

Appendix - band_12

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	21.69	-1.91	17.63	<=34.77	Pass	
			2	21.72	-1.91	17.66	<=34.77	Pass	
			5	21.70	-1.91	17.64	<=34.77	Pass	
		3	0	21.62	-1.91	17.56	<=34.77	Pass	
			2	21.67	-1.91	17.61	<=34.77	Pass	
			3	21.64	-1.91	17.58	<=34.77	Pass	
		6	0	20.56	-1.91	16.50	<=34.77	Pass	
		707.5	1	0	21.42	-1.91	17.36	<=34.77	Pass
				2	21.59	-1.91	17.53	<=34.77	Pass
	5			21.57	-1.91	17.51	<=34.77	Pass	
	3		0	21.52	-1.91	17.46	<=34.77	Pass	
			2	21.55	-1.91	17.49	<=34.77	Pass	
			3	21.48	-1.91	17.42	<=34.77	Pass	
	715.3	6	0	20.52	-1.91	16.46	<=34.77	Pass	
		1	0	21.56	-1.91	17.50	<=34.77	Pass	
			2	21.57	-1.91	17.51	<=34.77	Pass	
			5	21.59	-1.91	17.53	<=34.77	Pass	
		3	0	21.44	-1.91	17.38	<=34.77	Pass	
			2	21.37	-1.91	17.31	<=34.77	Pass	
			3	21.38	-1.91	17.32	<=34.77	Pass	
		6	0	20.44	-1.91	16.38	<=34.77	Pass	
16QAM		699.7	1	0	20.72	-1.91	16.66	<=34.77	Pass
	2			20.64	-1.91	16.58	<=34.77	Pass	
	5			20.64	-1.91	16.58	<=34.77	Pass	
	3		0	20.40	-1.91	16.34	<=34.77	Pass	
			2	20.34	-1.91	16.28	<=34.77	Pass	
			3	20.32	-1.91	16.26	<=34.77	Pass	
	6		0	20.01	-1.91	15.95	<=34.77	Pass	
	707.5	1	0	21.07	-1.91	17.01	<=34.77	Pass	
			2	21.11	-1.91	17.05	<=34.77	Pass	
			5	21.24	-1.91	17.18	<=34.77	Pass	
		3	0	20.55	-1.91	16.49	<=34.77	Pass	
			2	20.55	-1.91	16.49	<=34.77	Pass	
			3	20.55	-1.91	16.49	<=34.77	Pass	
	6	0	19.69	-1.91	15.63	<=34.77	Pass		
	715.3	1	0	20.47	-1.91	16.41	<=34.77	Pass	
			2	20.51	-1.91	16.45	<=34.77	Pass	
			5	20.53	-1.91	16.47	<=34.77	Pass	
		3	0	20.11	-1.91	16.05	<=34.77	Pass	
			2	20.17	-1.91	16.11	<=34.77	Pass	
			3	20.11	-1.91	16.05	<=34.77	Pass	
		6	0	20.06	-1.91	16.00	<=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	21.78	-1.91	17.72	<=34.77	Pass	
			7	21.75	-1.91	17.69	<=34.77	Pass	
			14	21.71	-1.91	17.65	<=34.77	Pass	
		8	0	20.64	-1.91	16.58	<=34.77	Pass	
			4	20.56	-1.91	16.50	<=34.77	Pass	
			7	20.55	-1.91	16.49	<=34.77	Pass	
		15	0	20.64	-1.91	16.58	<=34.77	Pass	
		707.5	1	0	21.47	-1.91	17.41	<=34.77	Pass
				7	21.56	-1.91	17.50	<=34.77	Pass
	14			21.48	-1.91	17.42	<=34.77	Pass	
	8		0	20.58	-1.91	16.52	<=34.77	Pass	
			4	20.58	-1.91	16.52	<=34.77	Pass	
			7	20.53	-1.91	16.47	<=34.77	Pass	
	15	0	20.63	-1.91	16.57	<=34.77	Pass		
	714.5	1	0	21.39	-1.91	17.33	<=34.77	Pass	
			7	21.37	-1.91	17.31	<=34.77	Pass	
			14	21.39	-1.91	17.33	<=34.77	Pass	
		8	0	20.44	-1.91	16.38	<=34.77	Pass	
			4	20.36	-1.91	16.30	<=34.77	Pass	
			7	20.44	-1.91	16.38	<=34.77	Pass	
		15	0	20.47	-1.91	16.41	<=34.77	Pass	
16QAM		700.5	1	0	20.73	-1.91	16.67	<=34.77	Pass
				7	20.65	-1.91	16.59	<=34.77	Pass
	14			20.65	-1.91	16.59	<=34.77	Pass	
	8		0	20.14	-1.91	16.08	<=34.77	Pass	
			4	20.11	-1.91	16.05	<=34.77	Pass	
			7	19.87	-1.91	15.81	<=34.77	Pass	
	15		0	19.98	-1.91	15.92	<=34.77	Pass	
	707.5	1	0	21.83	-1.91	17.77	<=34.77	Pass	
			7	21.81	-1.91	17.75	<=34.77	Pass	
			14	21.74	-1.91	17.68	<=34.77	Pass	
		8	0	19.66	-1.91	15.60	<=34.77	Pass	
			4	19.67	-1.91	15.61	<=34.77	Pass	
			7	19.64	-1.91	15.58	<=34.77	Pass	
	15	0	19.65	-1.91	15.59	<=34.77	Pass		
	714.5	1	0	21.13	-1.91	17.07	<=34.77	Pass	
			7	21.13	-1.91	17.07	<=34.77	Pass	
			14	21.08	-1.91	17.02	<=34.77	Pass	
		8	0	20.19	-1.91	16.13	<=34.77	Pass	
			4	20.21	-1.91	16.15	<=34.77	Pass	
			7	20.02	-1.91	15.96	<=34.77	Pass	
		15	0	19.99	-1.91	15.93	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	21.57	-1.91	17.51	<=34.77	Pass
			13	21.38	-1.91	17.32	<=34.77	Pass
			24	21.48	-1.91	17.42	<=34.77	Pass
		12	0	20.54	-1.91	16.48	<=34.77	Pass
			6	20.56	-1.91	16.50	<=34.77	Pass
			13	20.49	-1.91	16.43	<=34.77	Pass

16QAM	707.5	25	0	20.52	-1.91	16.46	<=34.77	Pass
			0	21.47	-1.91	17.41	<=34.77	Pass
			13	21.44	-1.91	17.38	<=34.77	Pass
		1	24	21.43	-1.91	17.37	<=34.77	Pass
			0	20.50	-1.91	16.44	<=34.77	Pass
			6	20.62	-1.91	16.56	<=34.77	Pass
			13	20.54	-1.91	16.48	<=34.77	Pass
		12	0	20.58	-1.91	16.52	<=34.77	Pass
			0	21.49	-1.91	17.43	<=34.77	Pass
	713.5	1	13	21.39	-1.91	17.33	<=34.77	Pass
			24	21.35	-1.91	17.29	<=34.77	Pass
			0	20.35	-1.91	16.29	<=34.77	Pass
		12	6	20.48	-1.91	16.42	<=34.77	Pass
			13	20.55	-1.91	16.49	<=34.77	Pass
			0	20.40	-1.91	16.34	<=34.77	Pass
	701.5	1	0	21.08	-1.91	17.02	<=34.77	Pass
			13	21.01	-1.91	16.95	<=34.77	Pass
			24	21.11	-1.91	17.05	<=34.77	Pass
		12	0	19.92	-1.91	15.86	<=34.77	Pass
			6	19.70	-1.91	15.64	<=34.77	Pass
			13	19.59	-1.91	15.53	<=34.77	Pass
		25	0	19.57	-1.91	15.51	<=34.77	Pass
	707.5	1	0	20.97	-1.91	16.91	<=34.77	Pass
			13	20.90	-1.91	16.84	<=34.77	Pass
			24	20.85	-1.91	16.79	<=34.77	Pass
		12	0	19.66	-1.91	15.60	<=34.77	Pass
			6	19.68	-1.91	15.62	<=34.77	Pass
			13	19.53	-1.91	15.47	<=34.77	Pass
		25	0	19.53	-1.91	15.47	<=34.77	Pass
	713.5	1	0	20.10	-1.91	16.04	<=34.77	Pass
			13	20.10	-1.91	16.04	<=34.77	Pass
			24	20.09	-1.91	16.03	<=34.77	Pass
		12	0	19.73	-1.91	15.67	<=34.77	Pass
			6	19.85	-1.91	15.79	<=34.77	Pass
			13	19.85	-1.91	15.79	<=34.77	Pass
		25	0	19.97	-1.91	15.91	<=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	21.53	-1.91	17.47	<=34.77	Pass
			25	21.46	-1.91	17.40	<=34.77	Pass
			49	21.40	-1.91	17.34	<=34.77	Pass
		25	0	20.49	-1.91	16.43	<=34.77	Pass
			13	20.67	-1.91	16.61	<=34.77	Pass
			25	20.59	-1.91	16.53	<=34.77	Pass
		50	0	20.62	-1.91	16.56	<=34.77	Pass
	707.5	1	0	21.47	-1.91	17.41	<=34.77	Pass
			25	21.61	-1.91	17.55	<=34.77	Pass
			49	21.56	-1.91	17.50	<=34.77	Pass
		25	0	20.55	-1.91	16.49	<=34.77	Pass
			13	20.48	-1.91	16.42	<=34.77	Pass
			25	20.47	-1.91	16.41	<=34.77	Pass
		50	0	20.56	-1.91	16.50	<=34.77	Pass
	711	1	0	21.45	-1.91	17.39	<=34.77	Pass

		25	25	21.39	-1.91	17.33	<=34.77	Pass		
			49	21.36	-1.91	17.30	<=34.77	Pass		
			0	20.48	-1.91	16.42	<=34.77	Pass		
			13	20.47	-1.91	16.41	<=34.77	Pass		
			25	20.44	-1.91	16.38	<=34.77	Pass		
		50	0	20.53	-1.91	16.47	<=34.77	Pass		
		16QAM	704	1	0	20.78	-1.91	16.72	<=34.77	Pass
					25	20.73	-1.91	16.67	<=34.77	Pass
					49	20.66	-1.91	16.60	<=34.77	Pass
25	0			19.85	-1.91	15.79	<=34.77	Pass		
	13			20.11	-1.91	16.05	<=34.77	Pass		
	25			19.76	-1.91	15.70	<=34.77	Pass		
50	0			19.99	-1.91	15.93	<=34.77	Pass		
707.5	1			0	20.97	-1.91	16.91	<=34.77	Pass	
				25	21.03	-1.91	16.97	<=34.77	Pass	
		49	21.03	-1.91	16.97	<=34.77	Pass			
	25	0	19.72	-1.91	15.66	<=34.77	Pass			
		13	19.71	-1.91	15.65	<=34.77	Pass			
		25	19.92	-1.91	15.86	<=34.77	Pass			
	50	0	19.69	-1.91	15.63	<=34.77	Pass			
	711	1	0	21.00	-1.91	16.94	<=34.77	Pass		
			25	21.02	-1.91	16.96	<=34.77	Pass		
49			20.96	-1.91	16.90	<=34.77	Pass			
25		0	19.61	-1.91	15.55	<=34.77	Pass			
		13	19.88	-1.91	15.82	<=34.77	Pass			
		25	19.96	-1.91	15.90	<=34.77	Pass			
50		0	19.91	-1.91	15.85	<=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	6.337	0.0091	-2.5 to 2.5	Pass
					3.85	-6.080	-0.0087	-2.5 to 2.5	Pass
					4.43	-23.475	-0.0336	-2.5 to 2.5	Pass
				-30	3.85	-35.176	-0.0503	-2.5 to 2.5	Pass
				-20	3.85	-40.255	-0.0575	-2.5 to 2.5	Pass
				-10	3.85	-41.399	-0.0592	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-7.081	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-14.305	-0.0204	-2.5 to 2.5	Pass
				40	3.85	-18.139	-0.0259	-2.5 to 2.5	Pass
				50	3.85	-20.399	-0.0292	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	9.384	0.0133	-2.5 to 2.5	Pass
					3.85	0.515	0.0007	-2.5 to 2.5	Pass
					4.43	-13.919	-0.0197	-2.5 to 2.5	Pass
				-30	3.85	-24.705	-0.0349	-2.5 to 2.5	Pass
				-20	3.85	-40.455	-0.0572	-2.5 to 2.5	Pass
				-10	3.85	-5.751	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-13.604	-0.0192	-2.5 to 2.5	Pass
				10	3.85	-20.528	-0.0290	-2.5 to 2.5	Pass

	715.3	6	0	30	3.85	-27.037	-0.0382	-2.5 to 2.5	Pass
				40	3.85	-26.822	-0.0379	-2.5 to 2.5	Pass
				50	3.85	-29.683	-0.0420	-2.5 to 2.5	Pass
				20	3.27	6.552	0.0092	-2.5 to 2.5	Pass
					3.85	9.570	0.0134	-2.5 to 2.5	Pass
					4.43	15.550	0.0217	-2.5 to 2.5	Pass
				-30	3.85	20.285	0.0284	-2.5 to 2.5	Pass
				-20	3.85	27.294	0.0382	-2.5 to 2.5	Pass
				-10	3.85	28.324	0.0396	-2.5 to 2.5	Pass
				0	3.85	25.091	0.0351	-2.5 to 2.5	Pass
				10	3.85	28.811	0.0403	-2.5 to 2.5	Pass
				30	3.85	31.543	0.0441	-2.5 to 2.5	Pass
				40	3.85	29.383	0.0411	-2.5 to 2.5	Pass
				50	3.85	27.909	0.0390	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-15.464	-0.0221	-2.5 to 2.5	Pass
					3.85	9.313	0.0133	-2.5 to 2.5	Pass
					4.43	27.781	0.0397	-2.5 to 2.5	Pass
				-30	3.85	36.464	0.0521	-2.5 to 2.5	Pass
				-20	3.85	46.692	0.0667	-2.5 to 2.5	Pass
				-10	3.85	7.153	0.0102	-2.5 to 2.5	Pass
				0	3.85	20.084	0.0287	-2.5 to 2.5	Pass
				10	3.85	26.393	0.0377	-2.5 to 2.5	Pass
				30	3.85	30.169	0.0431	-2.5 to 2.5	Pass
				40	3.85	29.798	0.0426	-2.5 to 2.5	Pass
				50	3.85	33.846	0.0484	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-36.979	-0.0523	-2.5 to 2.5	Pass
					3.85	-35.992	-0.0509	-2.5 to 2.5	Pass
					4.43	-32.043	-0.0453	-2.5 to 2.5	Pass
				-30	3.85	-24.848	-0.0351	-2.5 to 2.5	Pass
				-20	3.85	-24.204	-0.0342	-2.5 to 2.5	Pass
				-10	3.85	-25.592	-0.0362	-2.5 to 2.5	Pass
				0	3.85	-25.935	-0.0367	-2.5 to 2.5	Pass
				10	3.85	-21.272	-0.0301	-2.5 to 2.5	Pass
				30	3.85	-17.080	-0.0241	-2.5 to 2.5	Pass
				40	3.85	-14.520	-0.0205	-2.5 to 2.5	Pass
				50	3.85	-17.352	-0.0245	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	32.115	0.0449	-2.5 to 2.5	Pass
					3.85	37.208	0.0520	-2.5 to 2.5	Pass
					4.43	40.812	0.0571	-2.5 to 2.5	Pass
				-30	3.85	40.483	0.0566	-2.5 to 2.5	Pass
				-20	3.85	45.977	0.0643	-2.5 to 2.5	Pass
				-10	3.85	46.706	0.0653	-2.5 to 2.5	Pass
				0	3.85	3.505	0.0049	-2.5 to 2.5	Pass
				10	3.85	6.609	0.0092	-2.5 to 2.5	Pass
				30	3.85	5.922	0.0083	-2.5 to 2.5	Pass
				40	3.85	11.015	0.0154	-2.5 to 2.5	Pass
				50	3.85	12.689	0.0177	-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	-0.629	-0.0009	-2.5 to 2.5	Pass
					3.85	-42.329	-0.0604	-2.5 to 2.5	Pass
					4.43	-41.871	-0.0598	-2.5 to 2.5	Pass
				-30	3.85	-18.983	-0.0271	-2.5 to 2.5	Pass
				-20	3.85	-44.918	-0.0641	-2.5 to 2.5	Pass

