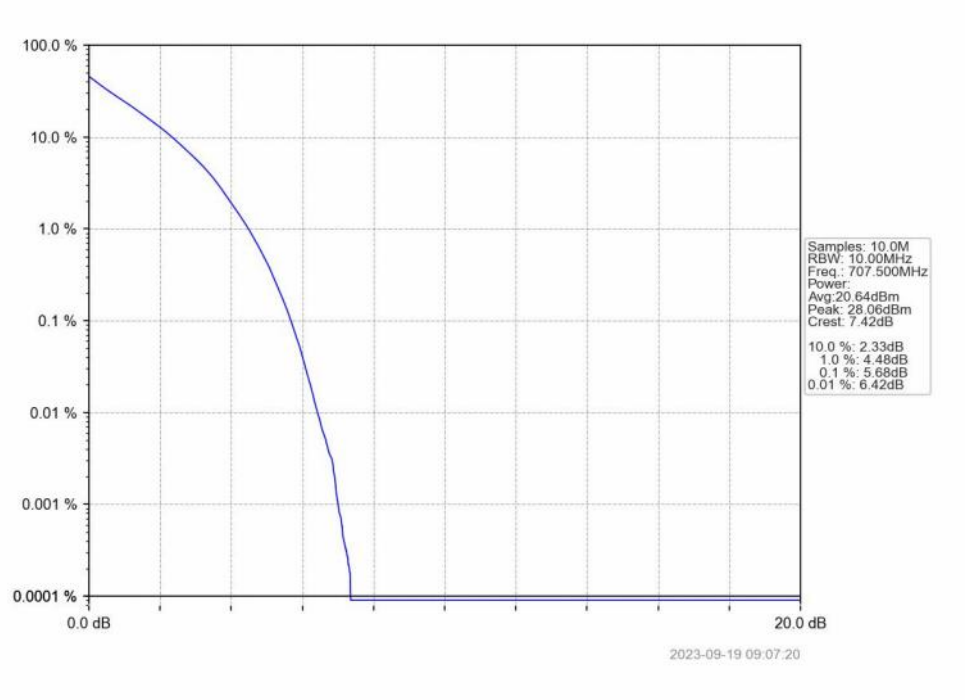
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.68	<=13	Pass
	707.5	50	0	5.68	<=13	Pass
	711	50	0	5.57	<=13	Pass
16QAM	704	50	0	6.40	<=13	Pass
	707.5	50	0	6.39	<=13	Pass
	711	50	0	6.33	<=13	Pass

5.4.2 Test Graph

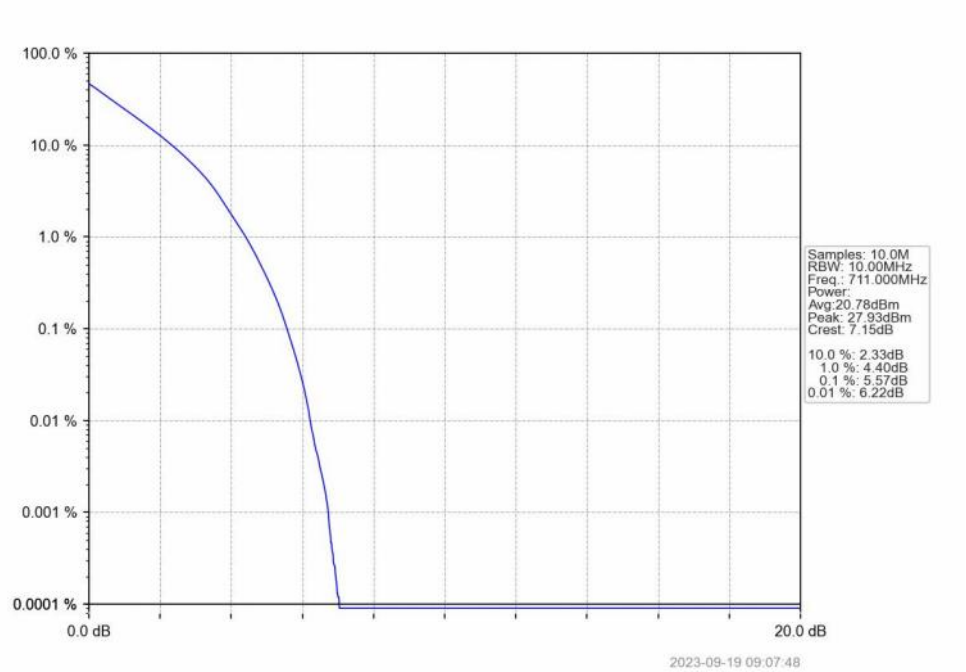
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



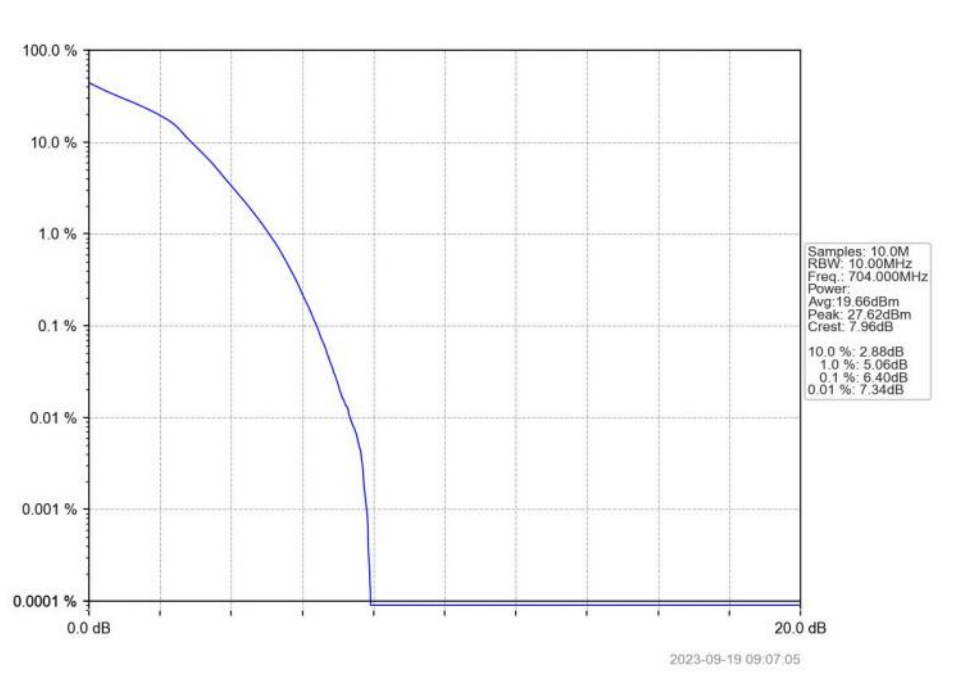
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



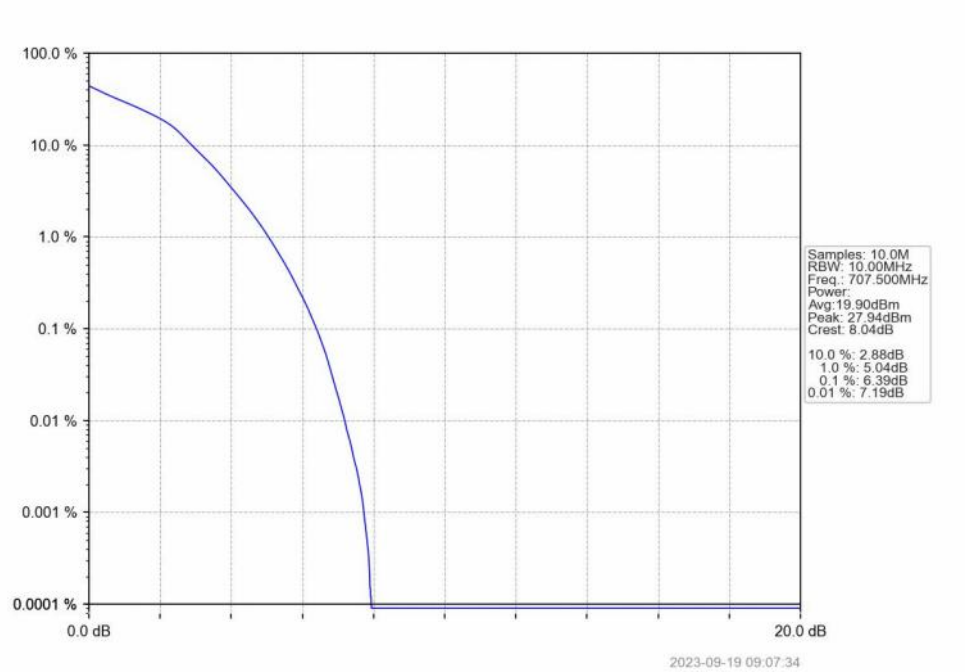
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



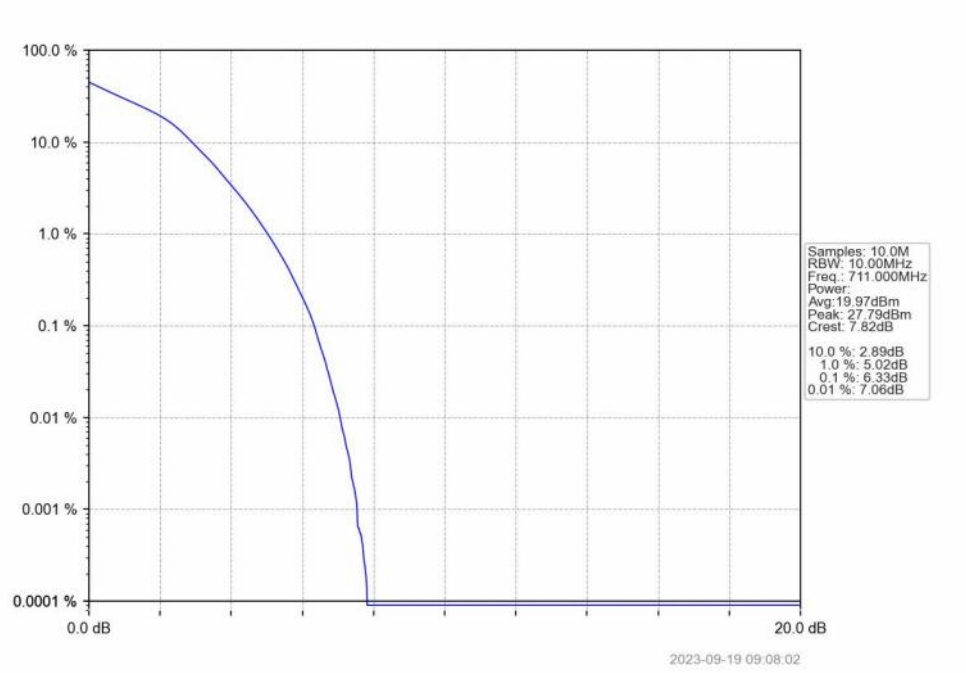
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

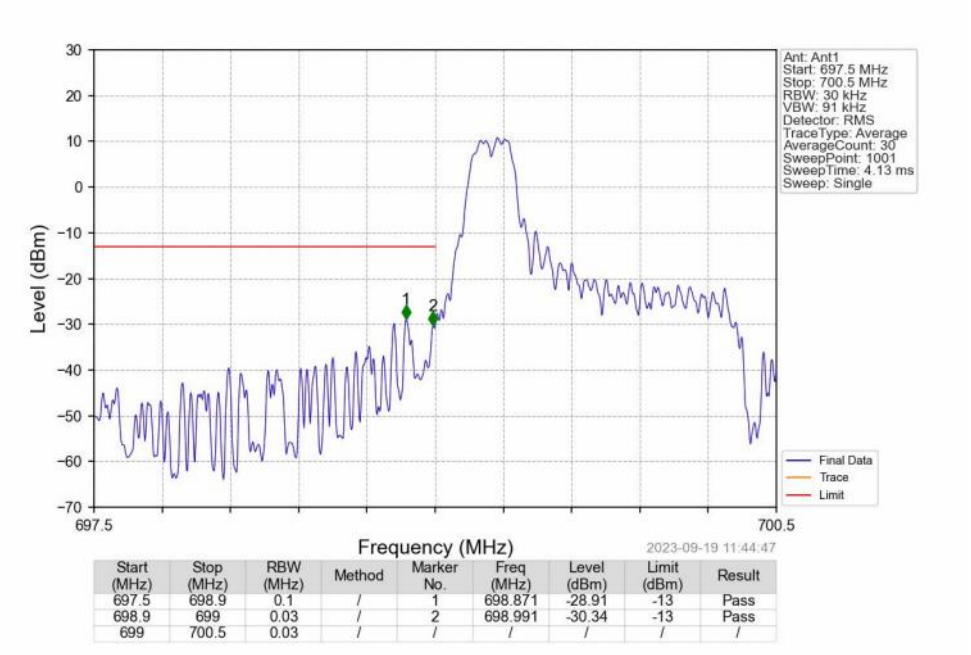
6.1 B12_1.4MHz

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

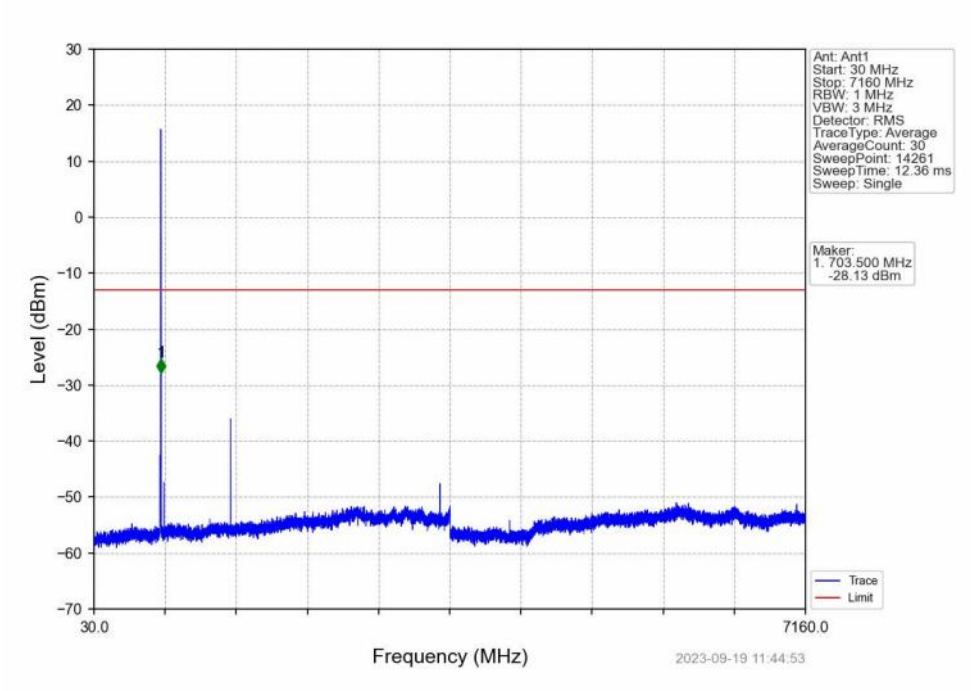
6.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