16QAM	707.5	15	0	-10	3.85	-15.922	-0.0227	-2.5 to 2.5	Pass
				0	3.85	-31.571	-0.0451	-2.5 to 2.5	Pass
				10	3.85	-42.143	-0.0602	-2.5 to 2.5	Pass
				30	3.85	-15.607	-0.0223	-2.5 to 2.5	Pass
				40	3.85	-26.994	-0.0385	-2.5 to 2.5	Pass
				50	3.85	-34.132	-0.0487	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	4.449	0.0063	-2.5 to 2.5	Pass
					3.85	-14.520	-0.0205	-2.5 to 2.5	Pass
					4.43	-37.379	-0.0528	-2.5 to 2.5	Pass
				-30	3.85	-2.460	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-18.725	-0.0265	-2.5 to 2.5	Pass
				-10	3.85	-27.967	-0.0395	-2.5 to 2.5	Pass
				0	3.85	-35.462	-0.0501	-2.5 to 2.5	Pass
				10	3.85	-1.731	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-13.962	-0.0197	-2.5 to 2.5	Pass
				40	3.85	-11.015	-0.0156	-2.5 to 2.5	Pass
				50	3.85	-14.434	-0.0204	-2.5 to 2.5	Pass
				20	3.27	8.340	0.0117	-2.5 to 2.5	Pass
					3.85	14.892	0.0208	-2.5 to 2.5	Pass
					4.43	18.754	0.0262	-2.5 to 2.5	Pass
	700.5	15	0	-30	3.85	20.914	0.0293	-2.5 to 2.5	Pass
				-20	3.85	24.076	0.0337	-2.5 to 2.5	Pass
				-10	3.85	30.026	0.0420	-2.5 to 2.5	Pass
				0	3.85	30.813	0.0431	-2.5 to 2.5	Pass
				10	3.85	28.424	0.0398	-2.5 to 2.5	Pass
				30	3.85	26.135	0.0366	-2.5 to 2.5	Pass
				40	3.85	30.398	0.0425	-2.5 to 2.5	Pass
				50	3.85	34.318	0.0480	-2.5 to 2.5	Pass
				20	3.27	-37.479	-0.0535	-2.5 to 2.5	Pass
					3.85	-35.977	-0.0514	-2.5 to 2.5	Pass
					4.43	-33.159	-0.0473	-2.5 to 2.5	Pass
				-30	3.85	-29.869	-0.0426	-2.5 to 2.5	Pass
	707.5	15	0	-20	3.85	-29.368	-0.0419	-2.5 to 2.5	Pass
				-10	3.85	-29.397	-0.0420	-2.5 to 2.5	Pass
				0	3.85	-29.211	-0.0417	-2.5 to 2.5	Pass
				10	3.85	-30.885	-0.0441	-2.5 to 2.5	Pass
				30	3.85	-31.843	-0.0455	-2.5 to 2.5	Pass
				40	3.85	-35.176	-0.0502	-2.5 to 2.5	Pass
				50	3.85	-32.544	-0.0465	-2.5 to 2.5	Pass
				20	3.27	-18.296	-0.0259	-2.5 to 2.5	Pass
					3.85	-16.108	-0.0228	-2.5 to 2.5	Pass
					4.43	-15.163	-0.0214	-2.5 to 2.5	Pass
				-30	3.85	-10.543	-0.0149	-2.5 to 2.5	Pass
	714.5	15	0	-20	3.85	-10.614	-0.0150	-2.5 to 2.5	Pass
				-10	3.85	-11.115	-0.0157	-2.5 to 2.5	Pass
				0	3.85	-11.659	-0.0165	-2.5 to 2.5	Pass
				10	3.85	-10.672	-0.0151	-2.5 to 2.5	Pass
				30	3.85	-12.217	-0.0173	-2.5 to 2.5	Pass
				40	3.85	-9.499	-0.0134	-2.5 to 2.5	Pass
				50	3.85	-16.723	-0.0236	-2.5 to 2.5	Pass
				20	3.27	38.152	0.0534	-2.5 to 2.5	Pass
					3.85	42.057	0.0589	-2.5 to 2.5	Pass
					4.43	45.147	0.0632	-2.5 to 2.5	Pass
				-30	3.85	46.520	0.0651	-2.5 to 2.5	Pass
				-20	3.85	1.831	0.0026	-2.5 to 2.5	Pass
				-10	3.85	4.778	0.0067	-2.5 to 2.5	Pass
				0	3.85	10.715	0.0150	-2.5 to 2.5	Pass
				10	3.85	8.469	0.0119	-2.5 to 2.5	Pass
				30	3.85	6.008	0.0084	-2.5 to 2.5	Pass
				40	3.85	8.583	0.0120	-2.5 to 2.5	Pass

				50	3.85	6.323	0.0088	-2.5 to 2.5	Pass
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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	3.304	0.0047	-2.5 to 2.5	Pass
					3.85	-27.366	-0.0390	-2.5 to 2.5	Pass
					4.43	-20.084	-0.0286	-2.5 to 2.5	Pass
				-30	3.85	-3.347	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-30.699	-0.0438	-2.5 to 2.5	Pass
				-10	3.85	-8.712	-0.0124	-2.5 to 2.5	Pass
				0	3.85	-22.531	-0.0321	-2.5 to 2.5	Pass
				10	3.85	-32.172	-0.0459	-2.5 to 2.5	Pass
				30	3.85	-41.571	-0.0593	-2.5 to 2.5	Pass
				40	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-6.337	-0.0090	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	3.061	0.0043	-2.5 to 2.5	Pass
					3.85	-18.754	-0.0265	-2.5 to 2.5	Pass
					4.43	-46.663	-0.0660	-2.5 to 2.5	Pass
				-30	3.85	-17.567	-0.0248	-2.5 to 2.5	Pass
				-20	3.85	-36.778	-0.0520	-2.5 to 2.5	Pass
				-10	3.85	-7.524	-0.0106	-2.5 to 2.5	Pass
				0	3.85	-17.524	-0.0248	-2.5 to 2.5	Pass
				10	3.85	-28.696	-0.0406	-2.5 to 2.5	Pass
				30	3.85	-38.953	-0.0551	-2.5 to 2.5	Pass
				40	3.85	2.375	0.0034	-2.5 to 2.5	Pass
				50	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	6.495	0.0091	-2.5 to 2.5	Pass
					3.85	6.437	0.0090	-2.5 to 2.5	Pass
					4.43	11.373	0.0159	-2.5 to 2.5	Pass
				-30	3.85	18.010	0.0252	-2.5 to 2.5	Pass
				-20	3.85	21.329	0.0299	-2.5 to 2.5	Pass
				-10	3.85	22.302	0.0313	-2.5 to 2.5	Pass
				0	3.85	22.402	0.0314	-2.5 to 2.5	Pass
				10	3.85	25.434	0.0356	-2.5 to 2.5	Pass
				30	3.85	28.625	0.0401	-2.5 to 2.5	Pass
				40	3.85	31.915	0.0447	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-15.879	-0.0226	-2.5 to 2.5	Pass
					3.85	-10.242	-0.0146	-2.5 to 2.5	Pass
					4.43	-3.319	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-3.247	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	3.920	0.0056	-2.5 to 2.5	Pass
				0	3.85	3.347	0.0048	-2.5 to 2.5	Pass
				10	3.85	-31.815	-0.0454	-2.5 to 2.5	Pass
				30	3.85	-5.264	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-23.546	-0.0336	-2.5 to 2.5	Pass
				50	3.85	-41.456	-0.0591	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-11.902	-0.0168	-2.5 to 2.5	Pass
					3.85	-11.559	-0.0163	-2.5 to 2.5	Pass
					4.43	-9.513	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-8.626	-0.0122	-2.5 to 2.5	Pass
				-20	3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-6.309	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-9.842	-0.0139	-2.5 to 2.5	Pass

				10	3.85	-13.947	-0.0197	-2.5 to 2.5	Pass
				30	3.85	-16.050	-0.0227	-2.5 to 2.5	Pass
				40	3.85	-17.796	-0.0252	-2.5 to 2.5	Pass
				50	3.85	-18.010	-0.0255	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	33.445	0.0469	-2.5 to 2.5	Pass
					3.85	38.810	0.0544	-2.5 to 2.5	Pass
					4.43	39.454	0.0553	-2.5 to 2.5	Pass
				-30	3.85	42.601	0.0597	-2.5 to 2.5	Pass
				-20	3.85	45.118	0.0632	-2.5 to 2.5	Pass
				-10	3.85	-5.636	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-1.802	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.674	-0.0023	-2.5 to 2.5	Pass
				30	3.85	1.388	0.0019	-2.5 to 2.5	Pass
				40	3.85	3.734	0.0052	-2.5 to 2.5	Pass
				50	3.85	2.675	0.0037	-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	-8.740	-0.0124	-2.5 to 2.5	Pass
					3.85	-24.891	-0.0354	-2.5 to 2.5	Pass
					4.43	-25.678	-0.0365	-2.5 to 2.5	Pass
				-30	3.85	-15.092	-0.0214	-2.5 to 2.5	Pass
				-20	3.85	-44.761	-0.0636	-2.5 to 2.5	Pass
				-10	3.85	-16.351	-0.0232	-2.5 to 2.5	Pass
				0	3.85	-34.032	-0.0483	-2.5 to 2.5	Pass
				10	3.85	-29.712	-0.0422	-2.5 to 2.5	Pass
				30	3.85	-11.230	-0.0160	-2.5 to 2.5	Pass
				40	3.85	-19.841	-0.0282	-2.5 to 2.5	Pass
				50	3.85	-28.582	-0.0406	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	7.839	0.0111	-2.5 to 2.5	Pass
					3.85	2.747	0.0039	-2.5 to 2.5	Pass
					4.43	-4.535	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-11.187	-0.0158	-2.5 to 2.5	Pass
				-20	3.85	-14.563	-0.0206	-2.5 to 2.5	Pass
				-10	3.85	-14.677	-0.0207	-2.5 to 2.5	Pass
				0	3.85	-19.569	-0.0277	-2.5 to 2.5	Pass
				10	3.85	-21.400	-0.0302	-2.5 to 2.5	Pass
				30	3.85	-24.605	-0.0348	-2.5 to 2.5	Pass
				40	3.85	-24.776	-0.0350	-2.5 to 2.5	Pass
				50	3.85	-28.081	-0.0397	-2.5 to 2.5	Pass
	711	50	0	20	3.27	11.072	0.0156	-2.5 to 2.5	Pass
					3.85	10.772	0.0152	-2.5 to 2.5	Pass
					4.43	9.985	0.0140	-2.5 to 2.5	Pass
				-30	3.85	9.627	0.0135	-2.5 to 2.5	Pass
				-20	3.85	10.200	0.0143	-2.5 to 2.5	Pass
				-10	3.85	5.565	0.0078	-2.5 to 2.5	Pass
				0	3.85	3.247	0.0046	-2.5 to 2.5	Pass
				10	3.85	4.134	0.0058	-2.5 to 2.5	Pass
				30	3.85	1.416	0.0020	-2.5 to 2.5	Pass
				40	3.85	1.202	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.518	0.0035	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-33.045	-0.0469	-2.5 to 2.5	Pass
					3.85	-33.174	-0.0471	-2.5 to 2.5	Pass
					4.43	-34.146	-0.0485	-2.5 to 2.5	Pass
				-30	3.85	-29.325	-0.0417	-2.5 to 2.5	Pass

				-20	3.85	-32.258	-0.0458	-2.5 to 2.5	Pass
				-10	3.85	-28.253	-0.0401	-2.5 to 2.5	Pass
				0	3.85	-31.672	-0.0450	-2.5 to 2.5	Pass
				10	3.85	-33.603	-0.0477	-2.5 to 2.5	Pass
				30	3.85	-36.464	-0.0518	-2.5 to 2.5	Pass
				40	3.85	-38.996	-0.0554	-2.5 to 2.5	Pass
				50	3.85	-39.725	-0.0564	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-26.565	-0.0375	-2.5 to 2.5	Pass
					3.85	-24.533	-0.0347	-2.5 to 2.5	Pass
					4.43	-24.004	-0.0339	-2.5 to 2.5	Pass
				-30	3.85	-15.335	-0.0217	-2.5 to 2.5	Pass
				-20	3.85	-13.633	-0.0193	-2.5 to 2.5	Pass
				-10	3.85	-12.732	-0.0180	-2.5 to 2.5	Pass
				0	3.85	-11.830	-0.0167	-2.5 to 2.5	Pass
				10	3.85	-8.068	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-5.994	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-3.147	-0.0044	-2.5 to 2.5	Pass
				50	3.85	0.572	0.0008	-2.5 to 2.5	Pass
	711	50	0	20	3.27	3.161	0.0044	-2.5 to 2.5	Pass
					3.85	10.500	0.0148	-2.5 to 2.5	Pass
					4.43	15.607	0.0220	-2.5 to 2.5	Pass
				-30	3.85	17.424	0.0245	-2.5 to 2.5	Pass
				-20	3.85	19.140	0.0269	-2.5 to 2.5	Pass
				-10	3.85	21.529	0.0303	-2.5 to 2.5	Pass
				0	3.85	24.948	0.0351	-2.5 to 2.5	Pass
				10	3.85	21.529	0.0303	-2.5 to 2.5	Pass
				30	3.85	20.156	0.0283	-2.5 to 2.5	Pass
				40	3.85	22.402	0.0315	-2.5 to 2.5	Pass
				50	3.85	23.317	0.0328	-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 / NTNV						
Modulation	Frequency	RB Allocation		Modulation Characteristics		Verdict

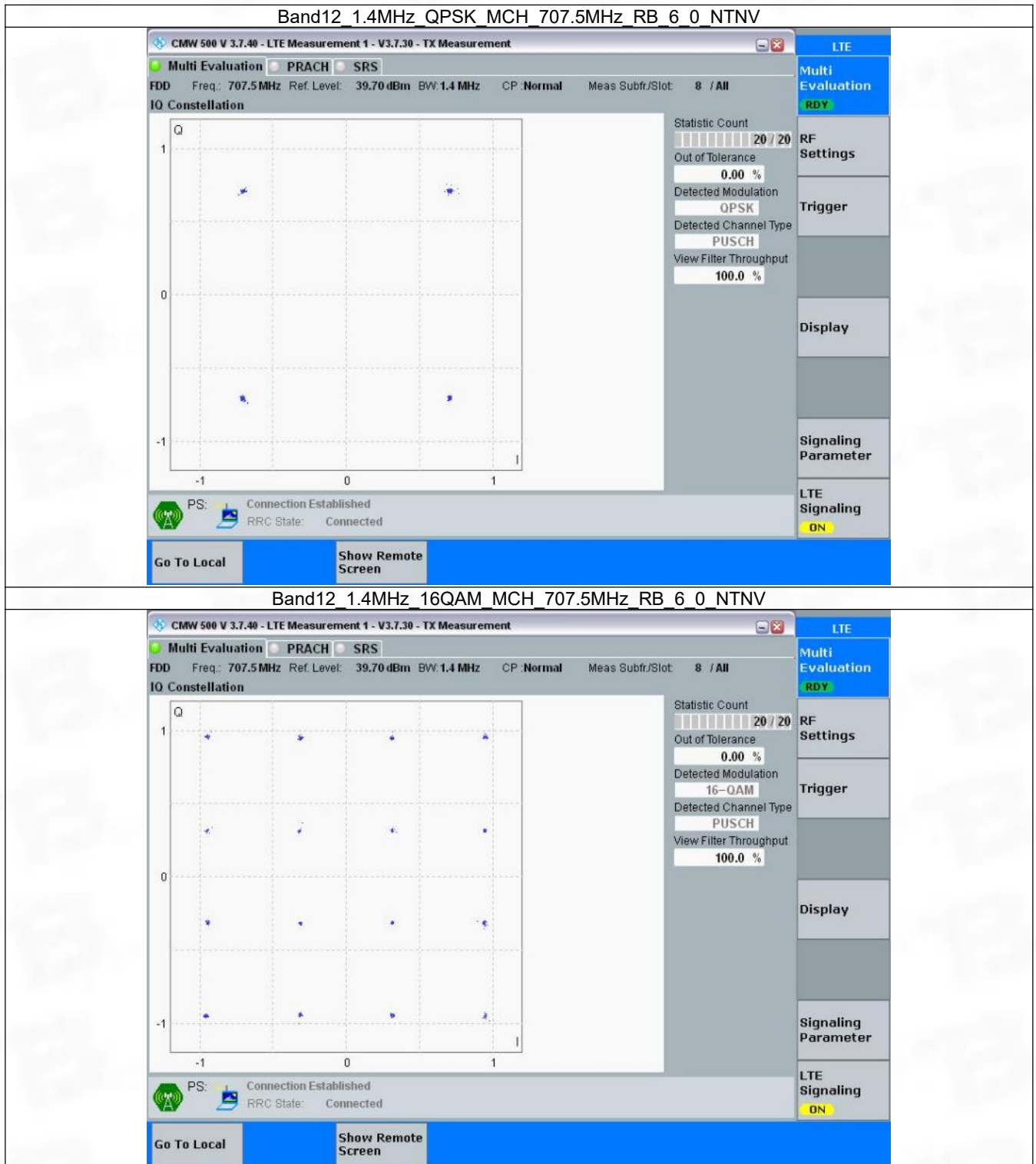
	(MHz)	Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

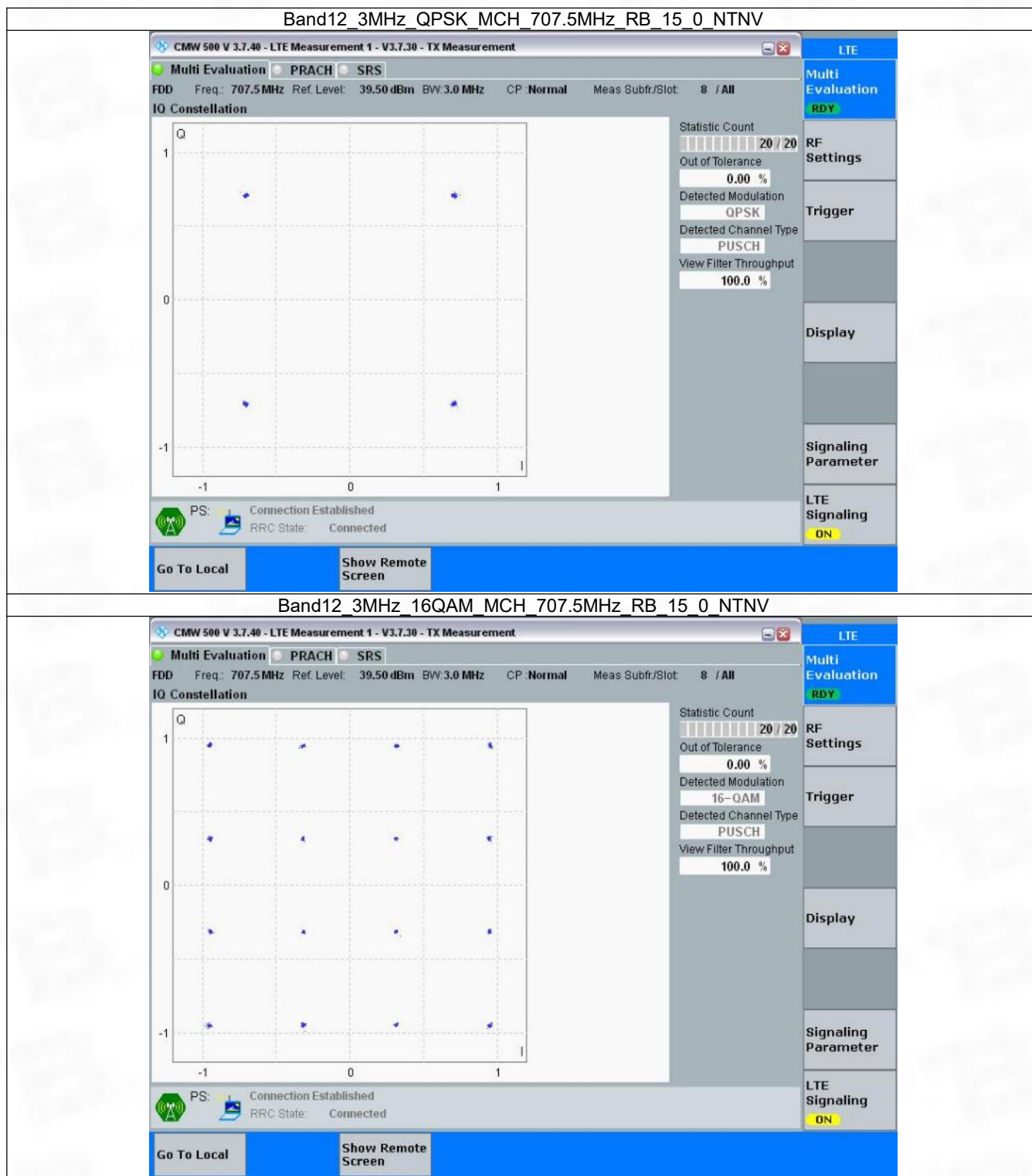
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

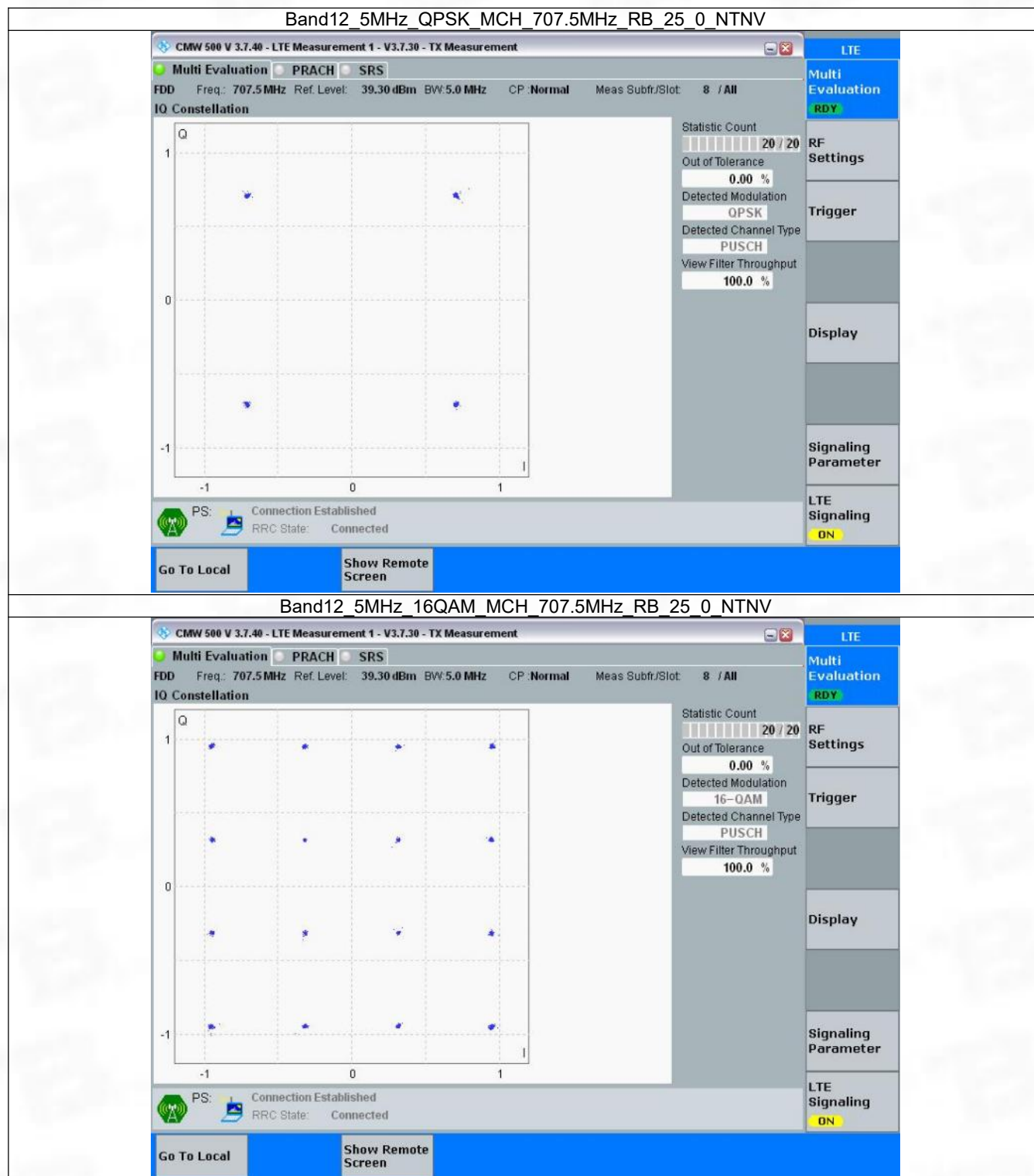
3.2.1 B12_1.4MHz



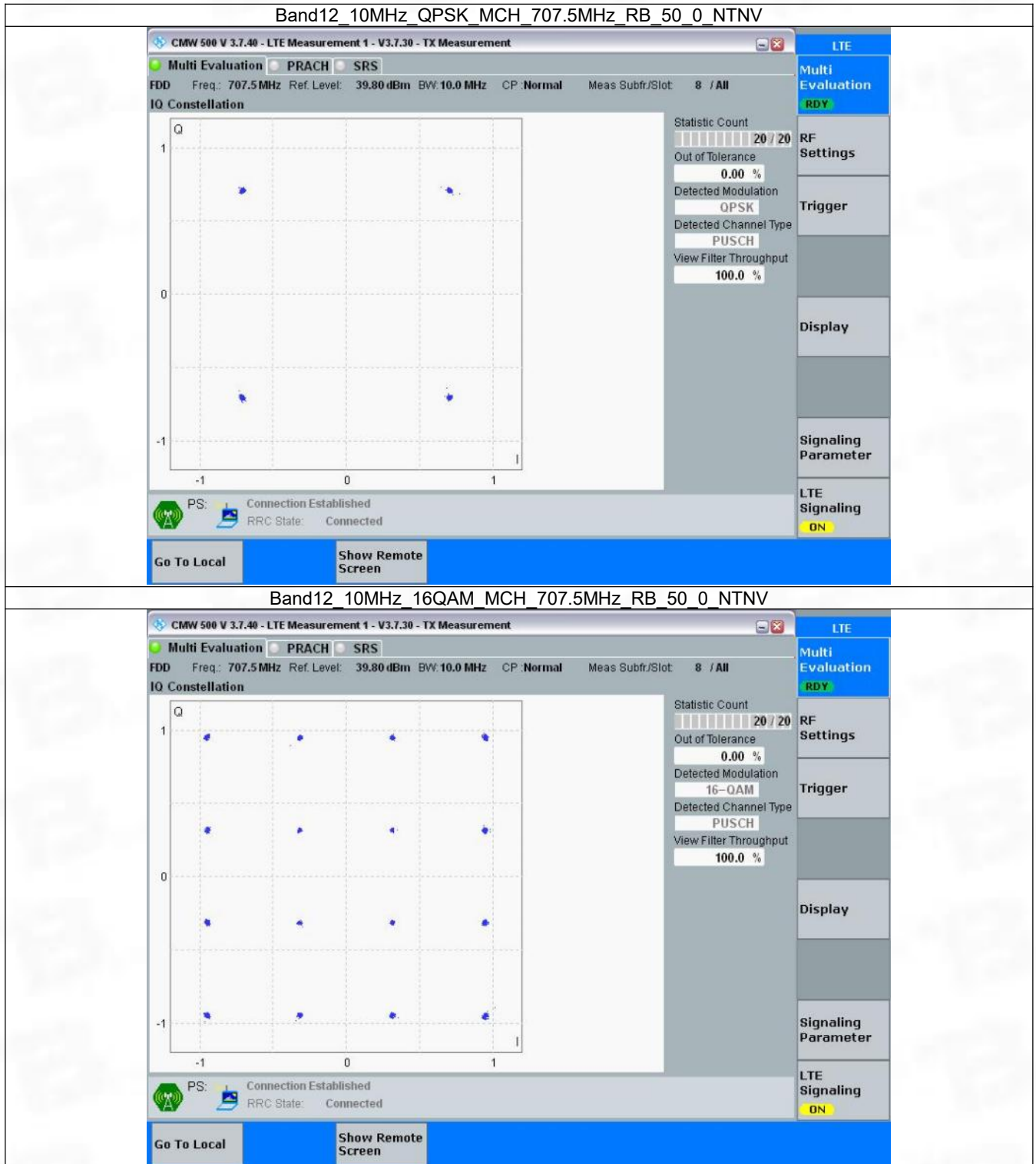
3.2.2 B12_3MHz



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	1.114	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.114	/	Pass
	16QAM	699.7	6	0	1.118	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.127	/	Pass
3	QPSK	700.5	15	0	2.756	/	Pass
		707.5	15	0	2.752	/	Pass
		714.5	15	0	2.758	/	Pass
	16QAM	700.5	15	0	2.768	/	Pass
		707.5	15	0	2.754	/	Pass
		714.5	15	0	2.747	/	Pass
5	QPSK	701.5	25	0	4.538	/	Pass
		707.5	25	0	4.555	/	Pass
		713.5	25	0	4.567	/	Pass
	16QAM	701.5	25	0	4.565	/	Pass
		707.5	25	0	4.556	/	Pass
		713.5	25	0	4.549	/	Pass
10	QPSK	704	50	0	9.068	/	Pass
		707.5	50	0	9.068	/	Pass
		711	50	0	9.038	/	Pass
	16QAM	704	50	0	9.060	/	Pass
		707.5	50	0	9.125	/	Pass
		711	50	0	9.050	/	Pass