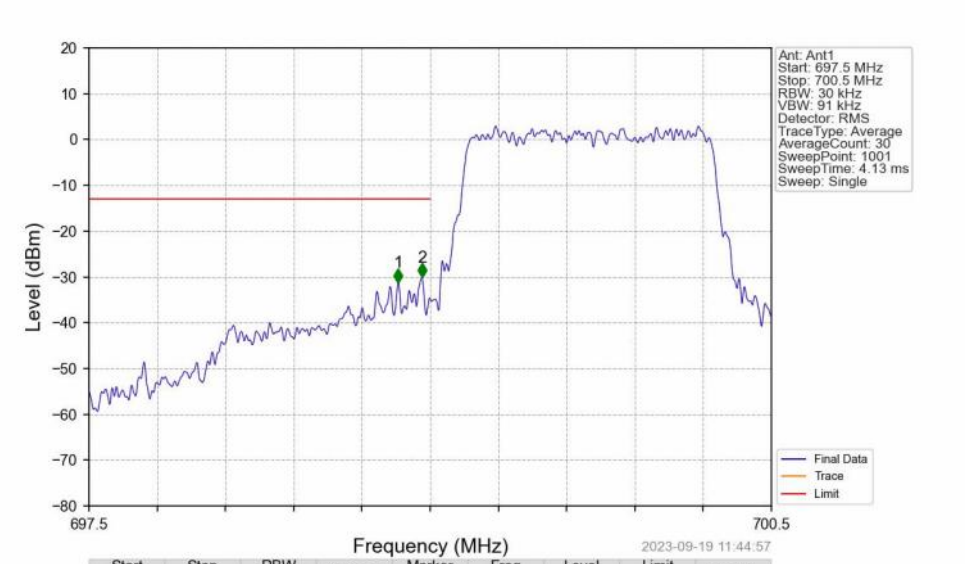


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.871	-28.91	-13	Pass
698.9	699	0.03	/	2	698.991	-30.34	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

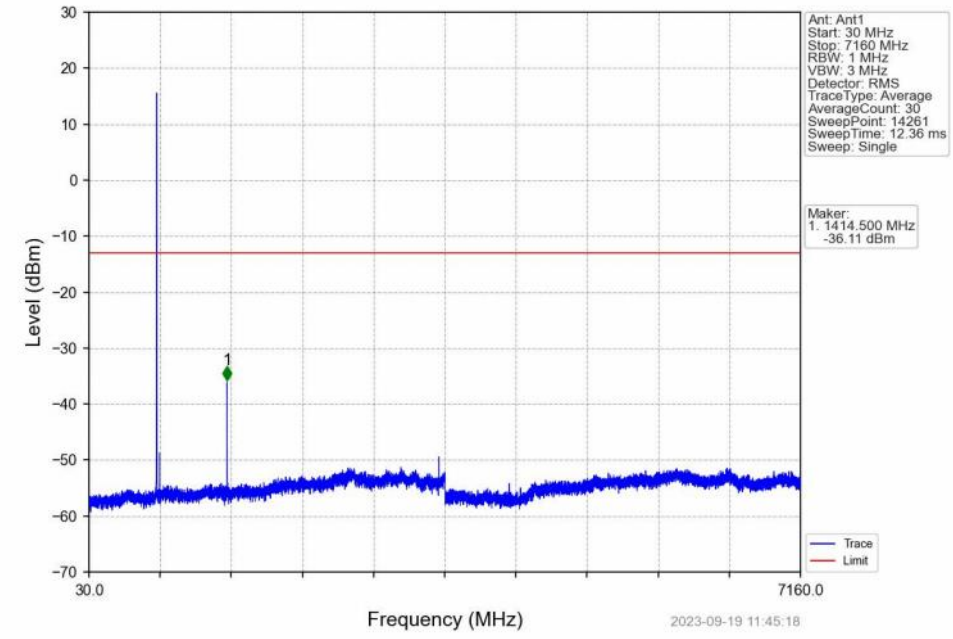


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

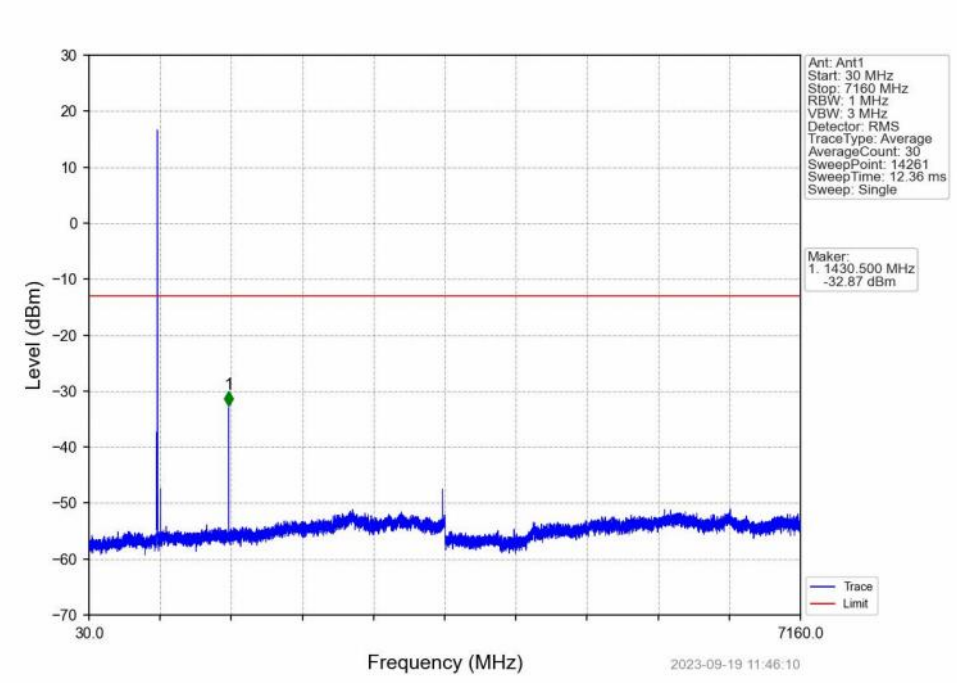


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.859	-31.25	-13	Pass
698.9	699	0.03	/	2	698.964	-30.04	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

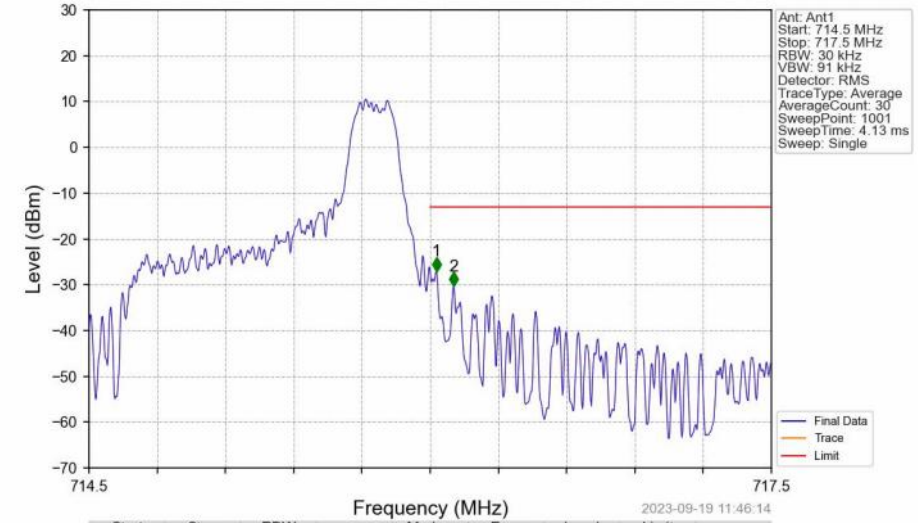
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

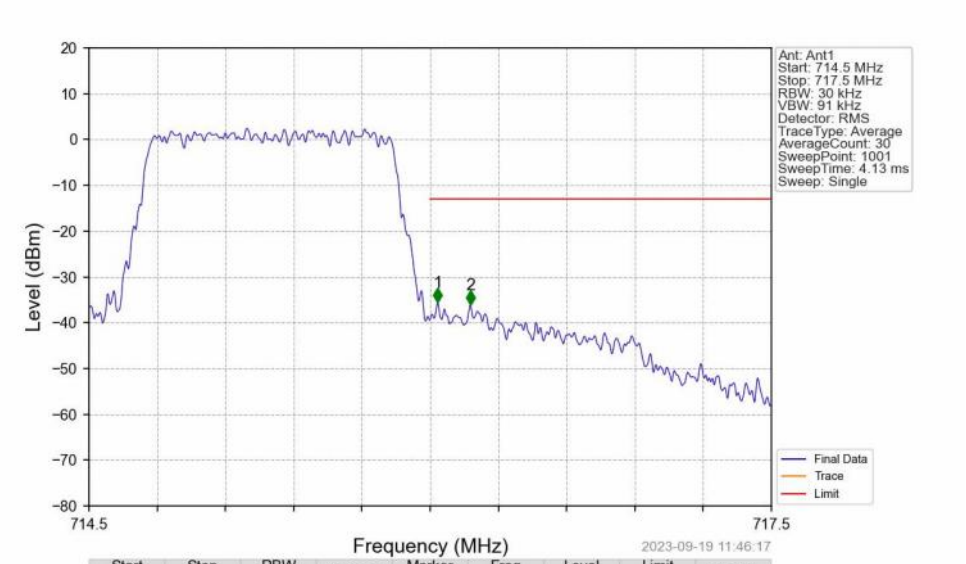


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



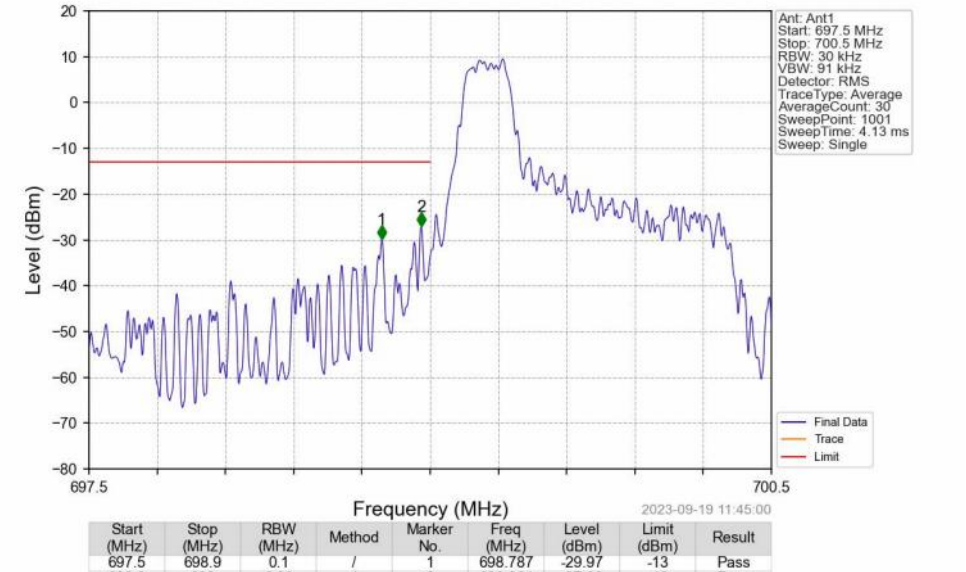
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.027	-27.07	-13	Pass
716.1	717.5	0.1	/	2	716.102	-30.37	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



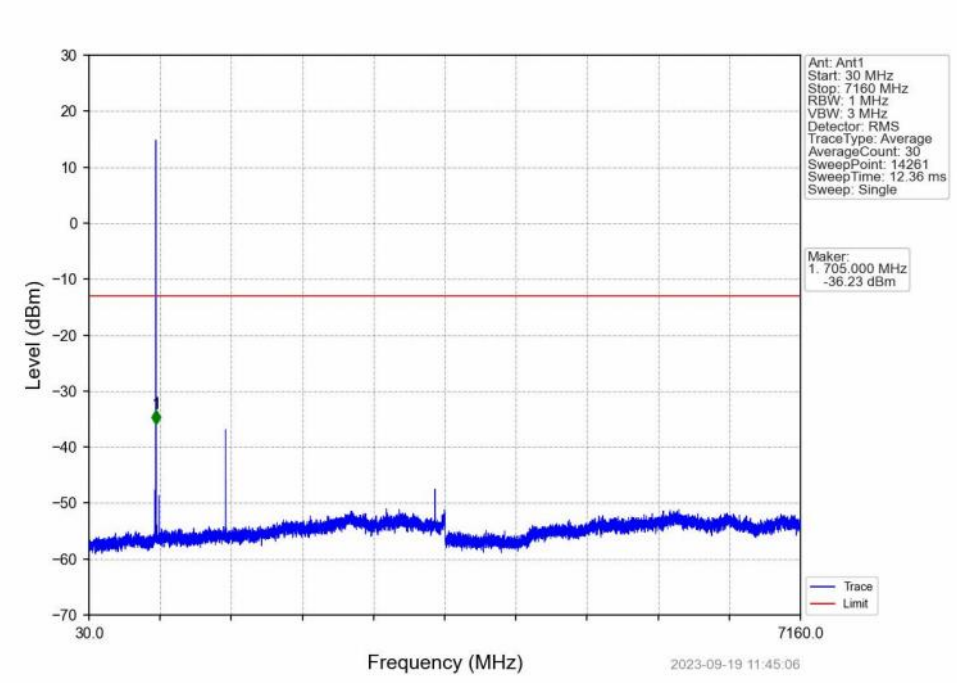
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.033	-35.54	-13	Pass
716.1	717.5	0.1	/	2	716.177	-36.07	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

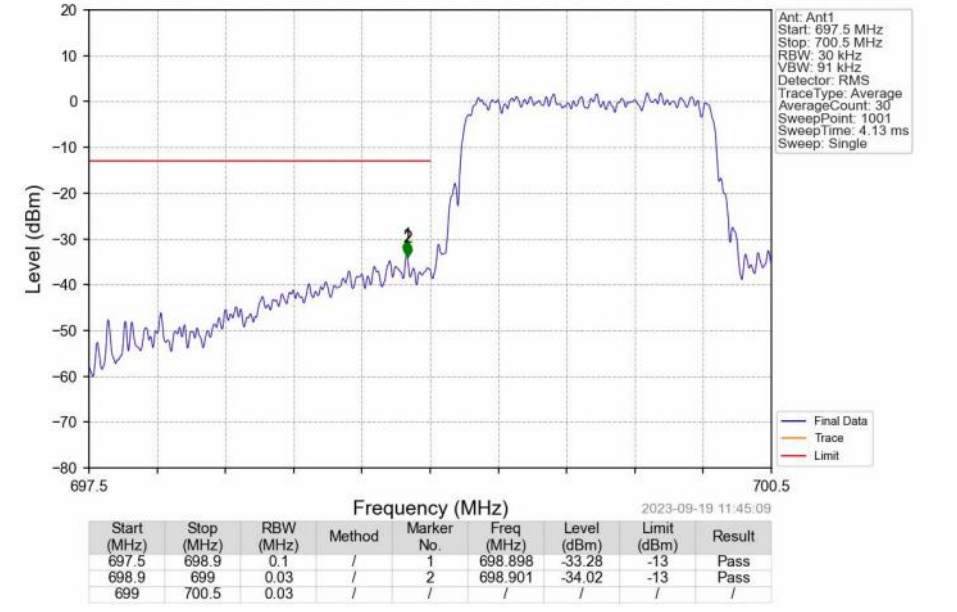


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.787	-29.97	-13	Pass
698.9	699	0.03	/	2	698.961	-27.06	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