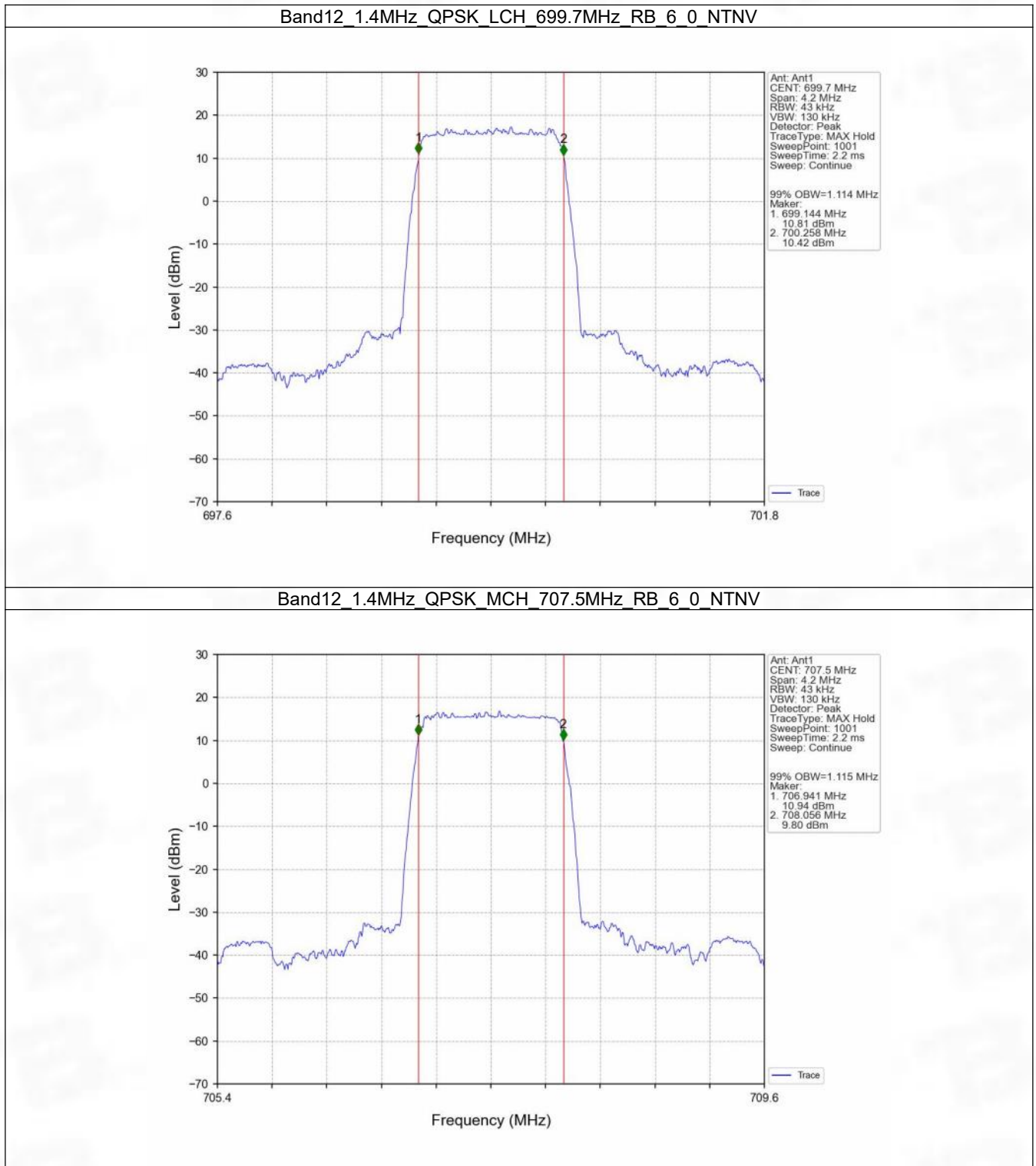
4.1.2 Band12_XDB

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	1.268	/	Pass
		707.5	6	0	1.267	/	Pass
		715.3	6	0	1.275	/	Pass
	16QAM	699.7	6	0	1.272	/	Pass
		707.5	6	0	1.266	/	Pass
		715.3	6	0	1.281	/	Pass
3	QPSK	700.5	15	0	3.107	/	Pass
		707.5	15	0	3.100	/	Pass
		714.5	15	0	3.095	/	Pass
	16QAM	700.5	15	0	3.115	/	Pass
		707.5	15	0	3.094	/	Pass
		714.5	15	0	3.109	/	Pass
5	QPSK	701.5	25	0	5.066	/	Pass
		707.5	25	0	5.090	/	Pass
		713.5	25	0	5.051	/	Pass
	16QAM	701.5	25	0	5.064	/	Pass

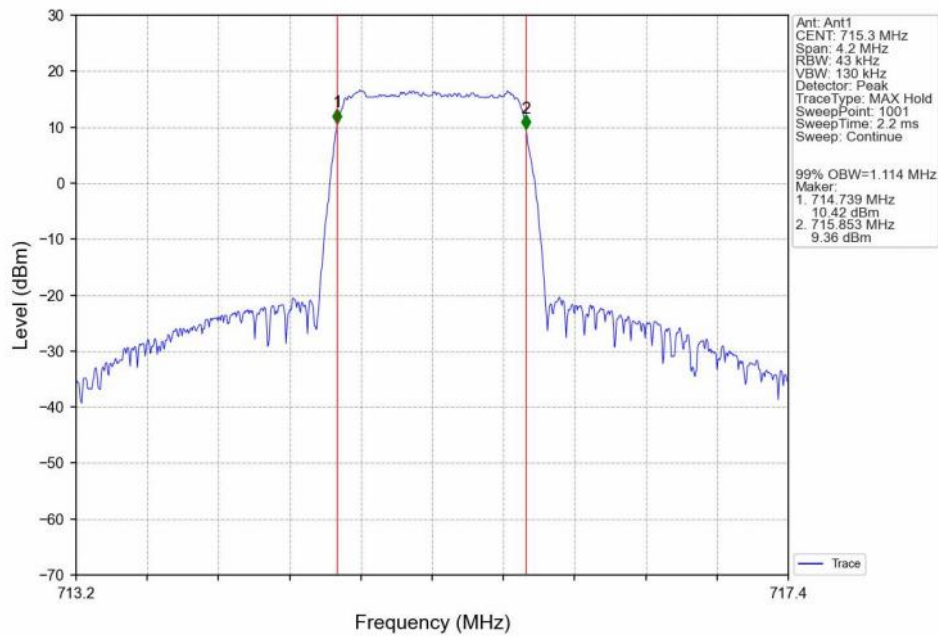
10		707.5	25	0	5.055	/	Pass
		713.5	25	0	5.041	/	Pass
	QPSK	704	50	0	10.073	/	Pass
		707.5	50	0	10.048	/	Pass
		711	50	0	9.932	/	Pass
	16QAM	704	50	0	10.030	/	Pass
		707.5	50	0	10.113	/	Pass
		711	50	0	10.013	/	Pass

4.2 Test Graph

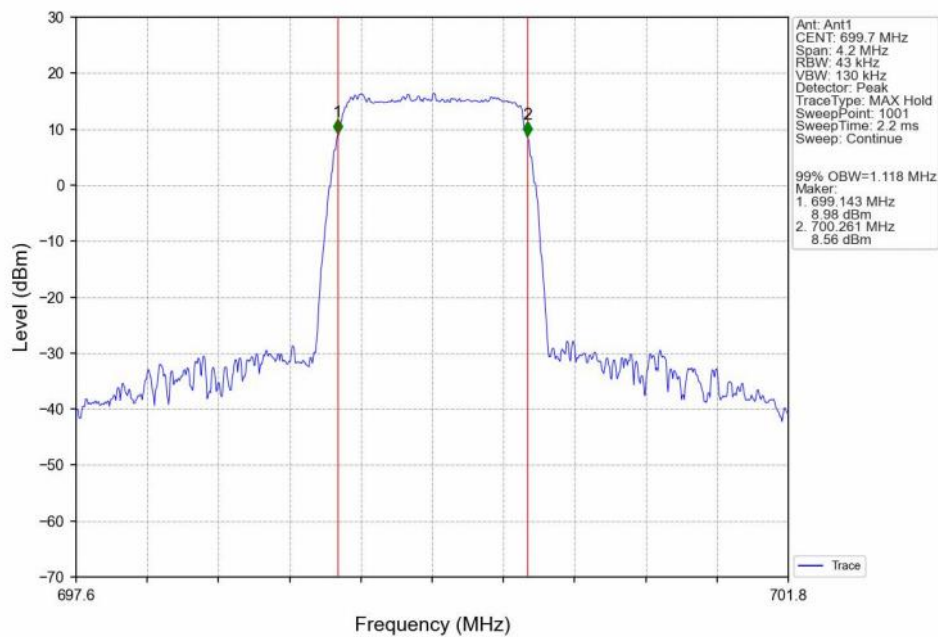
4.2.1 Band12_OBW



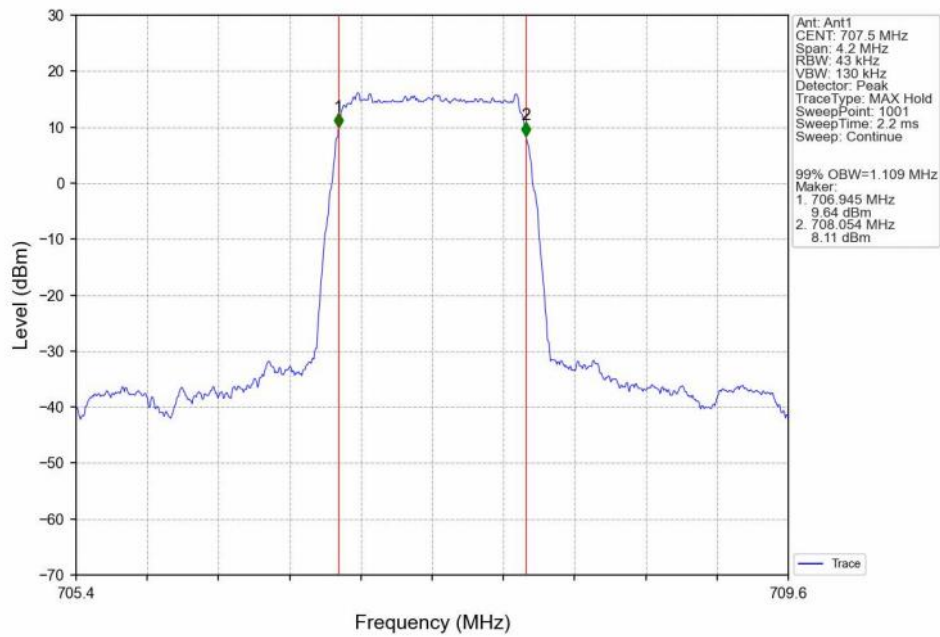
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



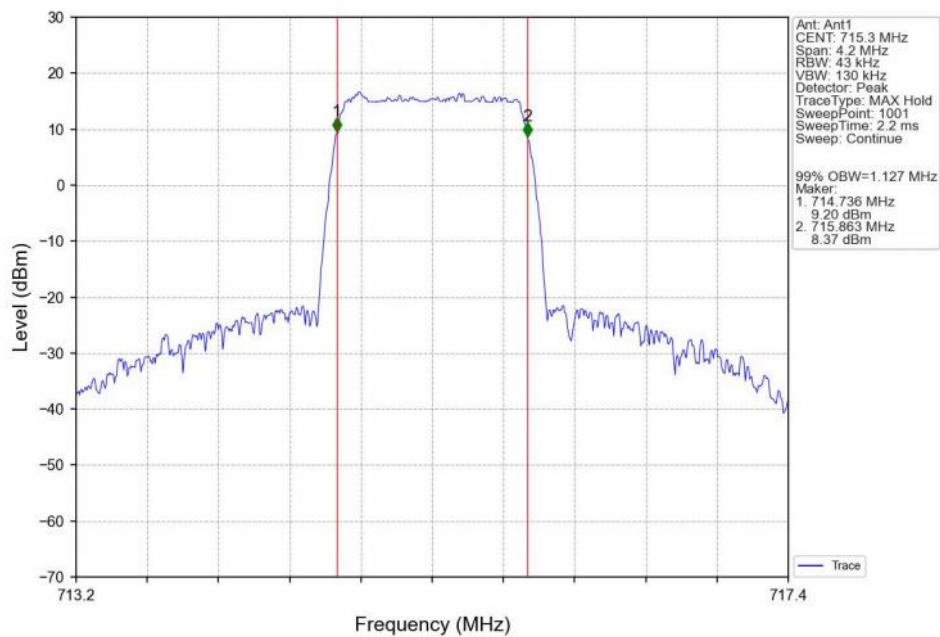
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



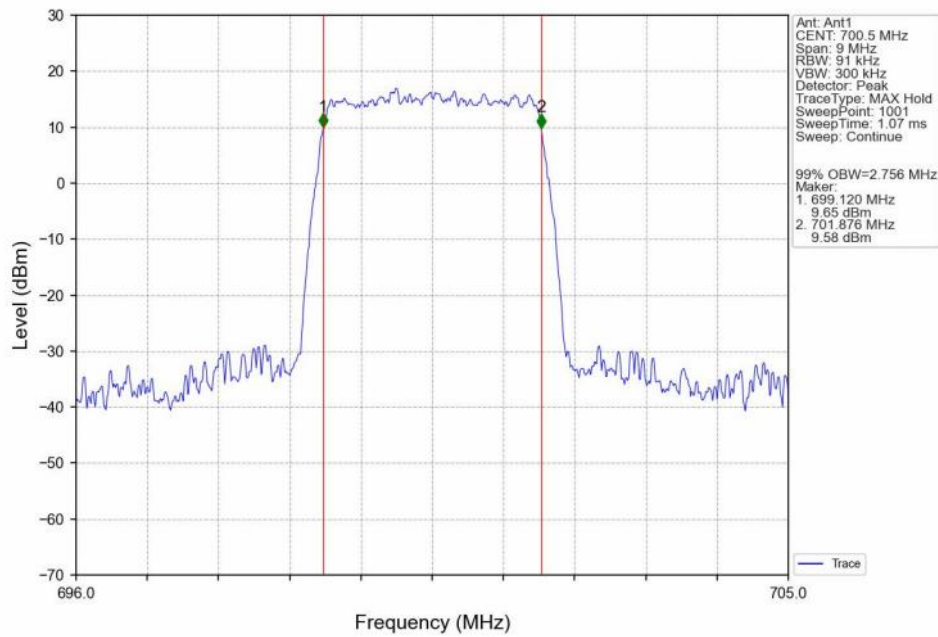
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



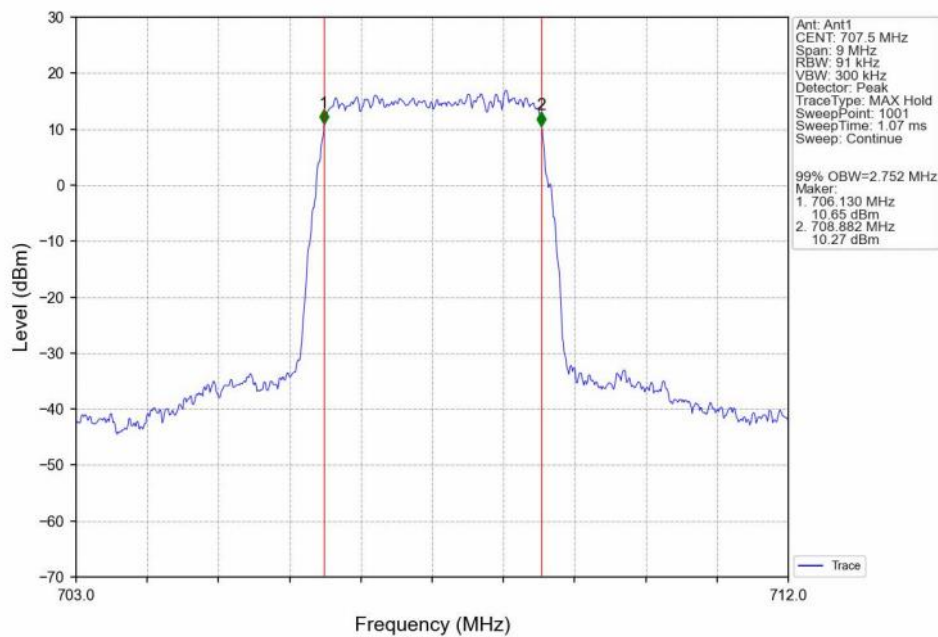
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