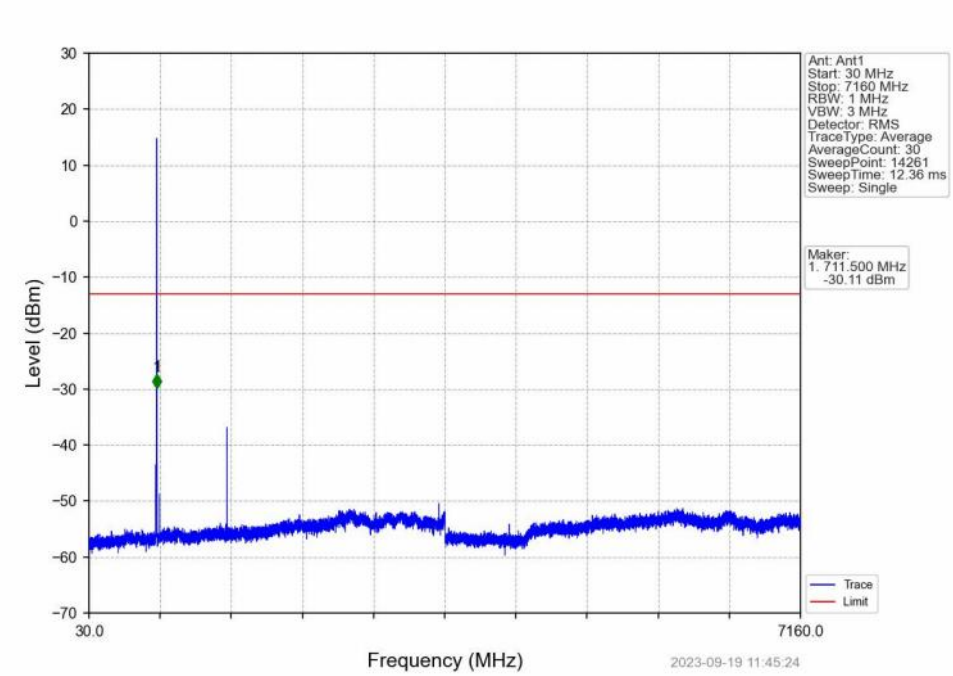


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

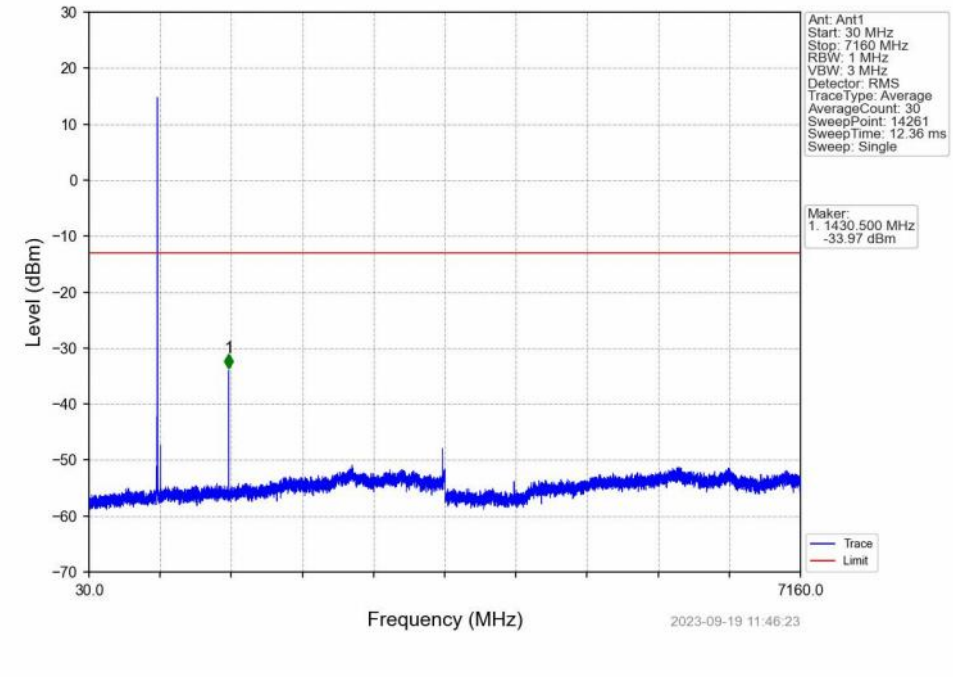


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.898	-33.28	-13	Pass
698.9	699	0.03	/	2	698.901	-34.02	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

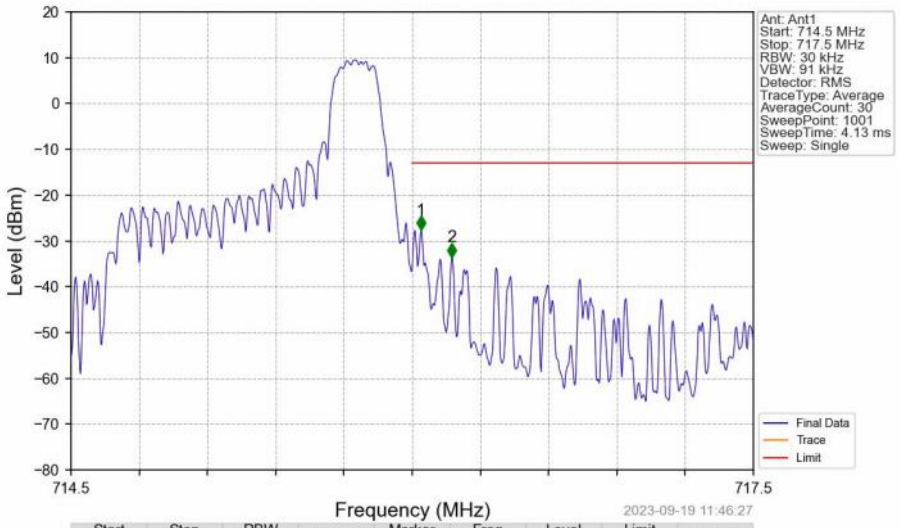
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

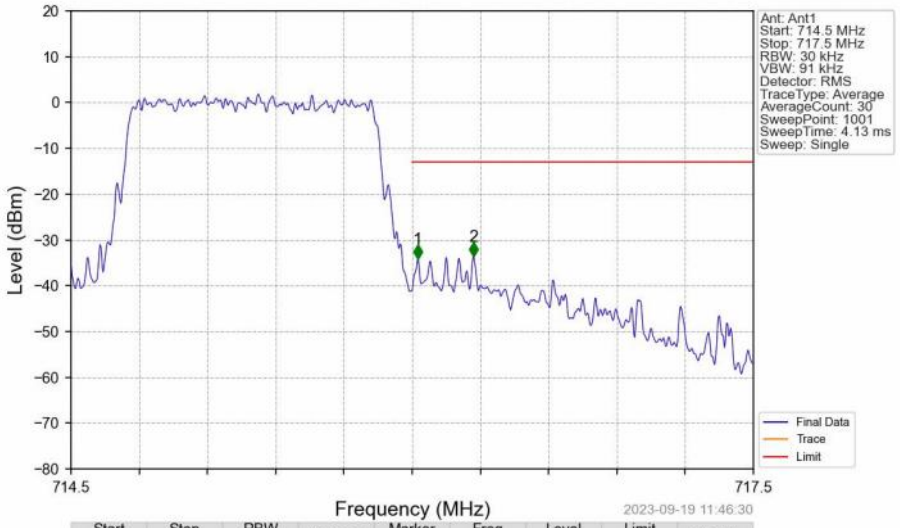


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



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	716.039	-27.67	-13	Pass
716.1	717.5	0.1	/	2	716.174	-33.55	-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	716.024	-34.20	-13	Pass
716.1	717.5	0.1	/	2	716.270	-33.56	-13	Pass

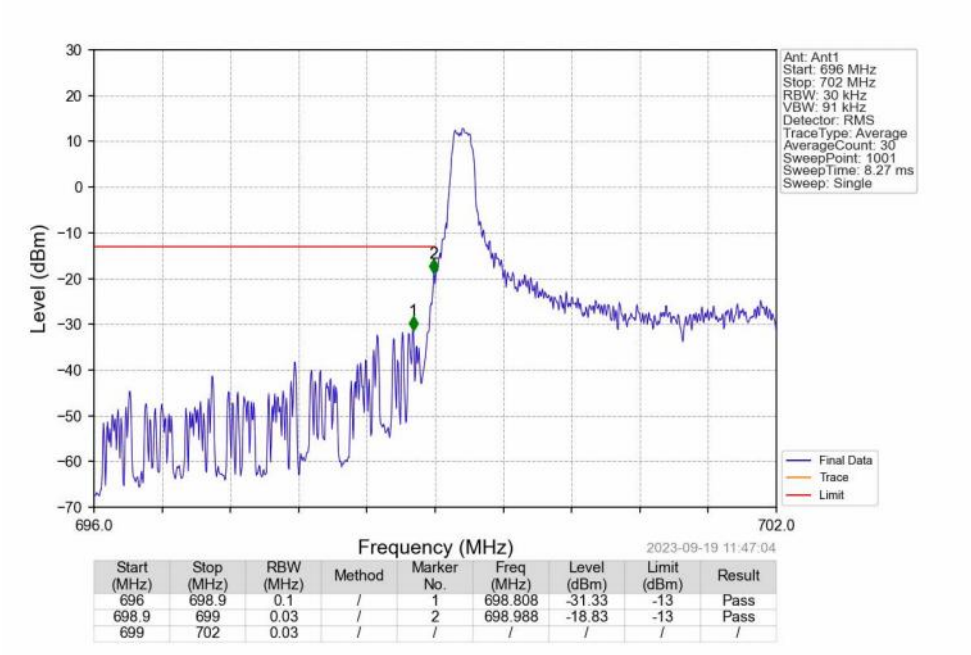
6.2 B12_3MHz

6.2.1 Test Result

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

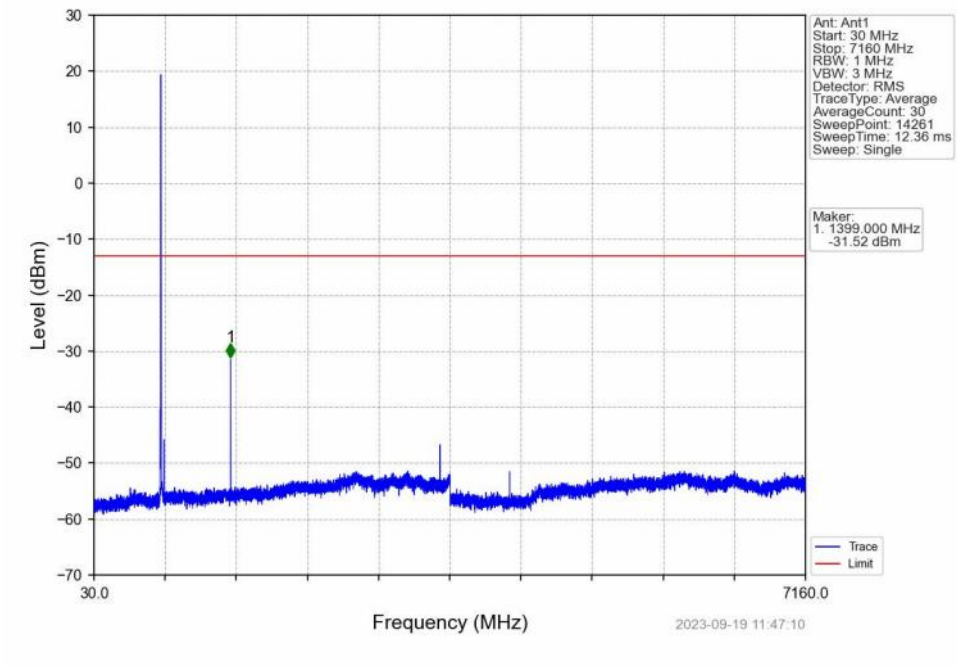
6.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

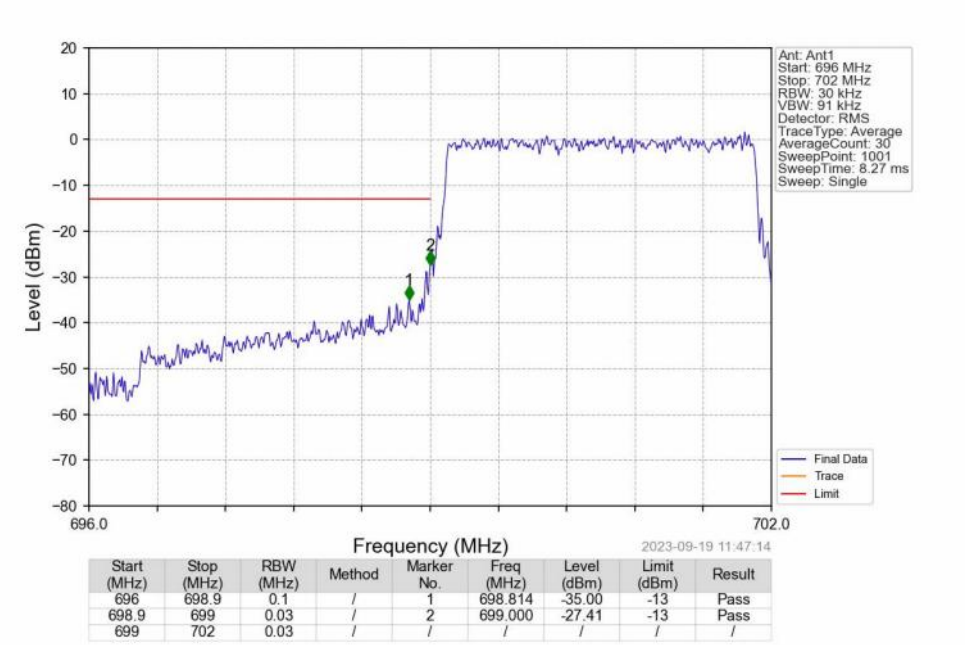


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	/	1	698.808	-31.33	-13	Pass
698.9	699	0.03	/	2	698.988	-18.83	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