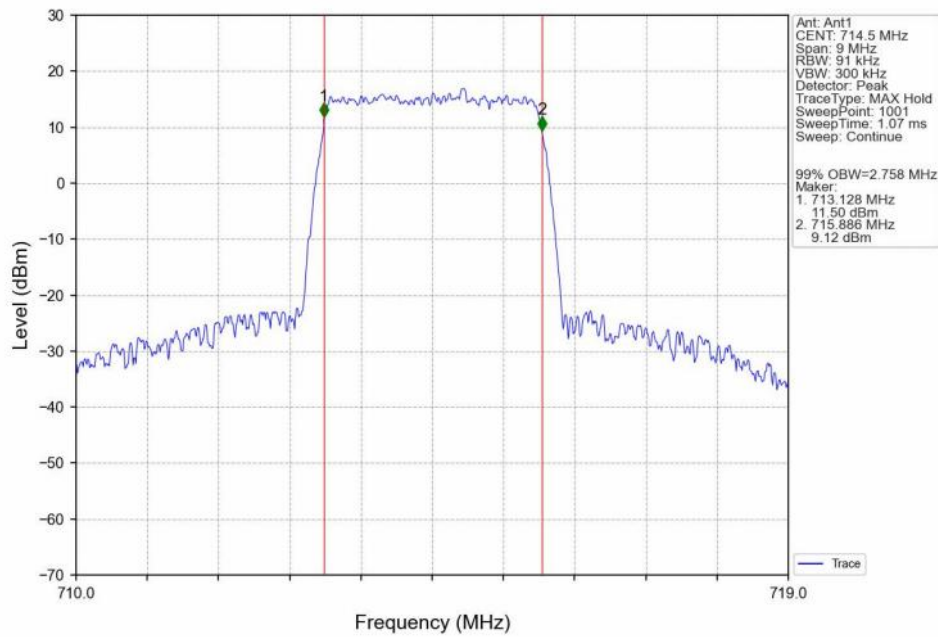
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



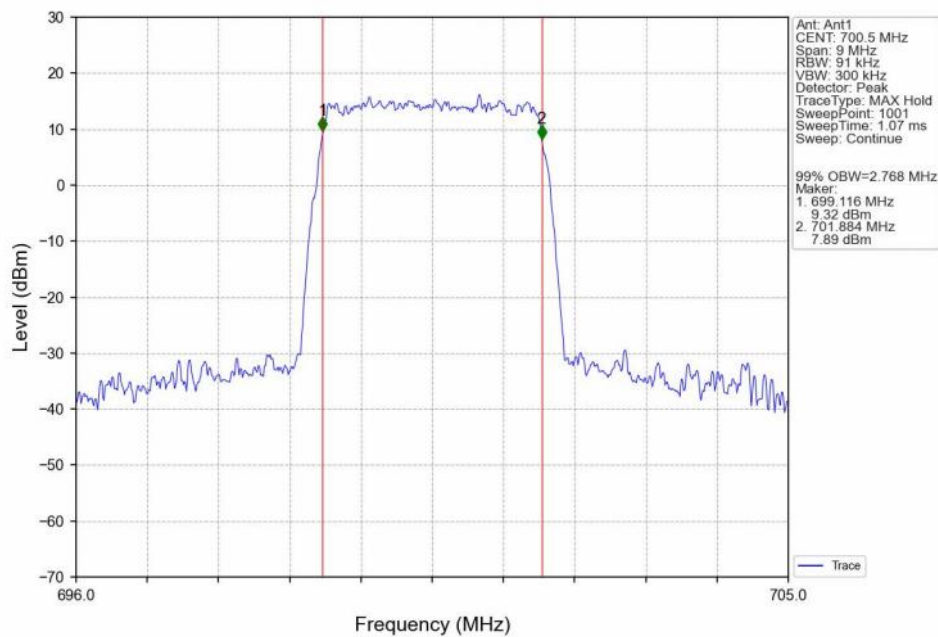
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



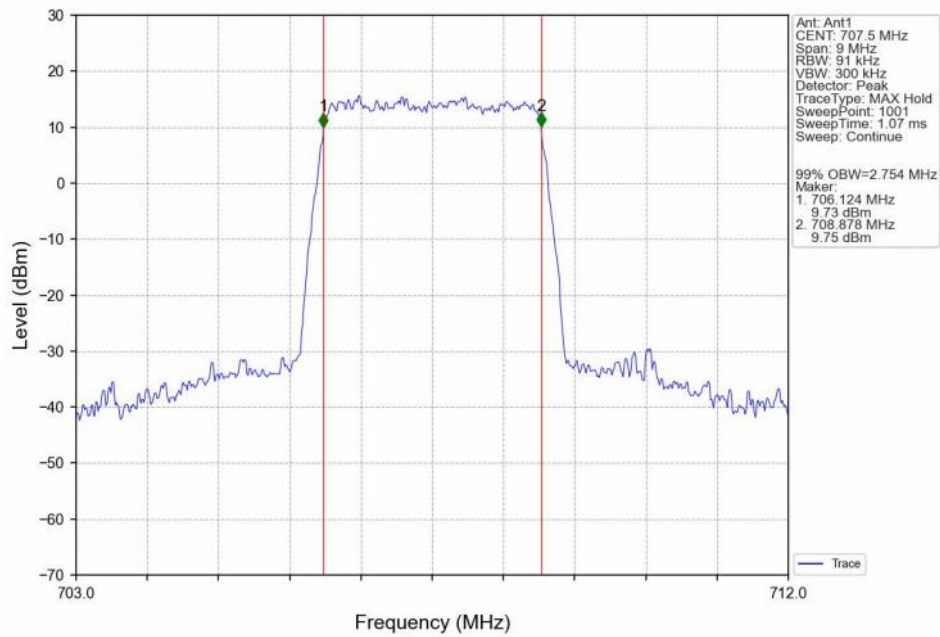
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



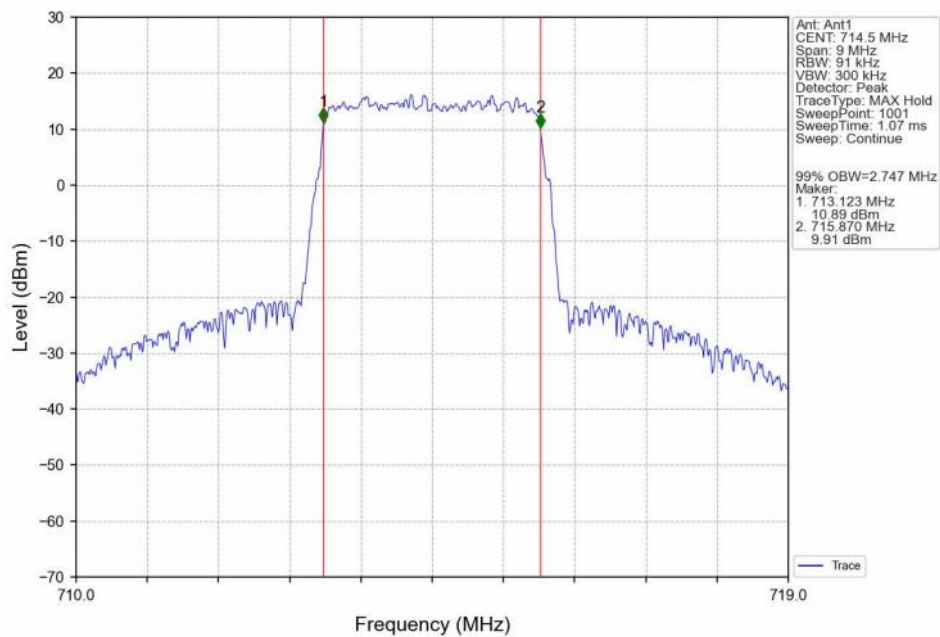
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



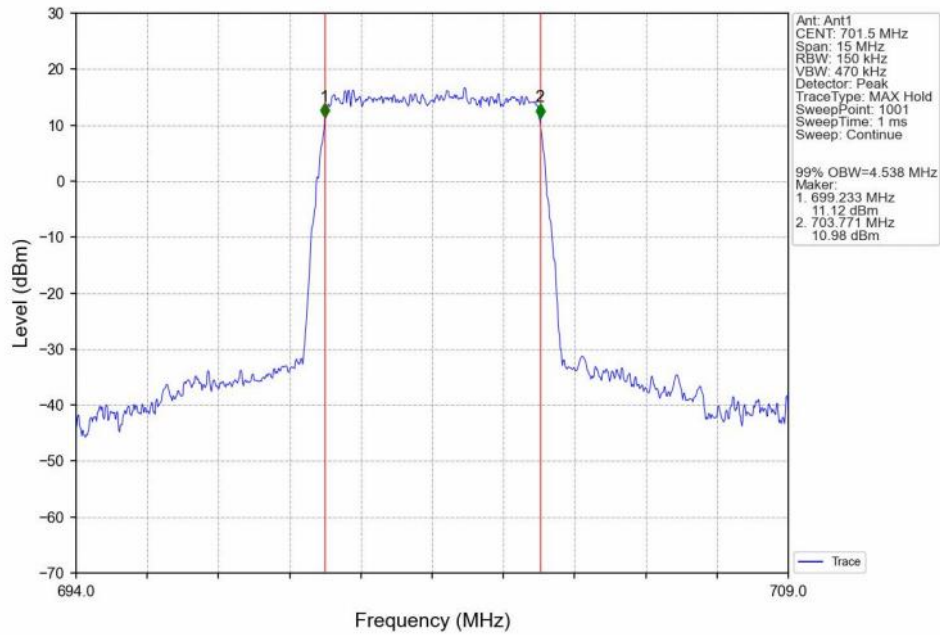
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



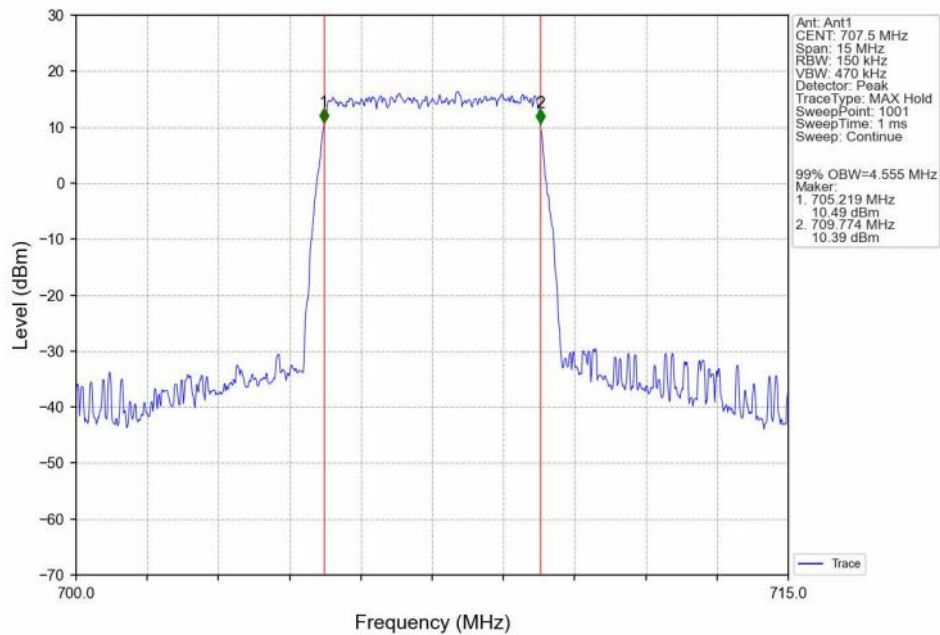
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



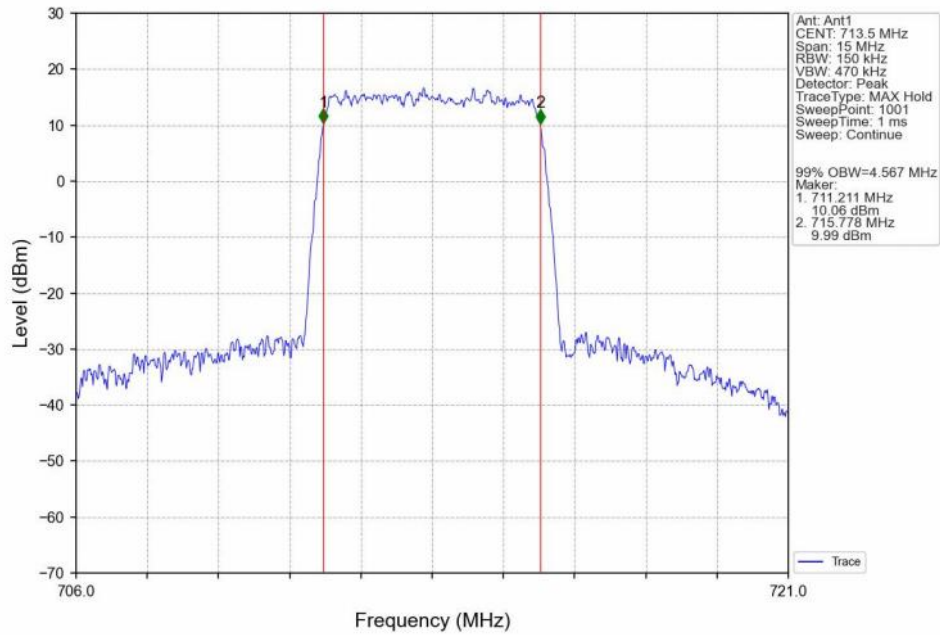
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



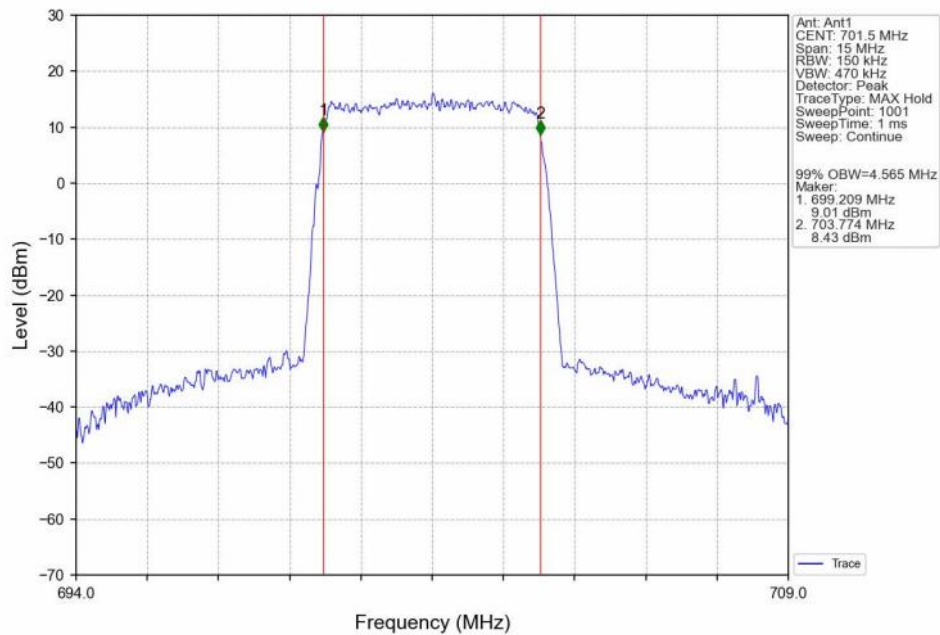
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