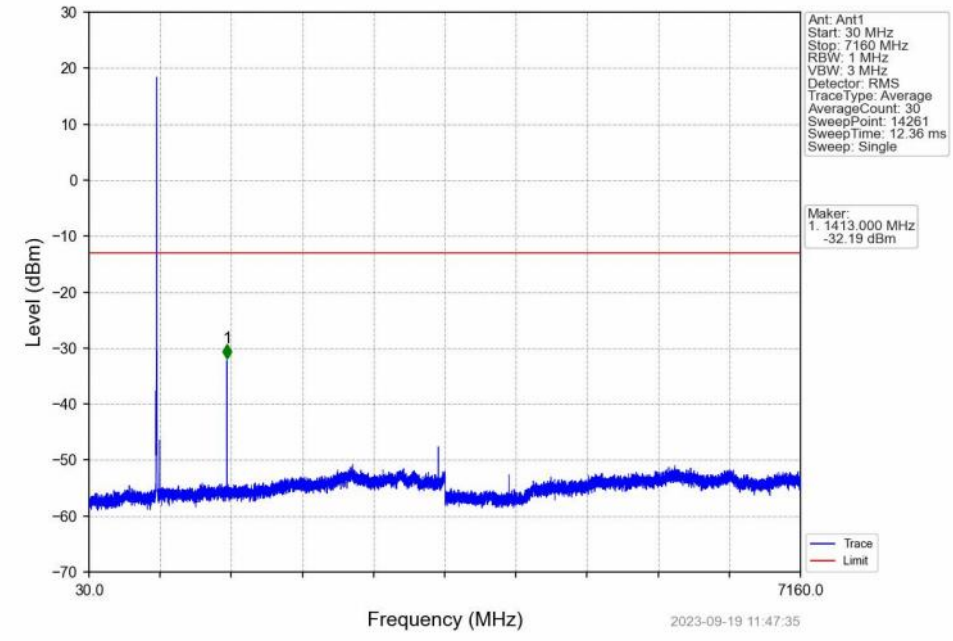


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

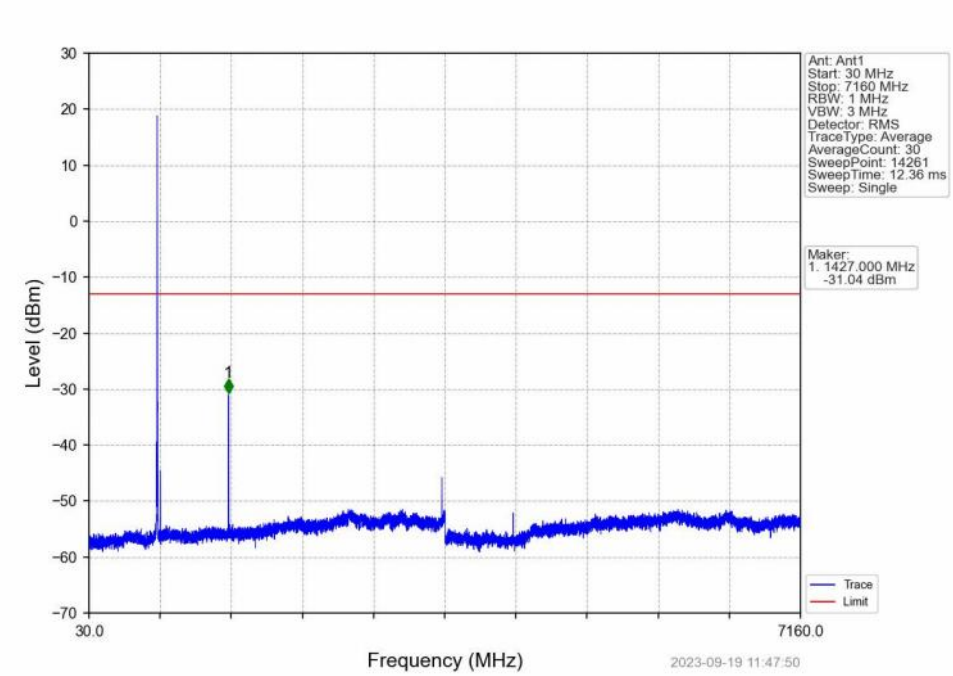


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	/	1	698.814	-35.00	-13	Pass
698.9	699	0.03	/	2	699.000	-27.41	-13	Pass
699	702	0.03	/	/	/	/	/	/

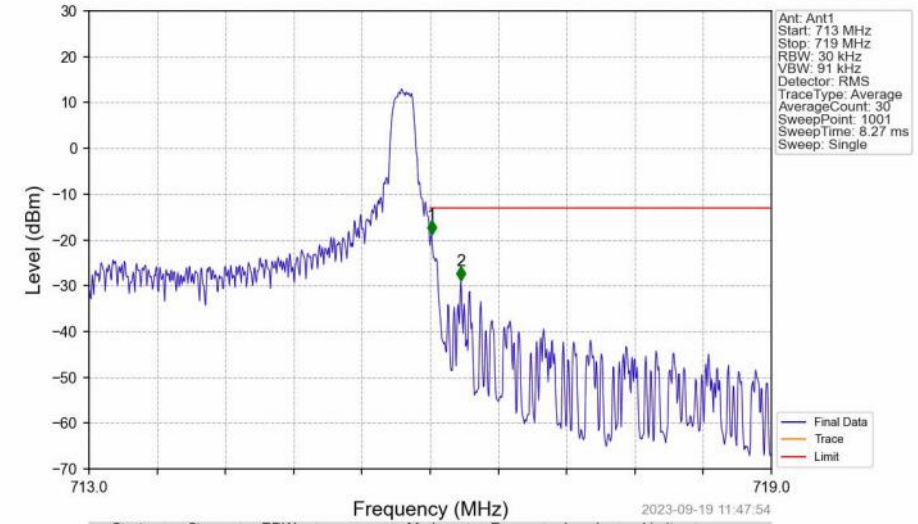
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

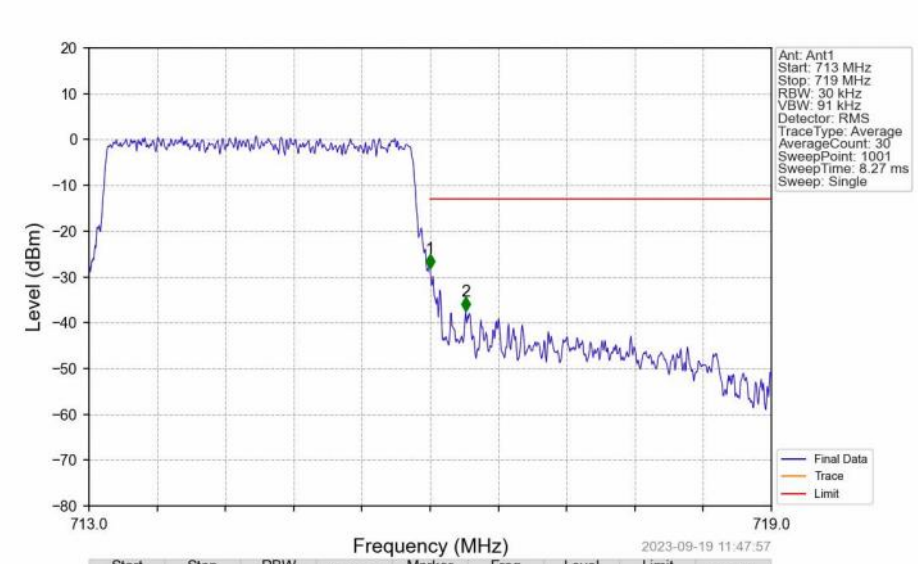


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



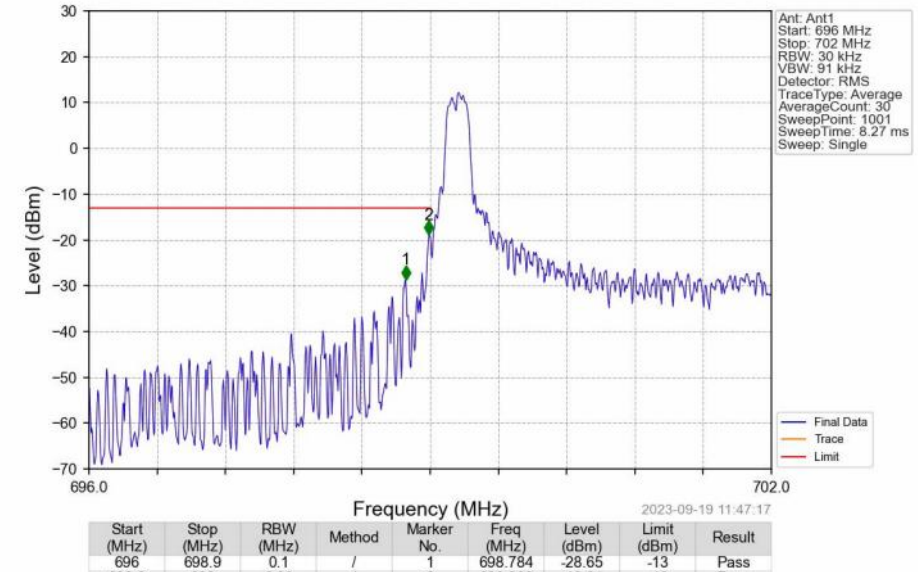
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-18.84	-13	Pass
716.1	719	0.1	/	2	716.270	-28.96	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



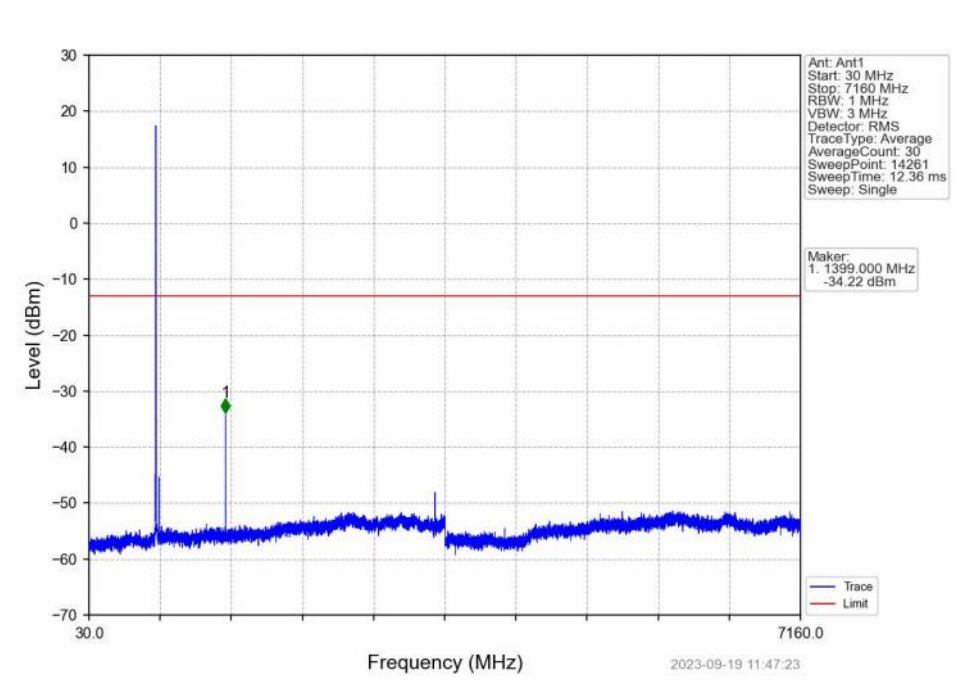
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-28.17	-13	Pass
716.1	719	0.1	/	2	716.312	-37.56	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

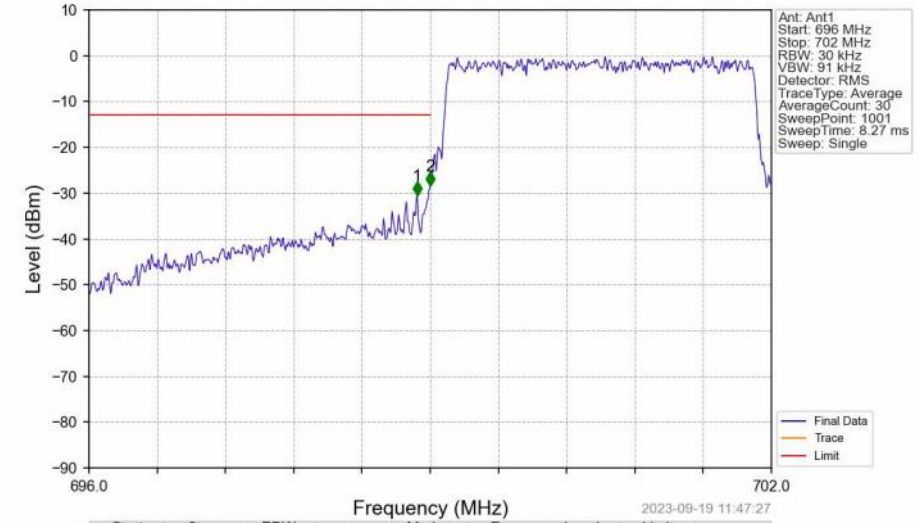


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	/	1	698.784	-28.65	-13	Pass
698.9	699	0.03	/	2	698.988	-18.81	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

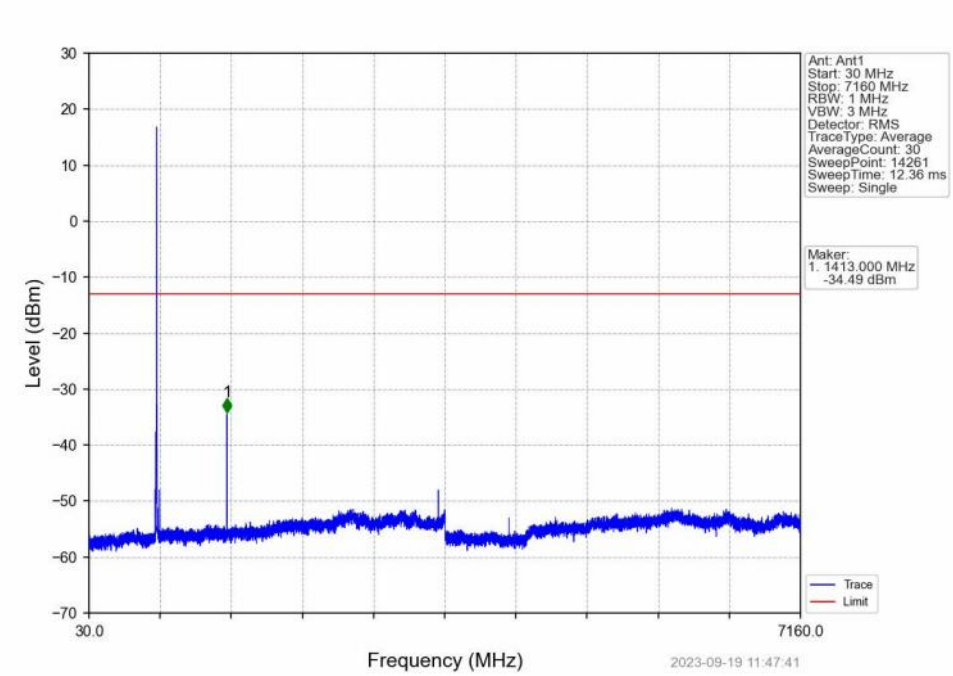


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

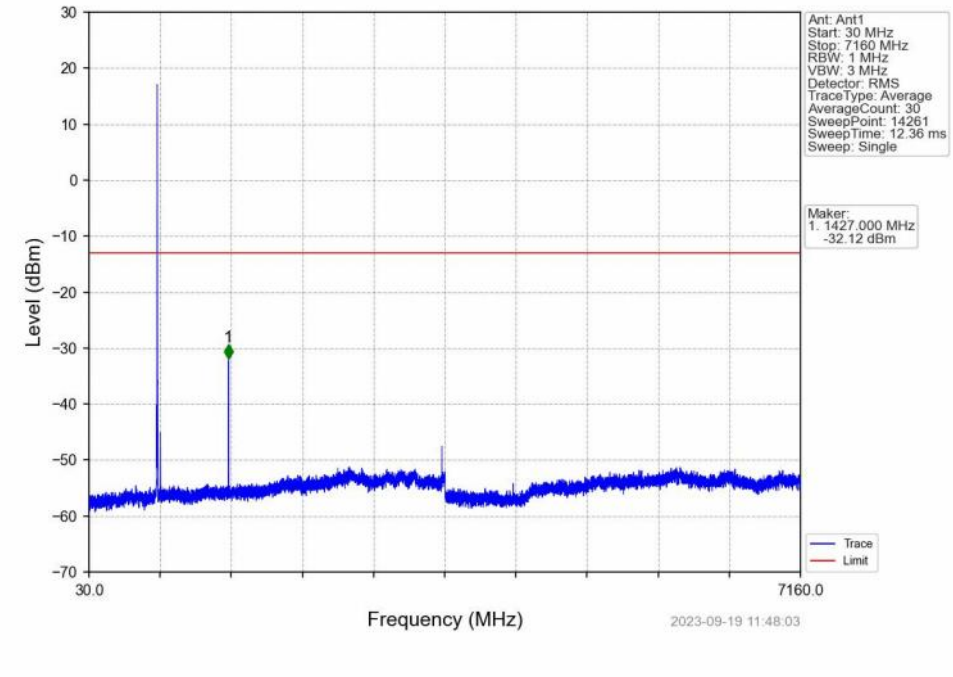


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	/	1	698.886	-30.55	-13	Pass
698.9	699	0.03	/	2	699.000	-28.44	-13	Pass
699	702	0.03	/	/	/	/	/	/

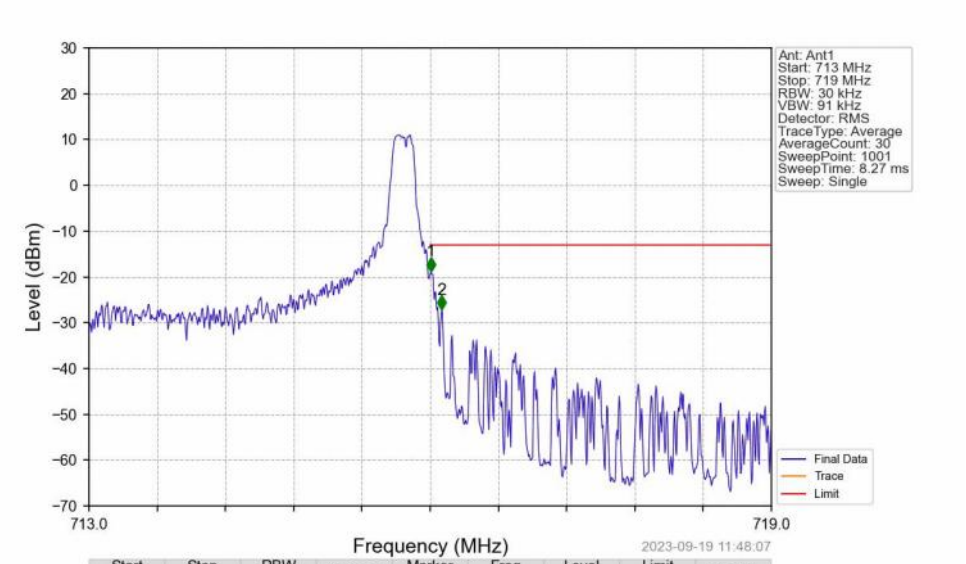
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

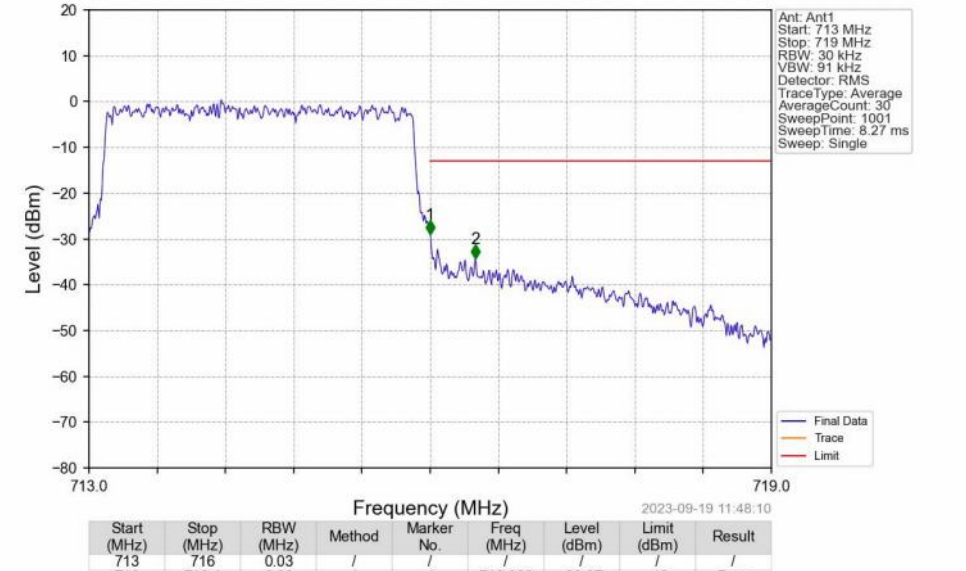


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-18.80	-13	Pass
716.1	719	0.1	/	2	716.102	-27.16	-13	Pass

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-29.07	-13	Pass
716.1	719	0.1	/	2	716.396	-34.31	-13	Pass

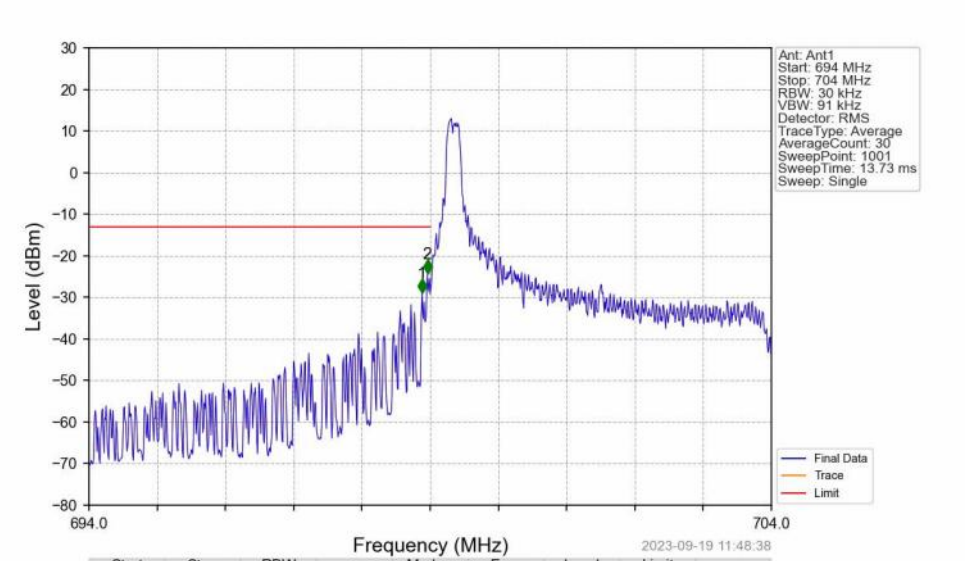
6.3 B12_5MHz

6.3.1 Test Result

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

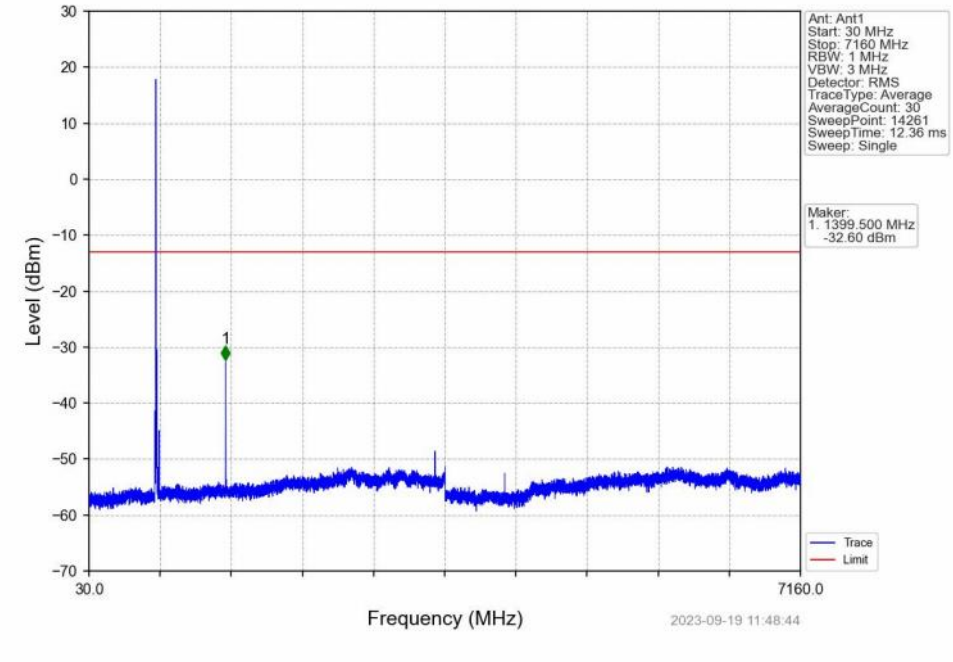
6.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

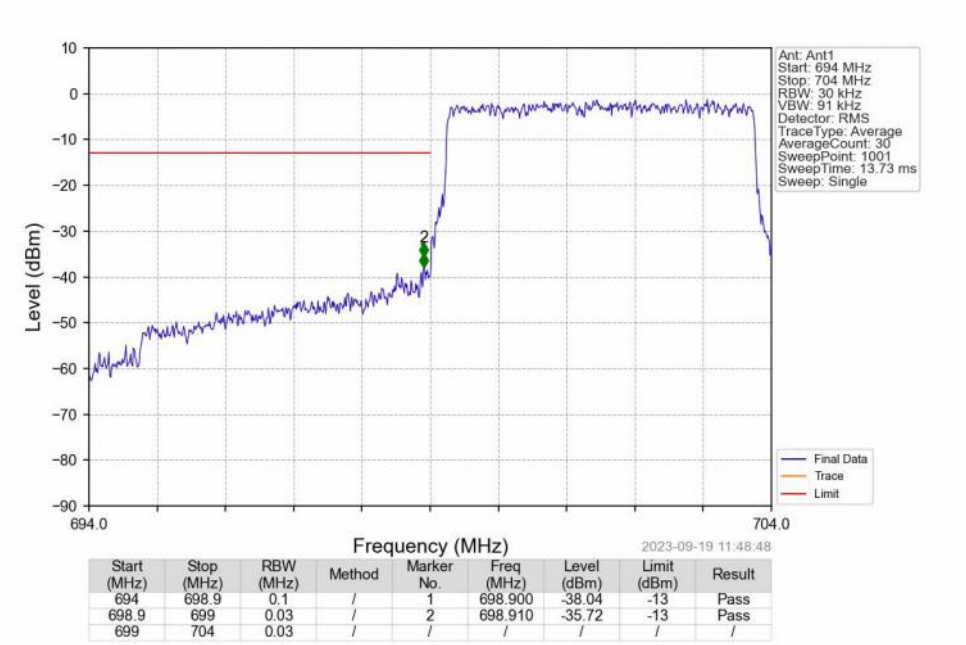


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	/	1	698.880	-28.92	-13	Pass
698.9	699	0.03	/	2	698.960	-24.40	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

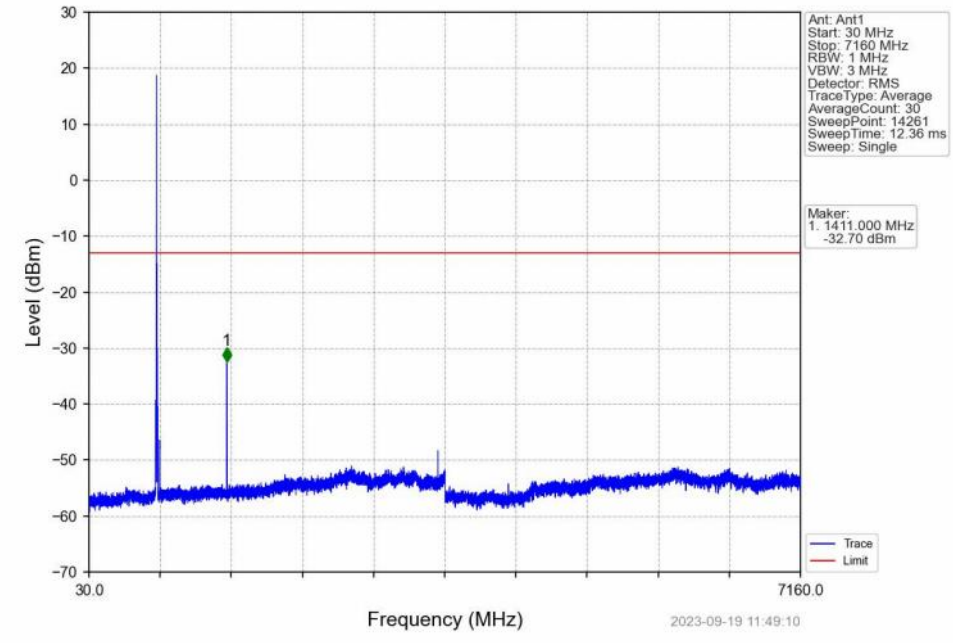


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

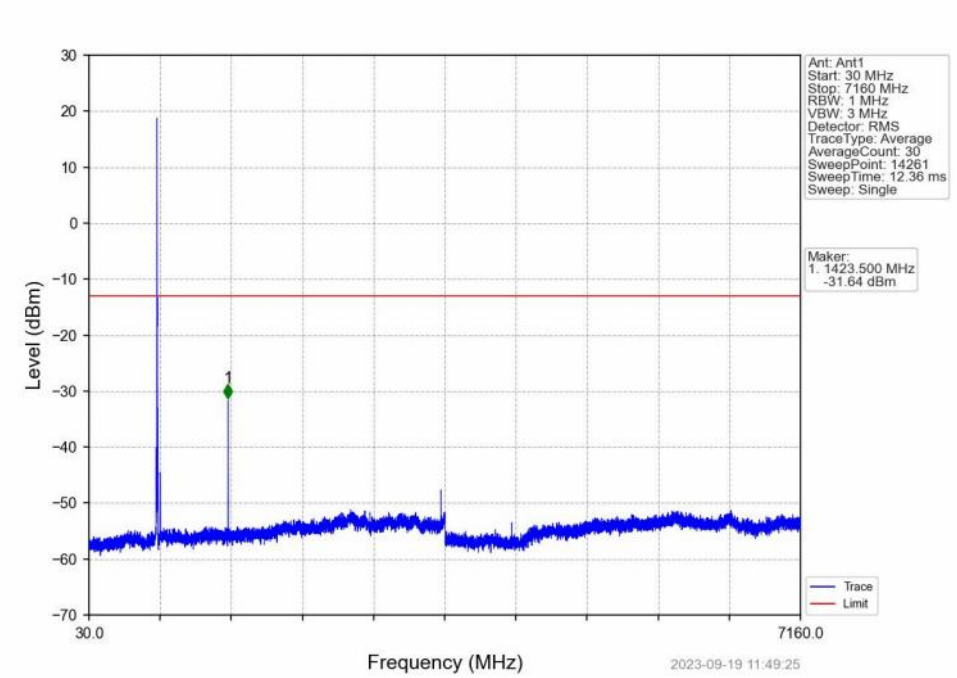


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	/	1	698.900	-38.04	-13	Pass
698.9	699	0.03	/	2	698.910	-35.72	-13	Pass
699	704	0.03	/	/	/	/	/	/