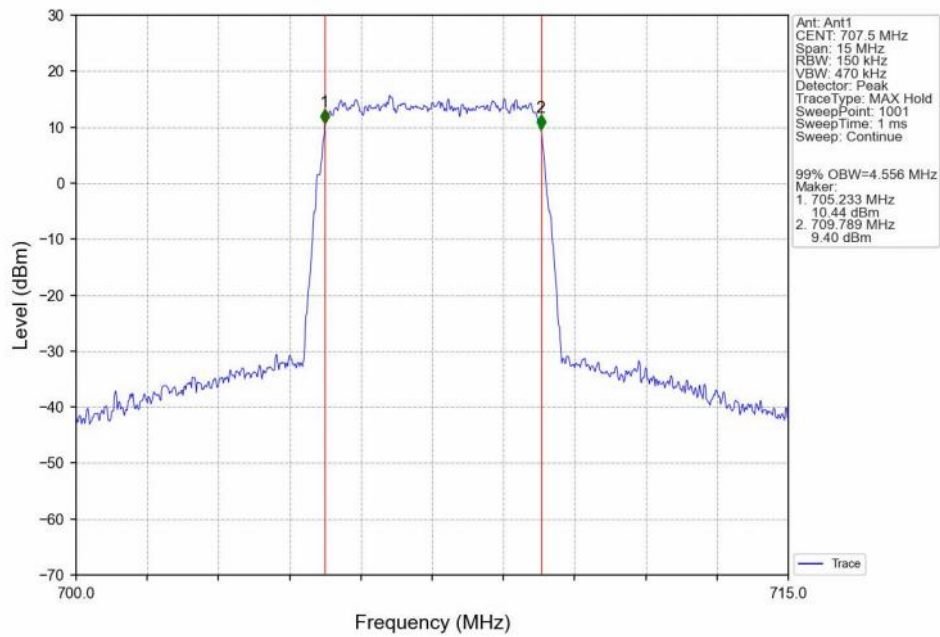
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



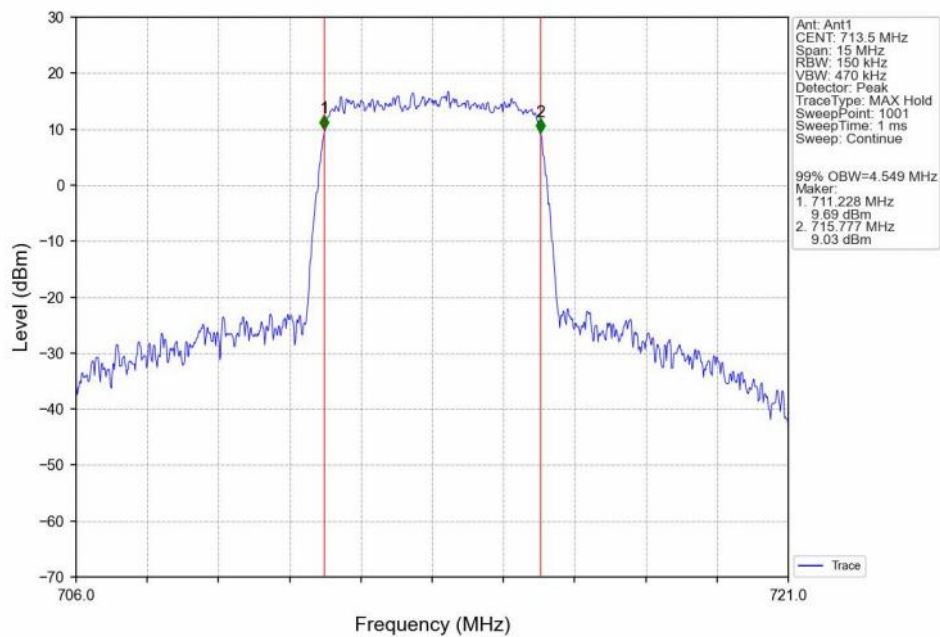
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



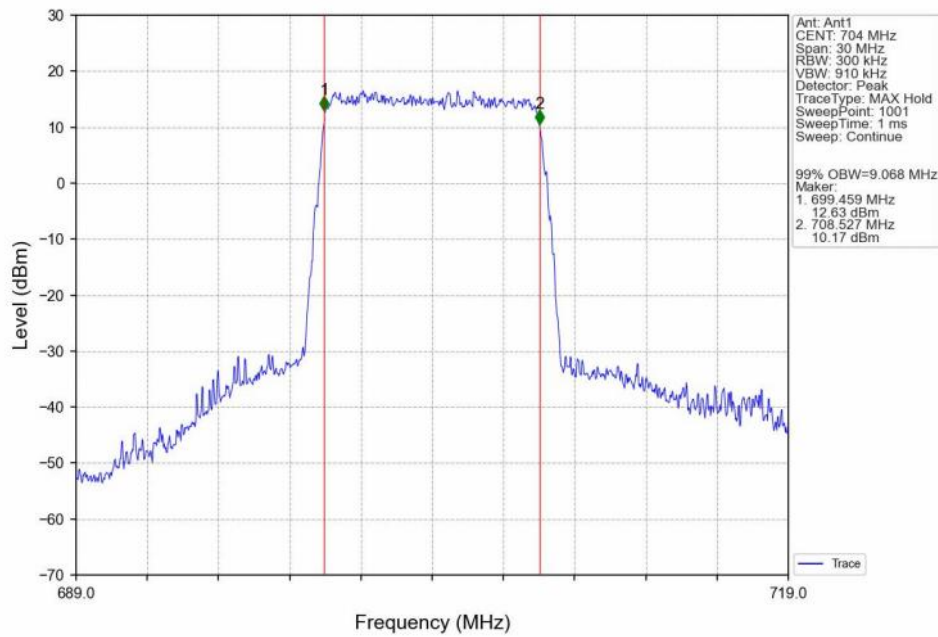
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



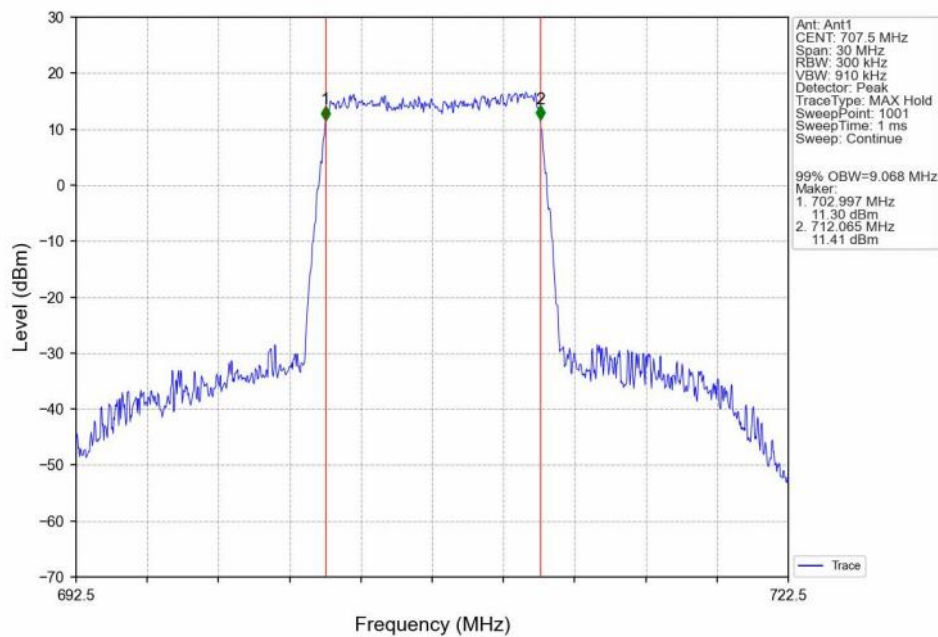
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



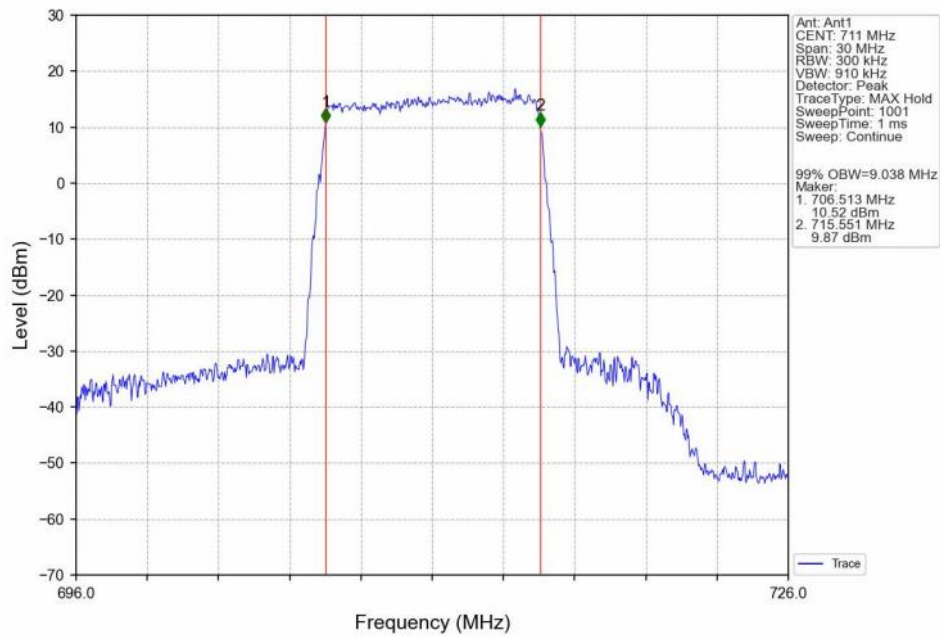
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



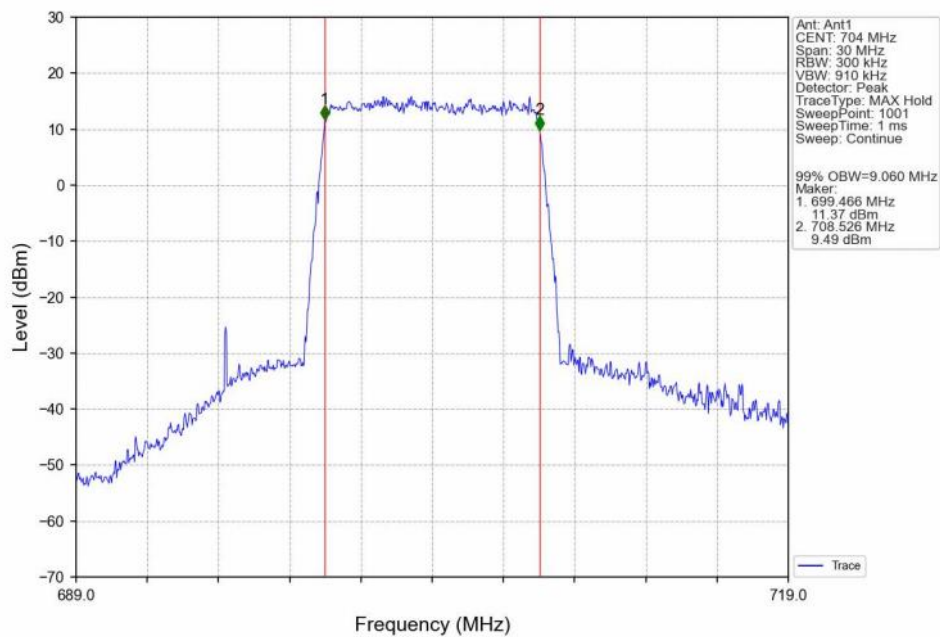
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



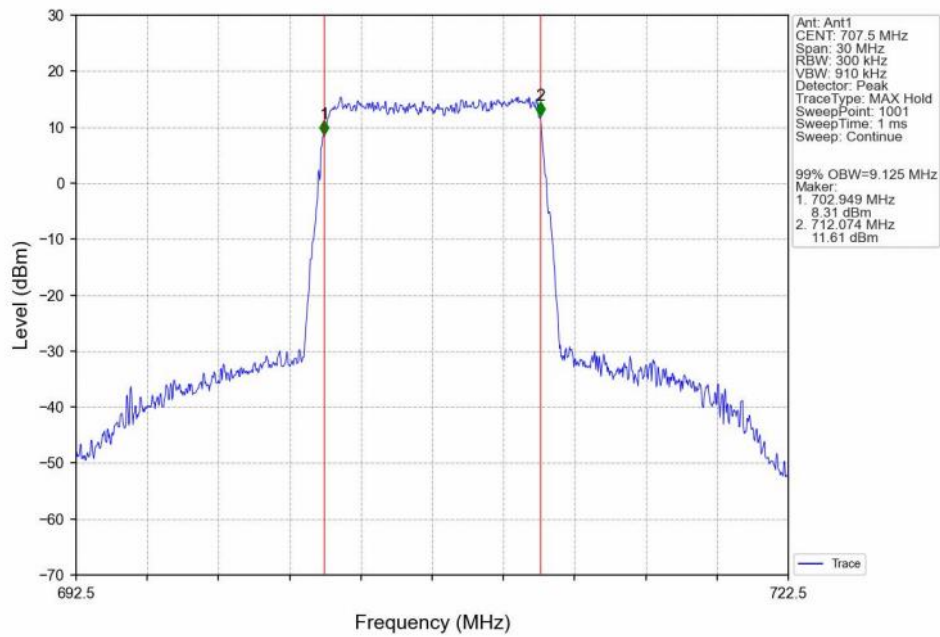
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



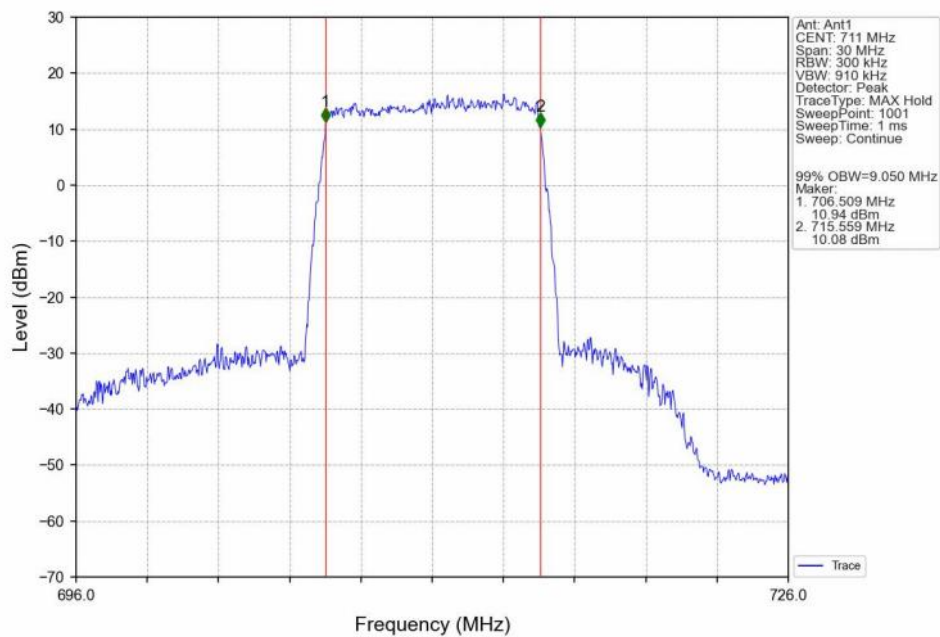
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