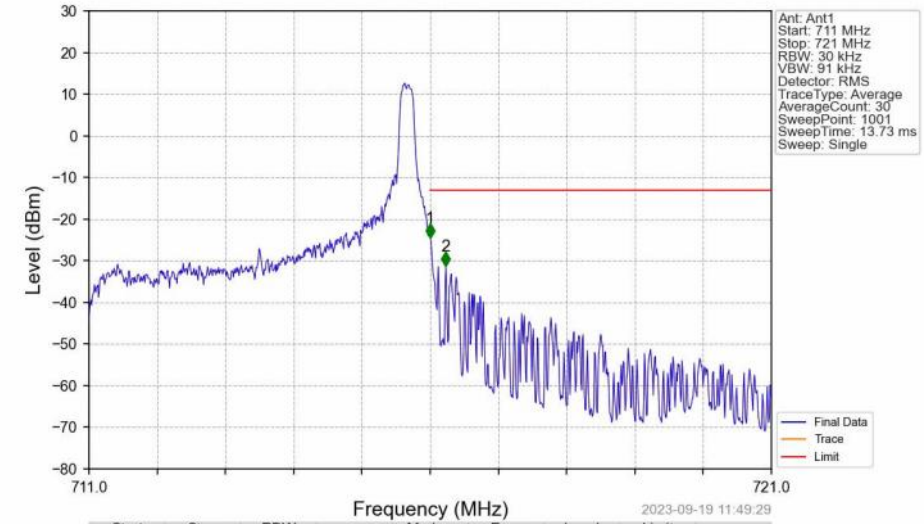
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

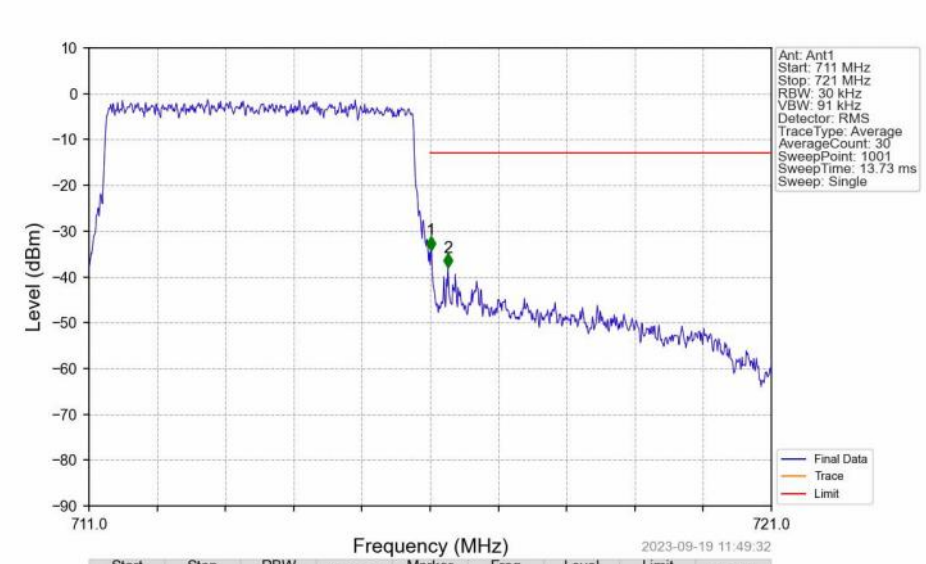


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



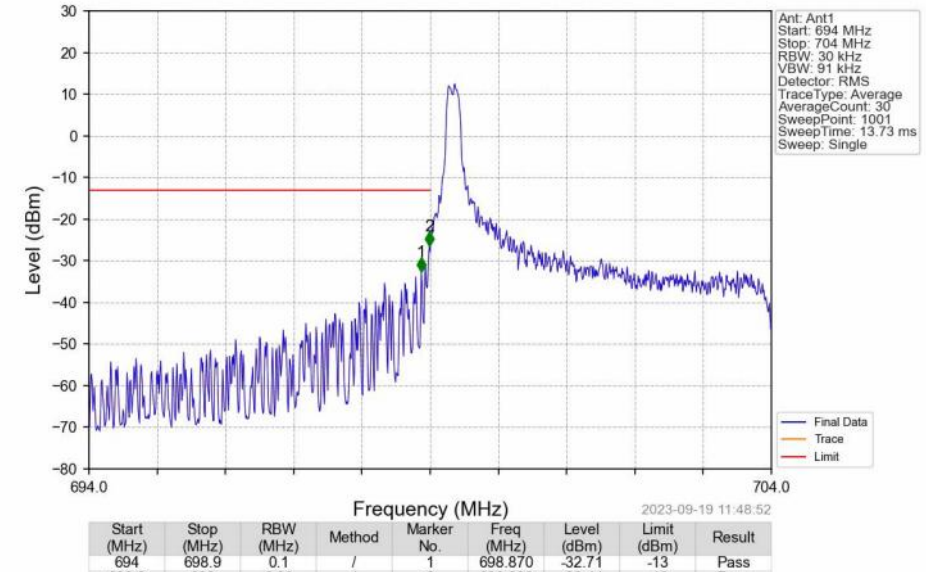
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-24.51	-13	Pass
716.1	721	0.1	/	2	716.230	-31.25	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



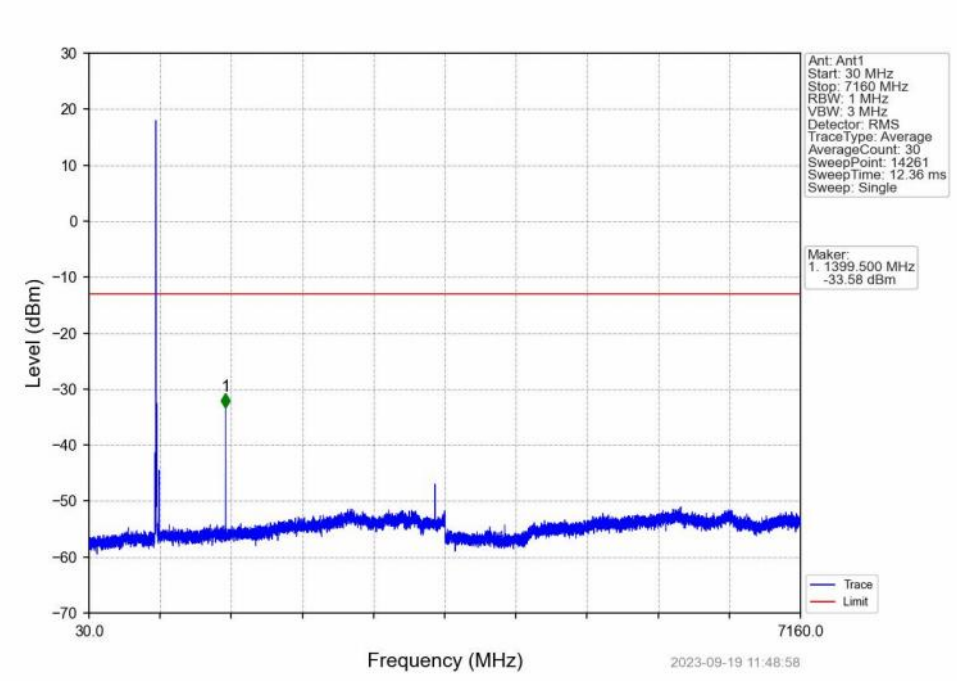
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-34.21	-13	Pass
716.1	721	0.1	/	2	716.260	-38.02	-13	Pass

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

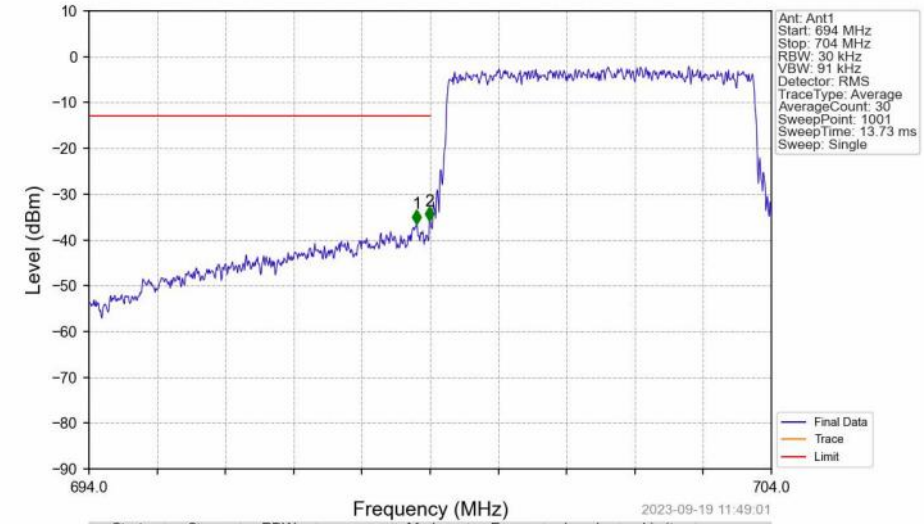


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	/	1	698.870	-32.71	-13	Pass
698.9	699	0.03	/	2	698.990	-26.44	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

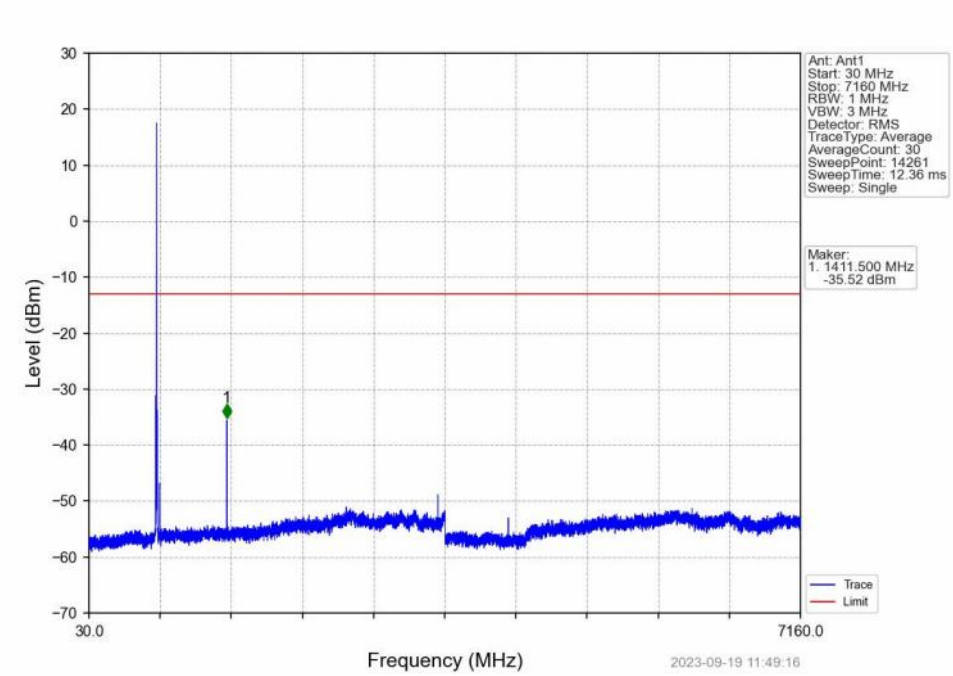


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

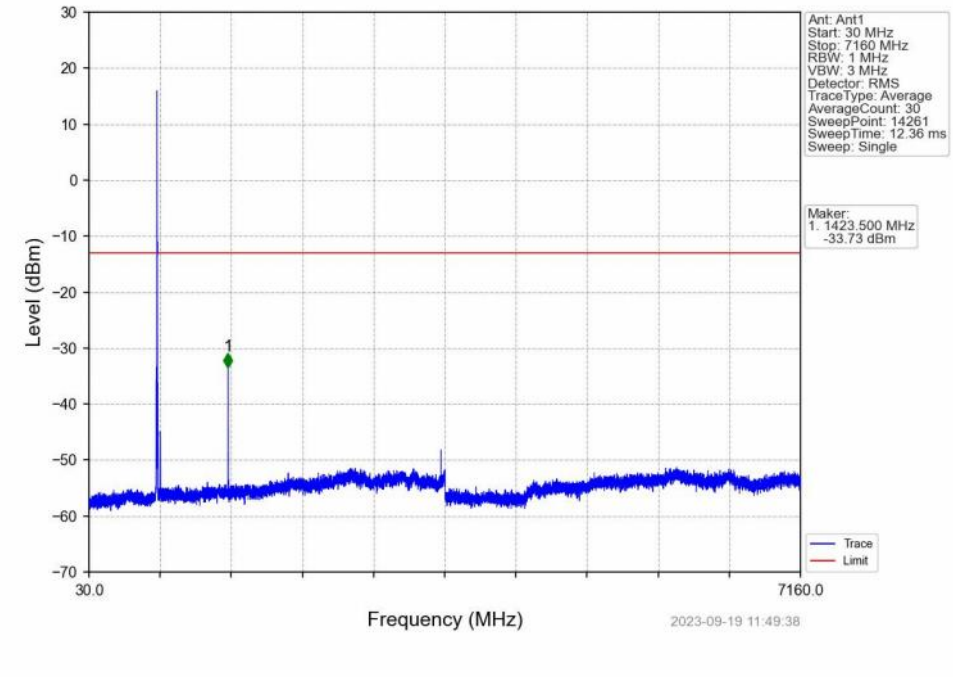


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	/	1	698.800	-36.50	-13	Pass
698.9	699	0.03	/	2	698.990	-35.90	-13	Pass
699	704	0.03	/	/	/	/	/	/

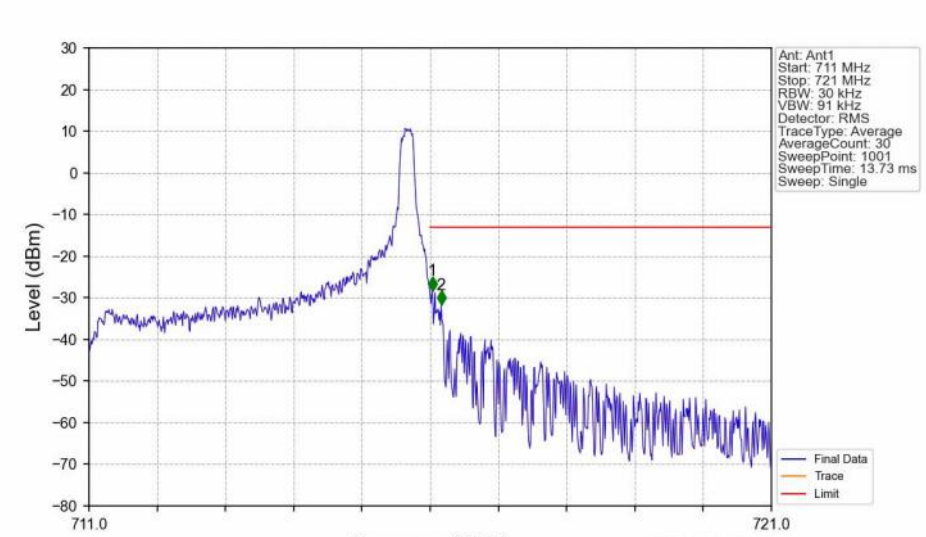
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