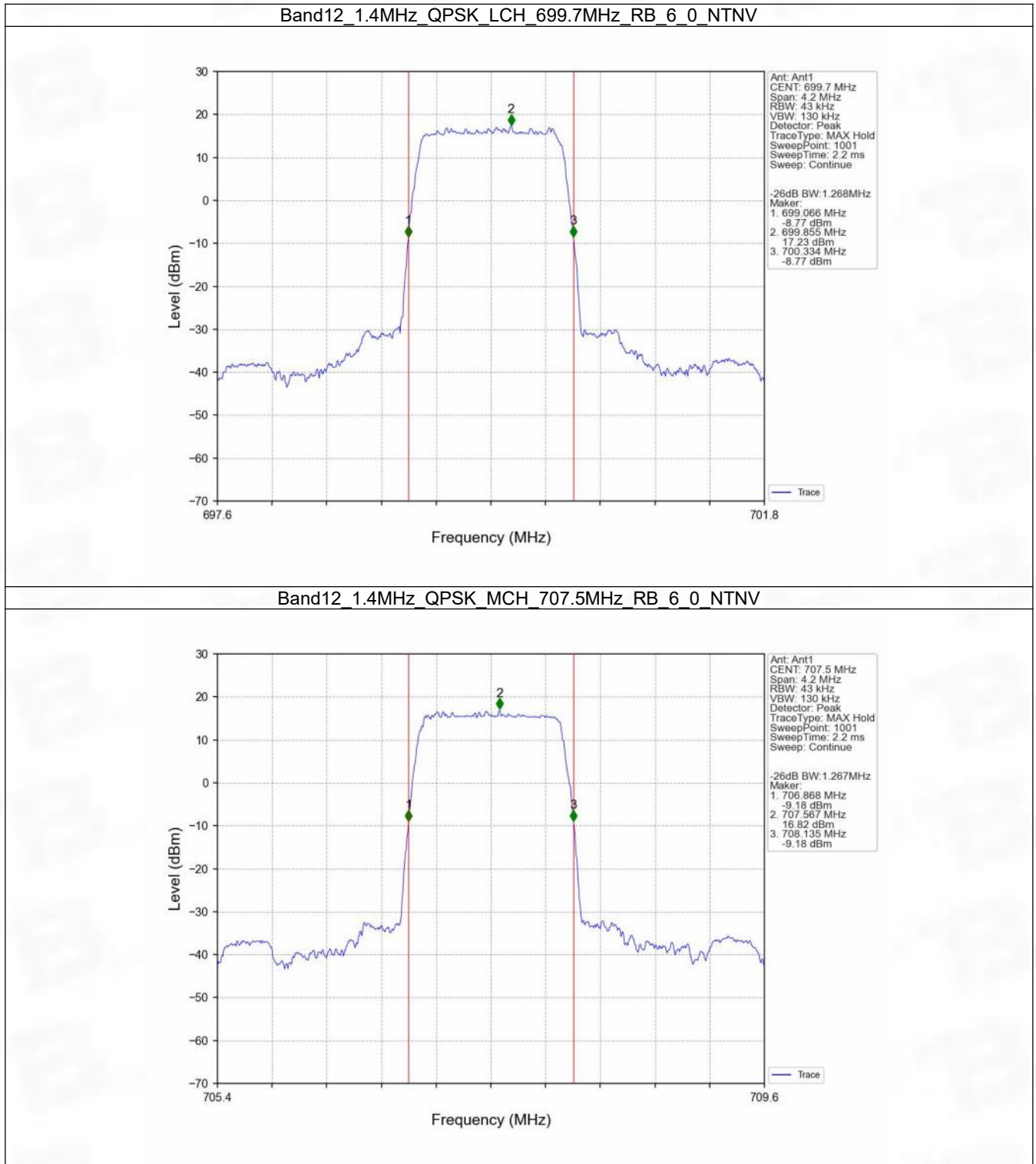
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



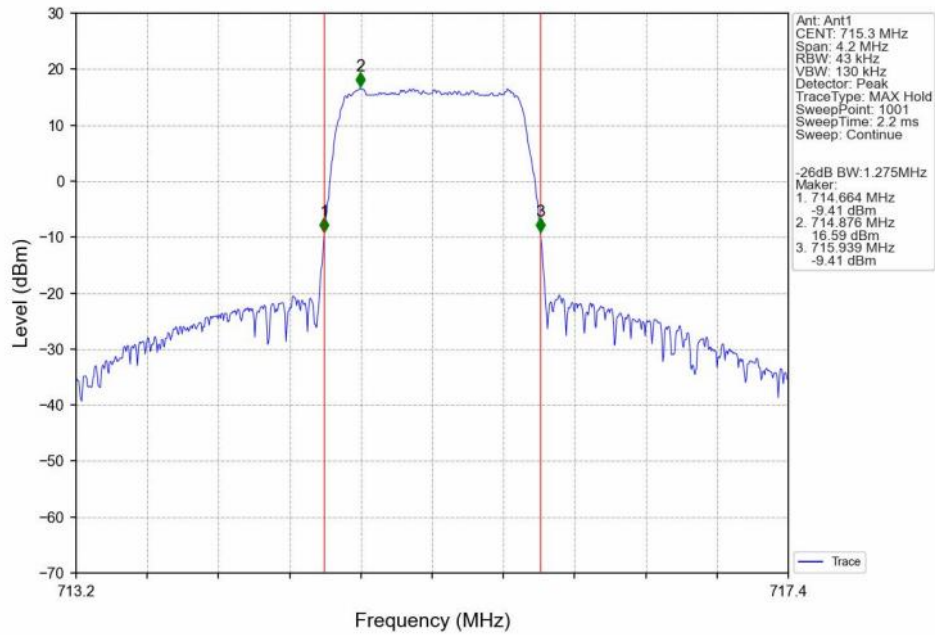
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



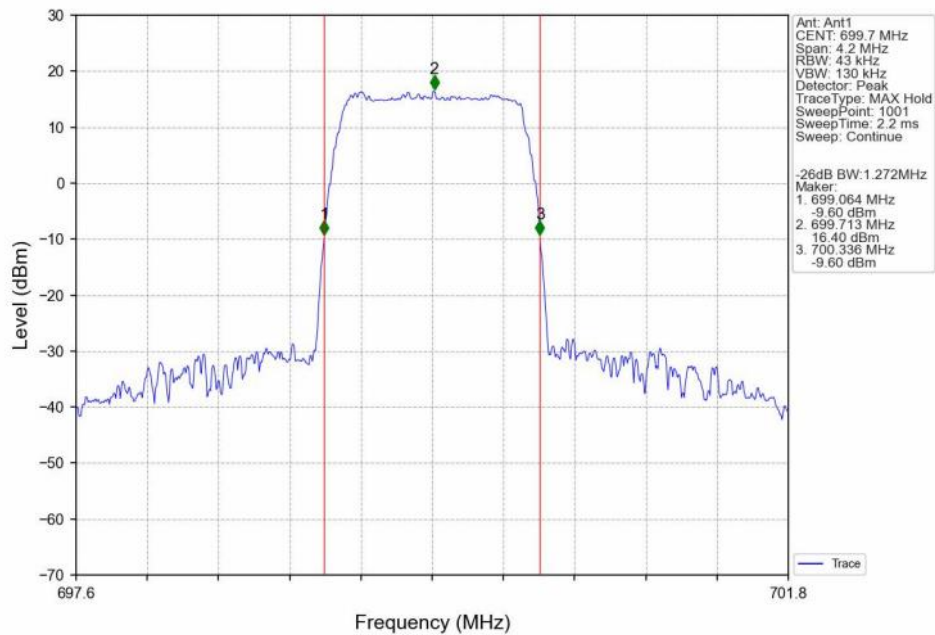
4.2.2 Band12_XDB



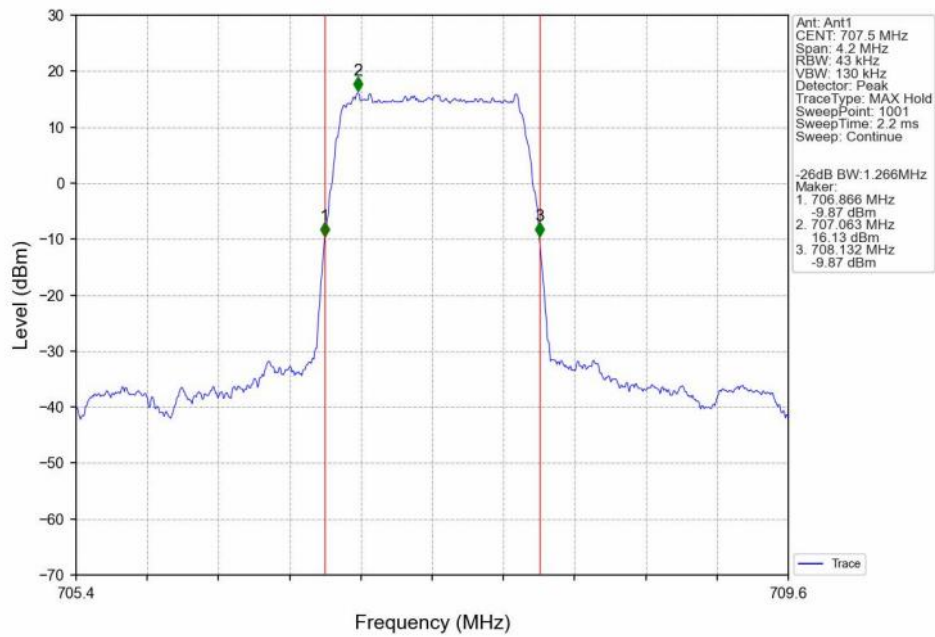
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



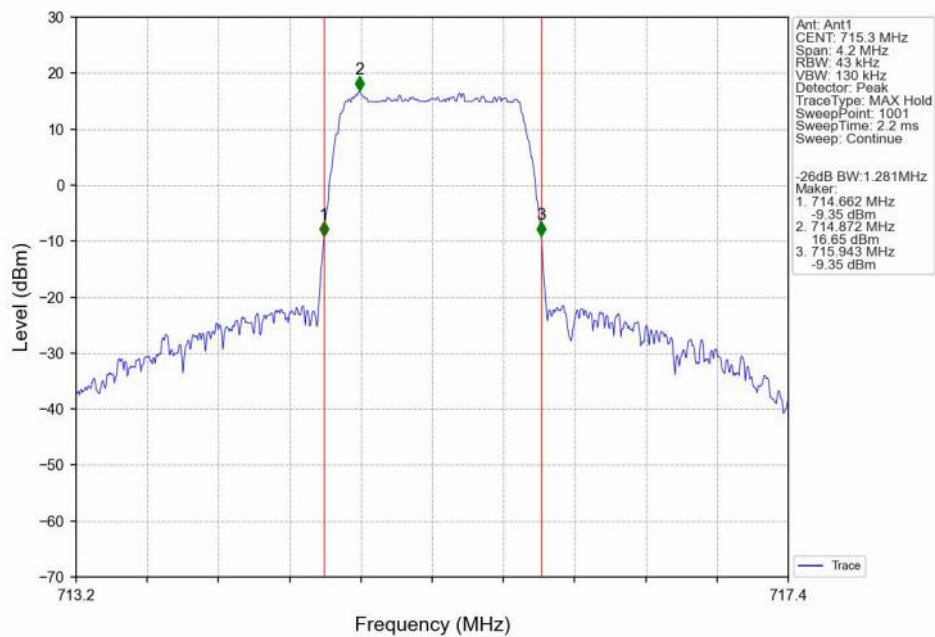
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



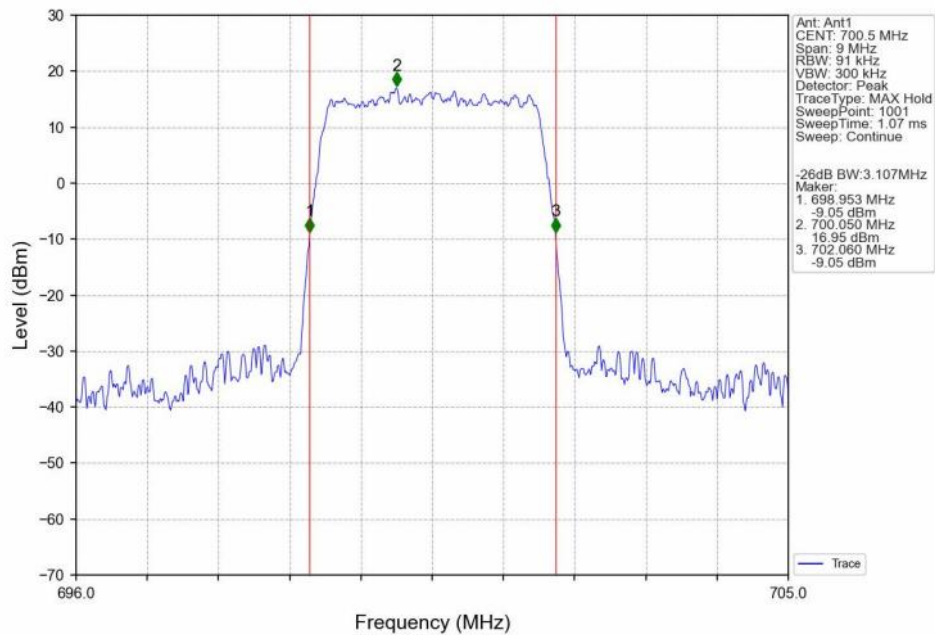
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



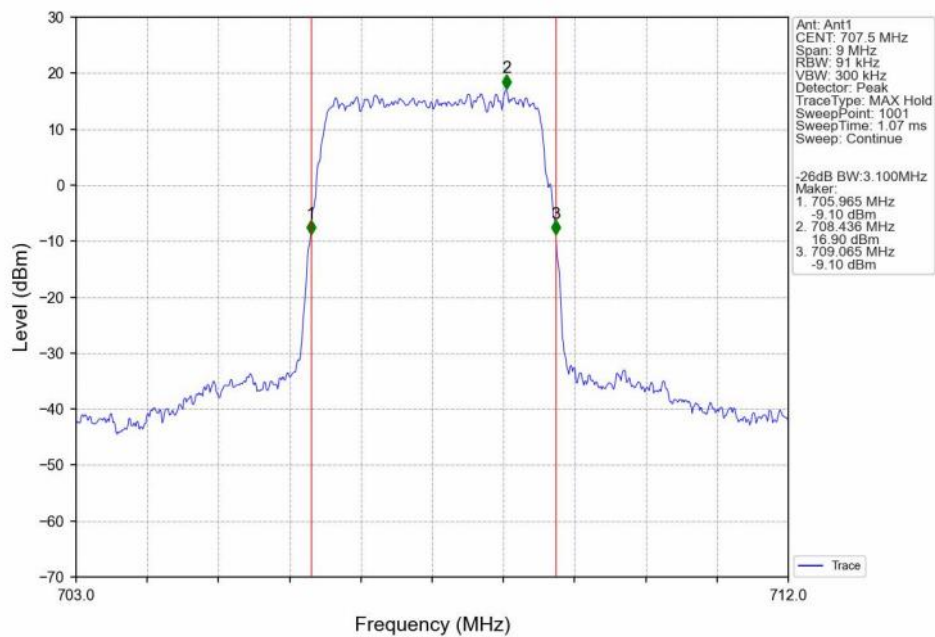
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



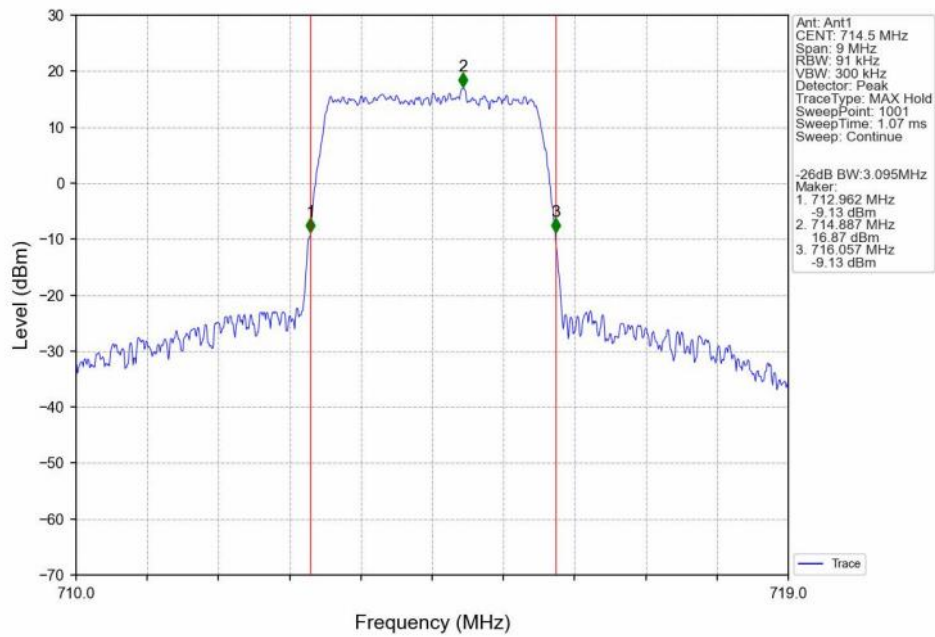
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