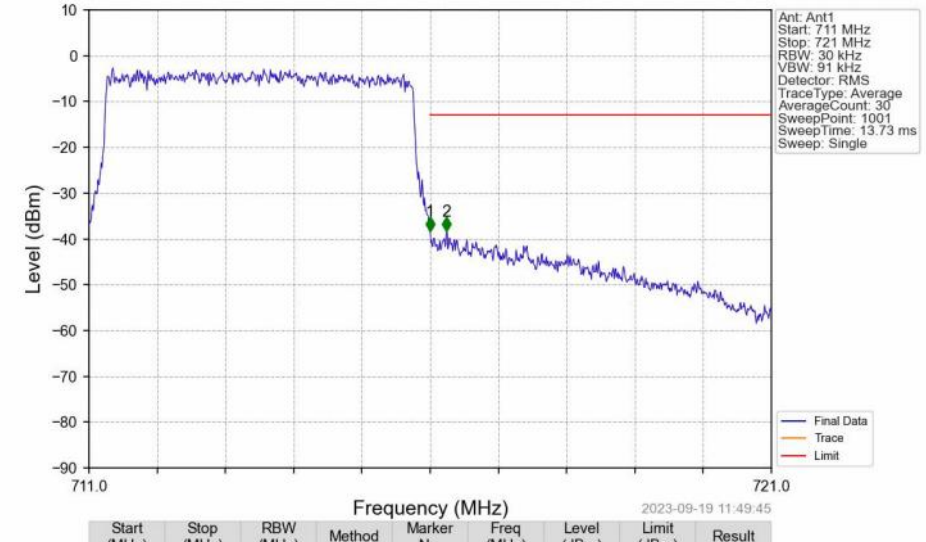


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	-28.32	-13	Pass
716.1	721	0.1	/	2	716.160	-31.77	-13	Pass

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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	716.000	-38.35	-13	Pass
716.1	721	0.1	/	2	716.240	-38.36	-13	Pass

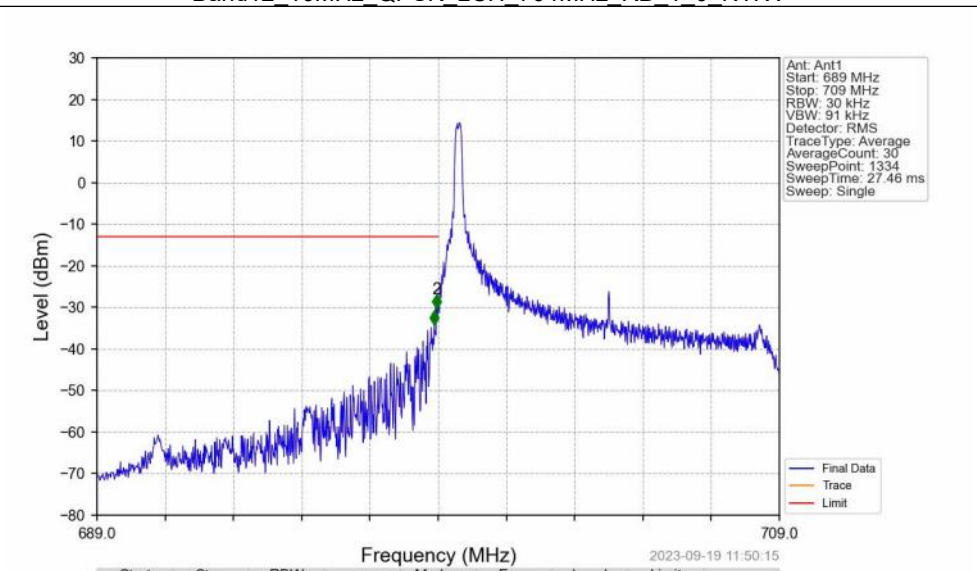
6.4 B12_10MHz

6.4.1 Test Result

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

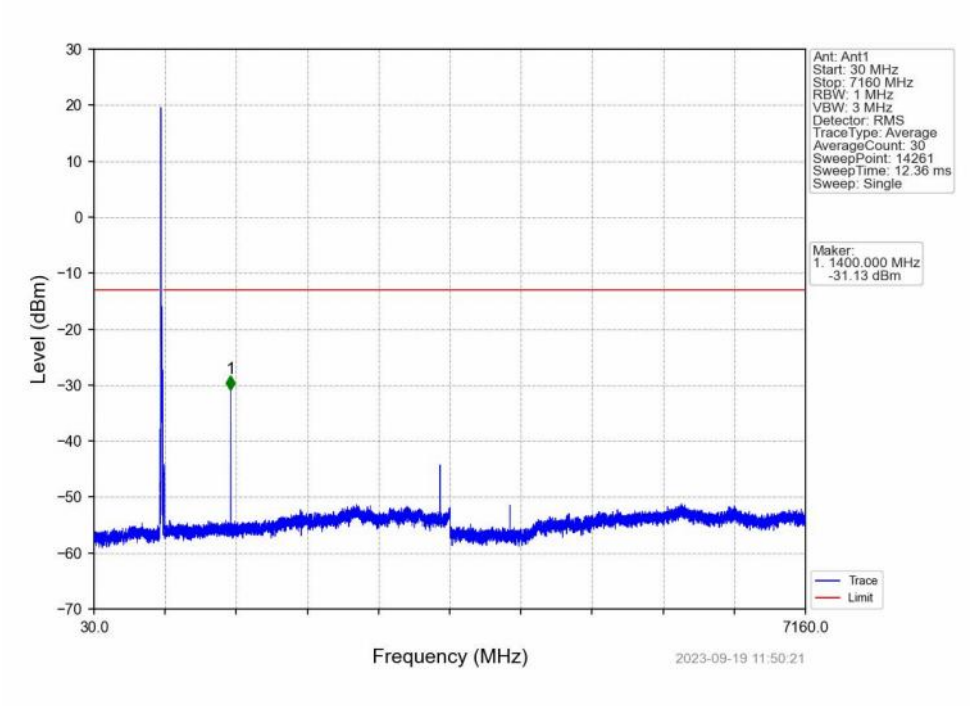
6.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

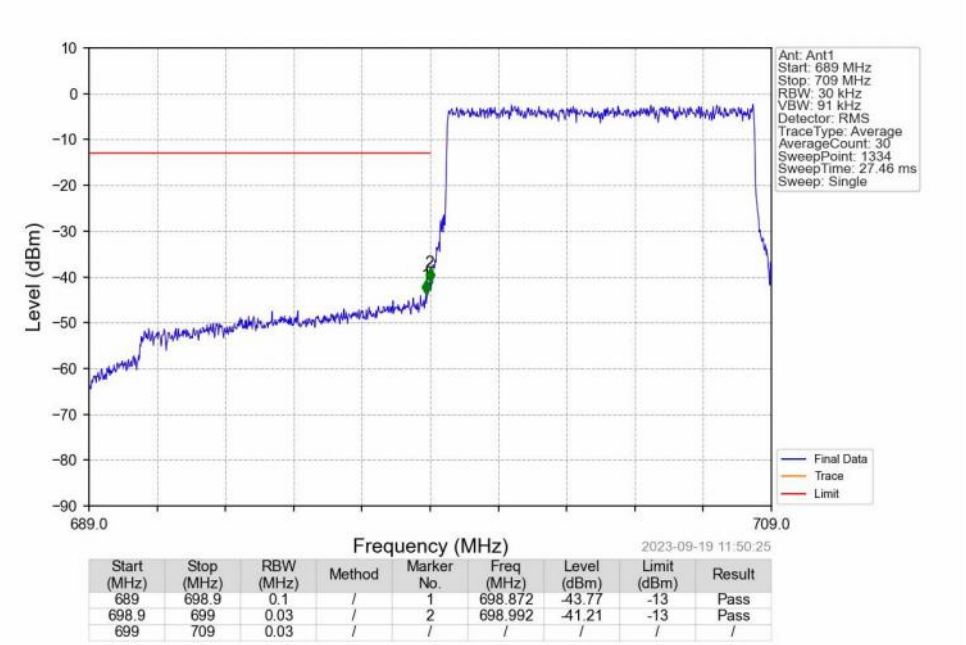


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	/	1	698.887	-34.23	-13	Pass
698.9	699	0.03	/	2	698.947	-30.29	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

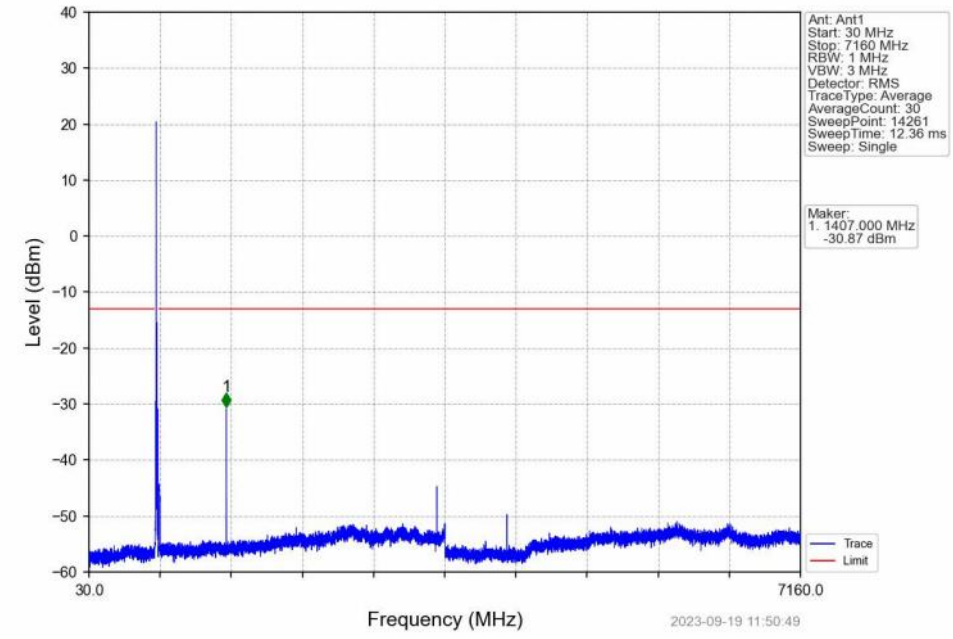


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

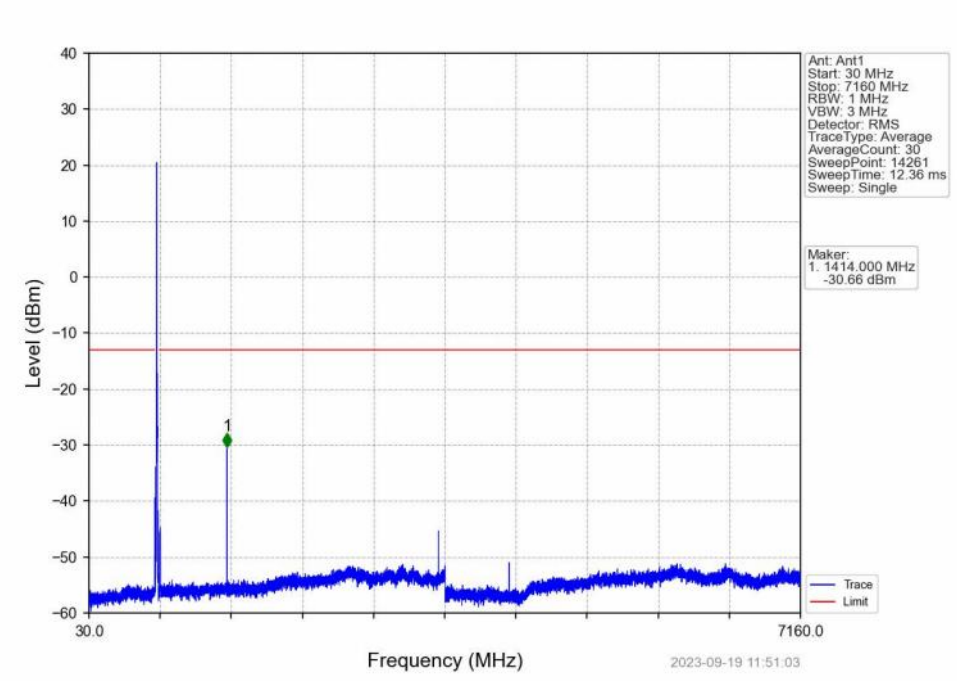


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	/	1	698.872	-43.77	-13	Pass
698.9	699	0.03	/	2	698.992	-41.21	-13	Pass
699	709	0.03	/	/	/	/	/	/

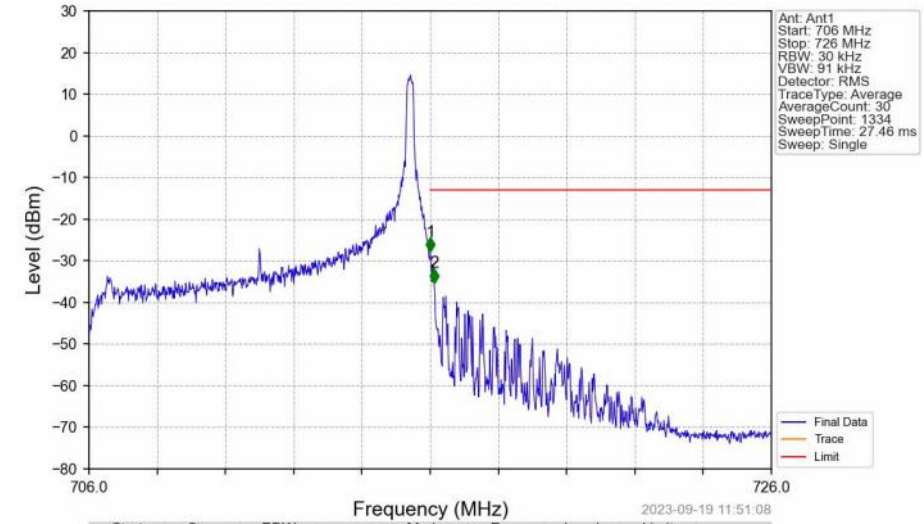
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

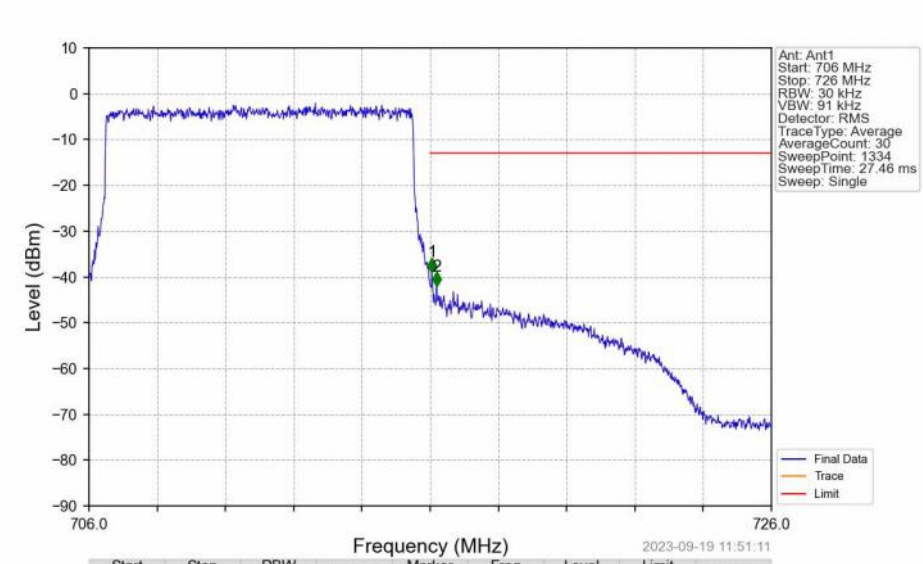


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



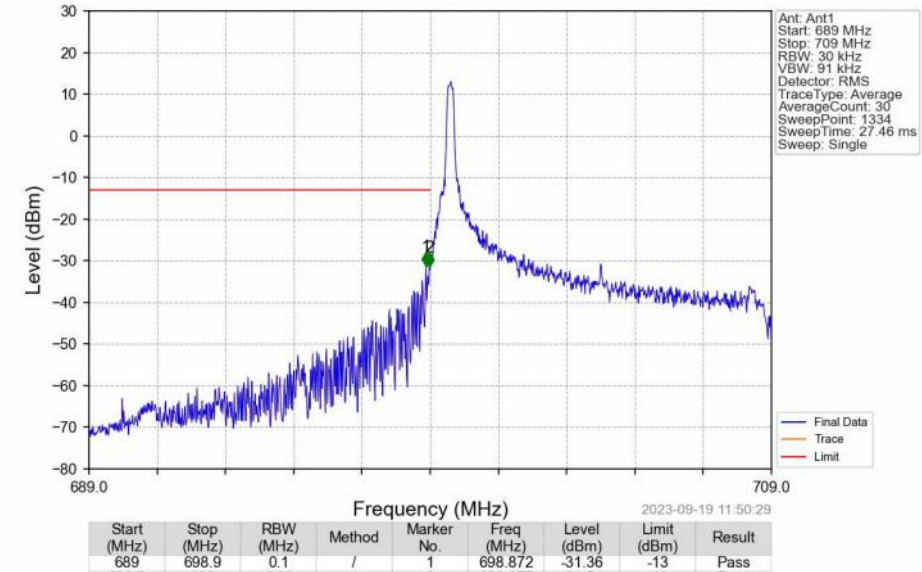
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-27.82	-13	Pass
716.1	726	0.1	/	2	716.113	-35.29	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



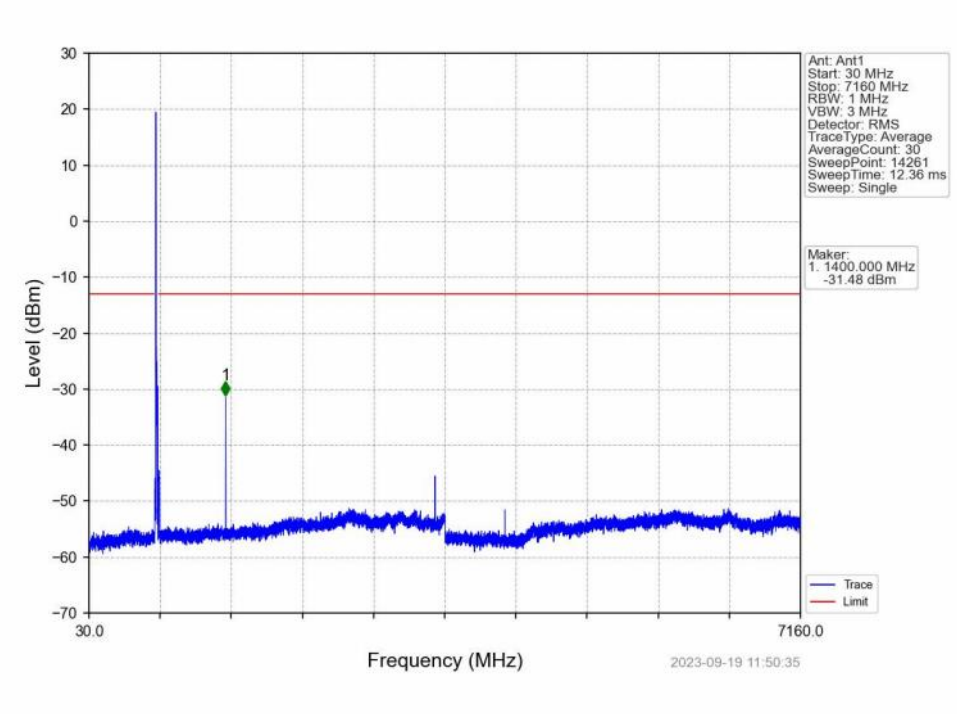
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.053	-38.96	-13	Pass
716.1	726	0.1	/	2	716.188	-42.01	-13	Pass

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

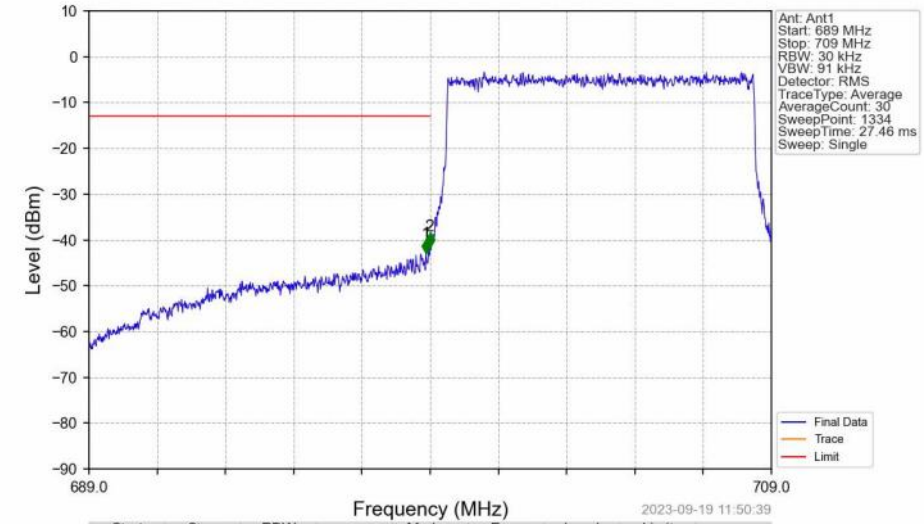


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	/	1	698.872	-31.36	-13	Pass
698.9	699	0.03	/	2	698.977	-31.51	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

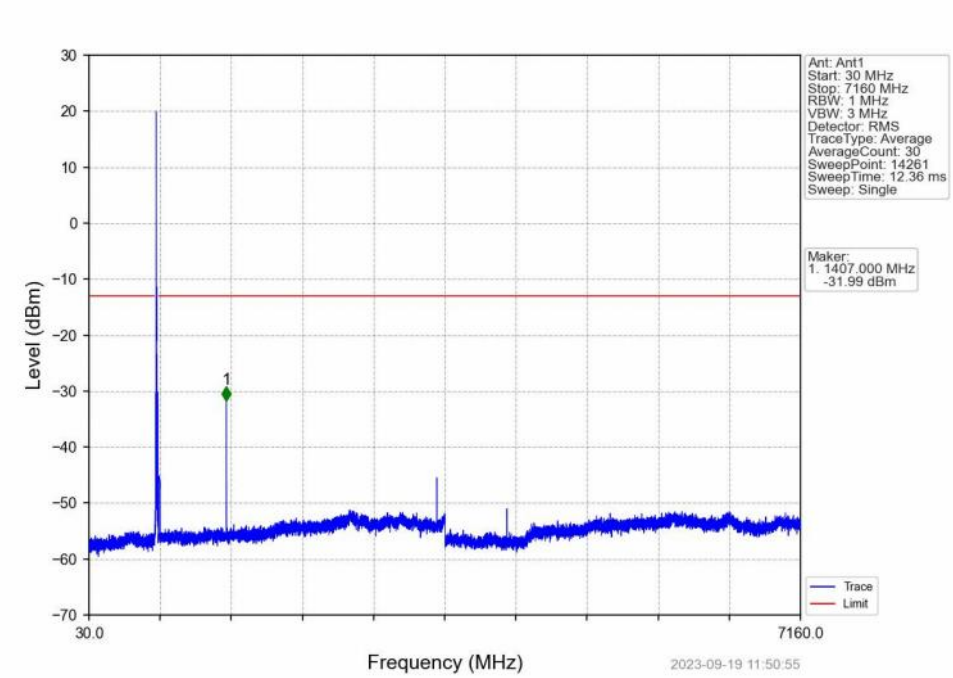


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

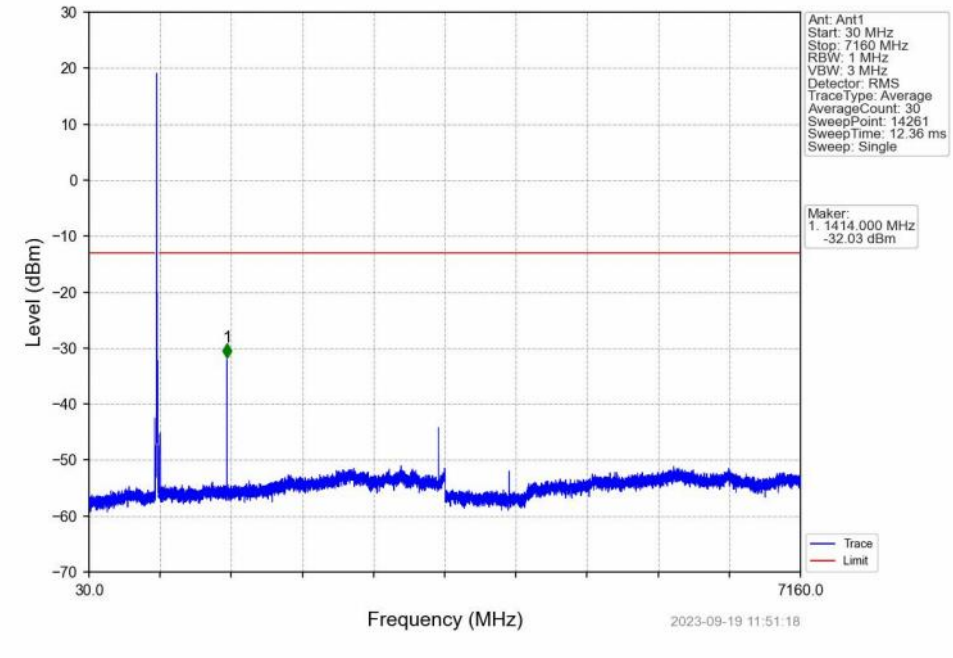


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	/	1	698.872	-42.89	-13	Pass
698.9	699	0.03	/	2	698.992	-41.43	-13	Pass
699	709	0.03	/	/	/	/	/	/

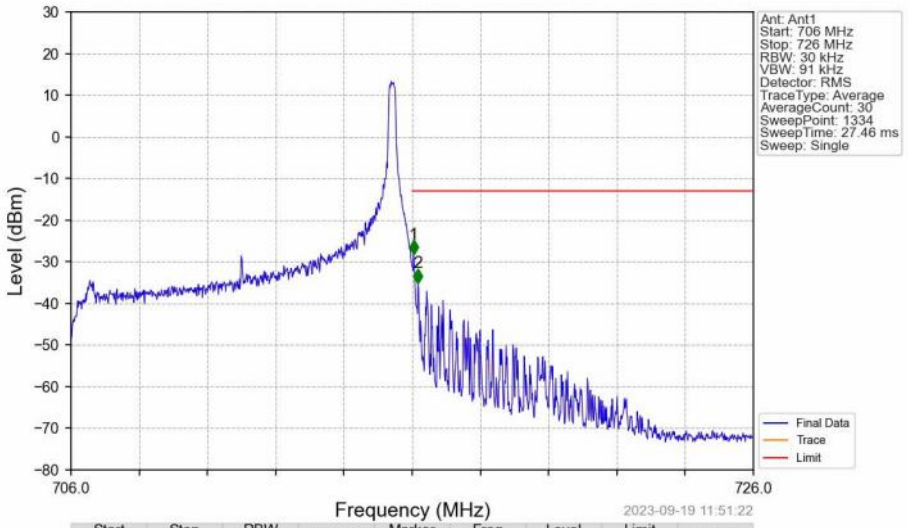
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

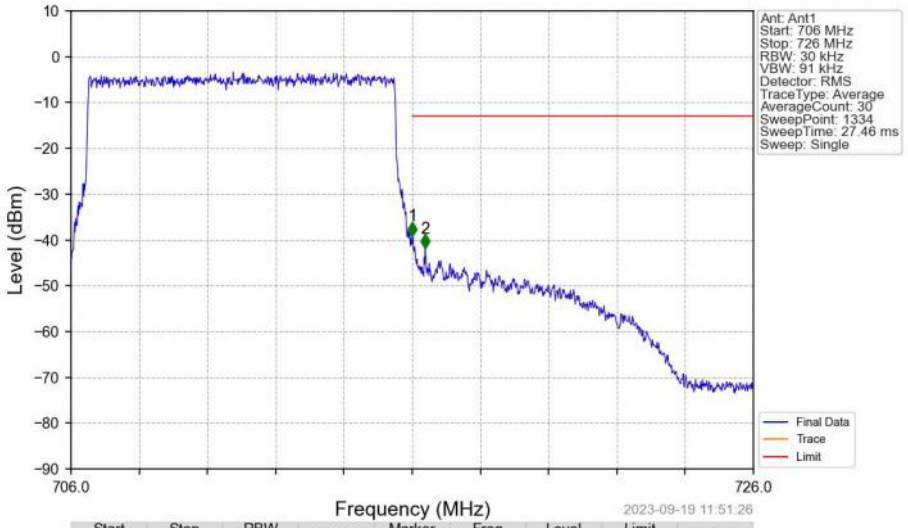


Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-28.27	-13	Pass
716.1	726	0.1	/	2	716.173	-35.10	-13	Pass

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-39.15	-13	Pass
716.1	726	0.1	/	2	716.383	-41.90	-13	Pass

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	0.1419	0.0571	ppm	1M12G7D	27H	21.52
12	1.4	699.7	715.3	0.1374	0.0596	ppm	1M13W7D	27H	21.38
12	3	700.5	714.5	0.1384	0.0310	ppm	2M77G7D	27H	21.41
12	3	700.5	714.5	0.1197	0.0458	ppm	2M80W7D	27H	20.78
12	5	701.5	713.5	0.1081	0.0252	ppm	4M60G7D	27H	20.34
12	5	701.5	713.5	0.1086	0.0288	ppm	4M62W7D	27H	20.36
12	10	704	711	0.0532	0.0127	ppm	9M09G7D	27H	17.26
12	10	704	711	0.0914	0.0246	ppm	9M08W7D	27H	19.61

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	0.0889	0.0571	ppm	1M12G7D	27H	19.49
12	1.4	699.7	715.3	0.0861	0.0596	ppm	1M13W7D	27H	19.35
12	3	700.5	714.5	0.0867	0.0310	ppm	2M77G7D	27H	19.38
12	3	700.5	714.5	0.0750	0.0458	ppm	2M80W7D	27H	18.75
12	5	701.5	713.5	0.0678	0.0252	ppm	4M60G7D	27H	18.31
12	5	701.5	713.5	0.0681	0.0288	ppm	4M62W7D	27H	18.33
12	10	704	711	0.0333	0.0127	ppm	9M09G7D	27H	15.23
12	10	704	711	0.0573	0.0246	ppm	9M08W7D	27H	17.58