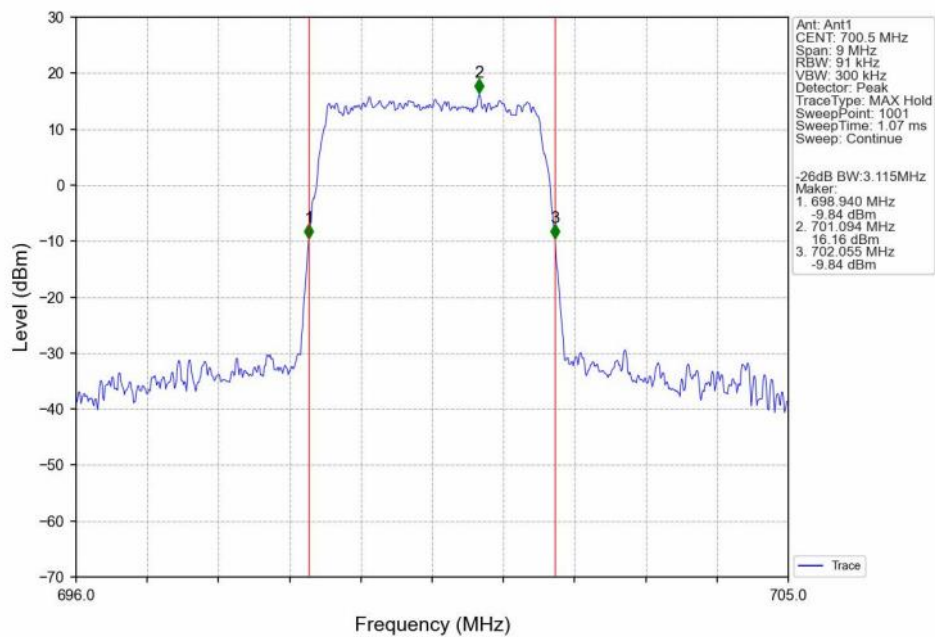
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



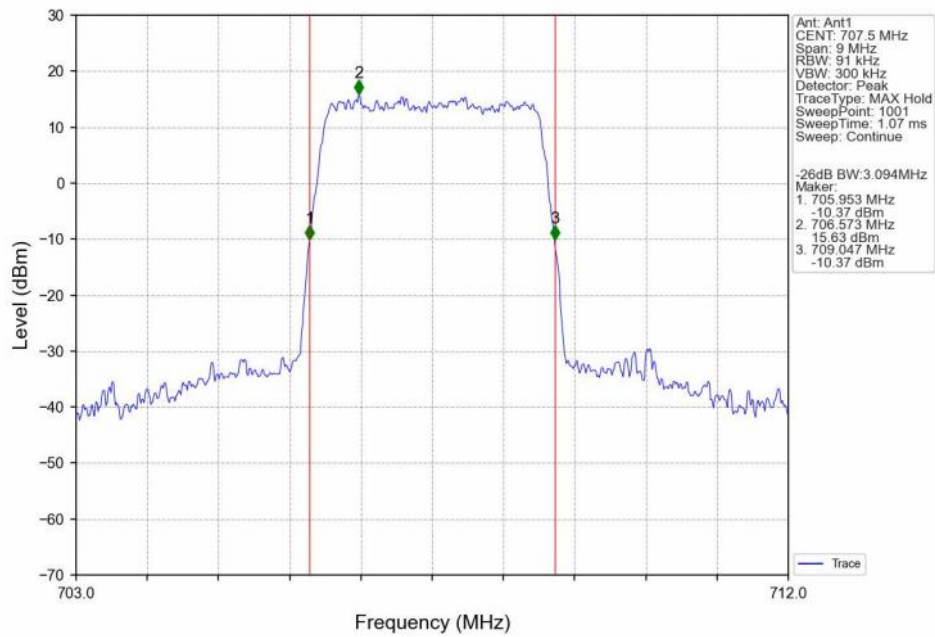
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



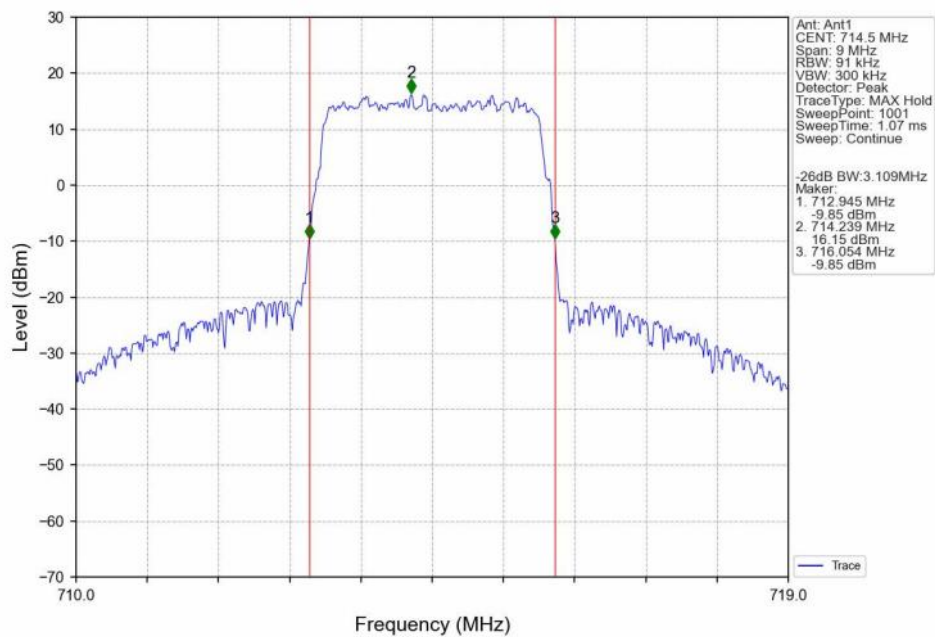
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



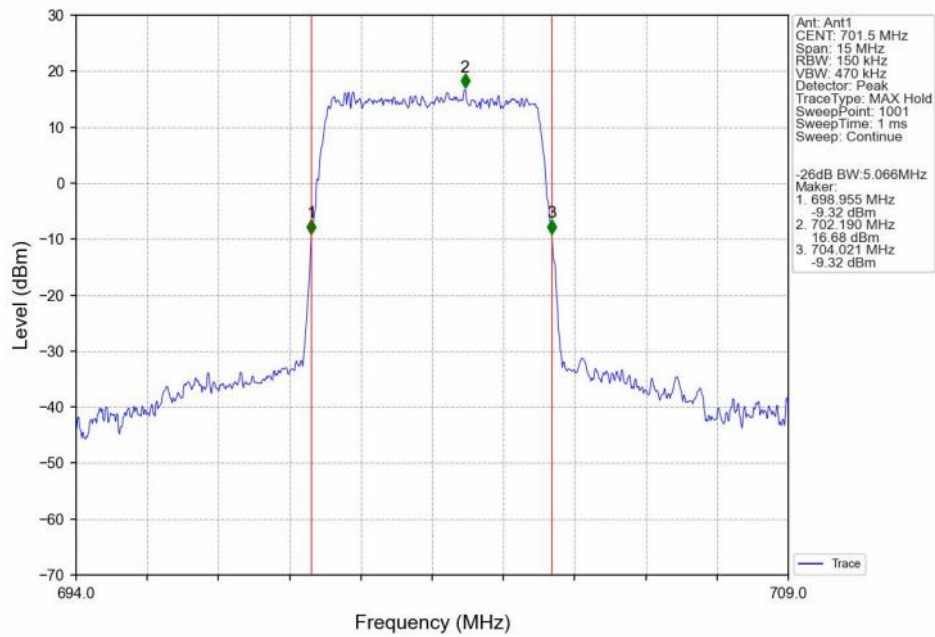
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



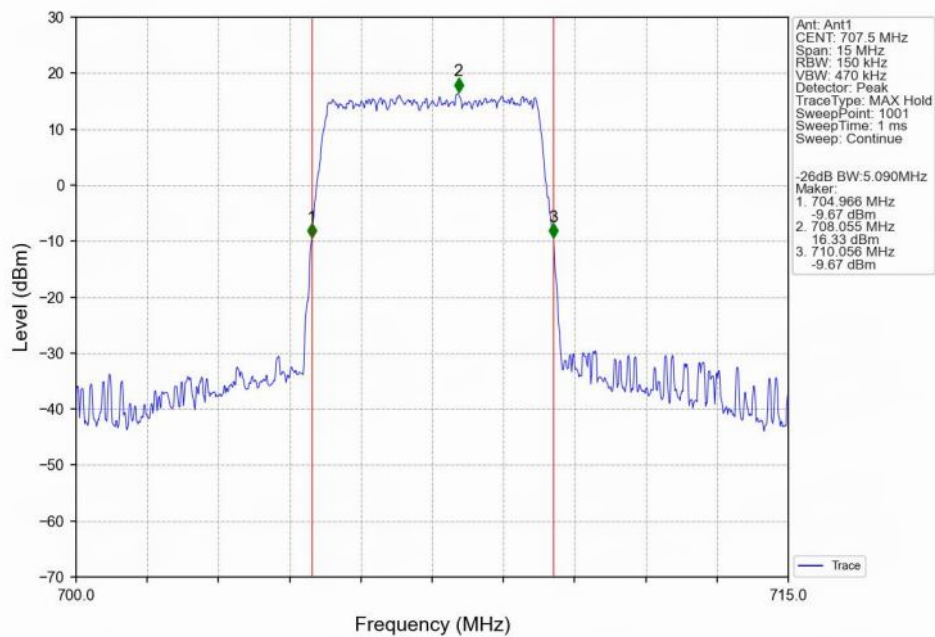
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



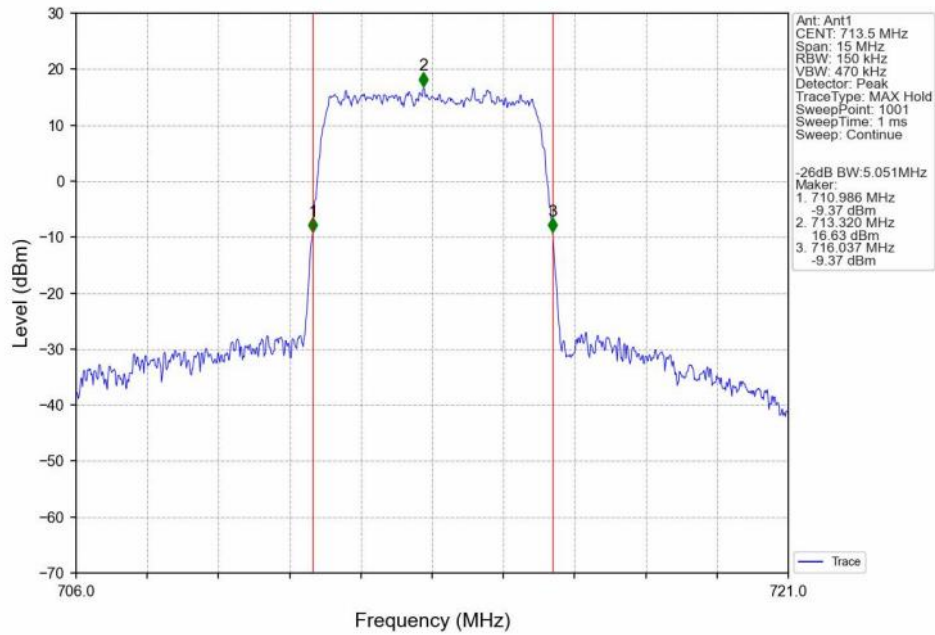
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



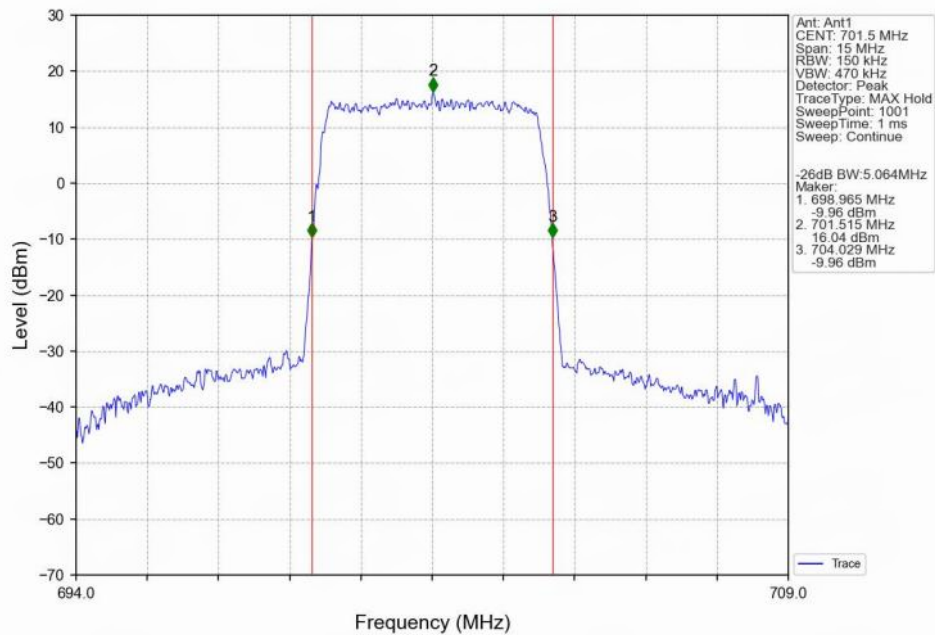
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



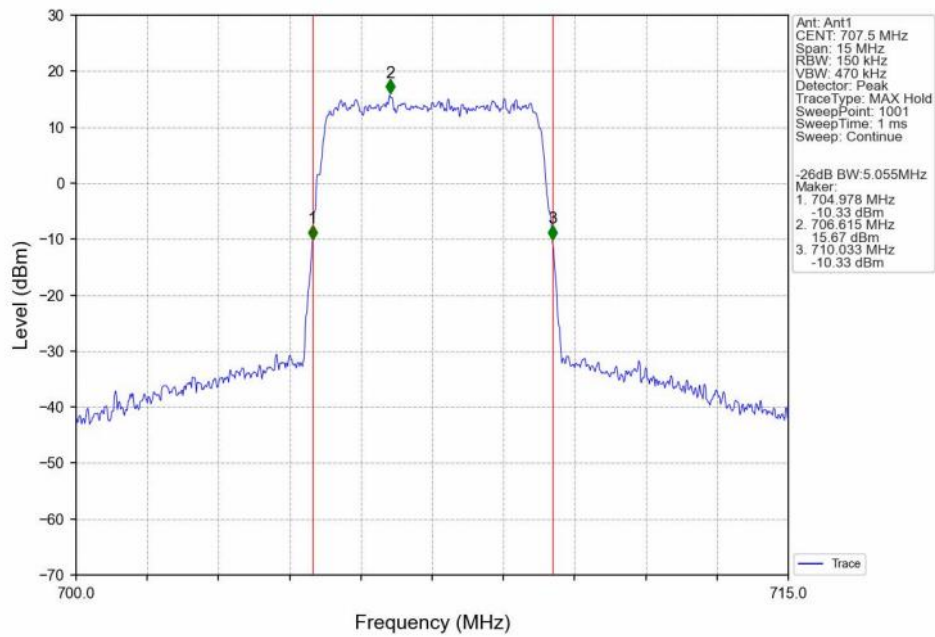
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



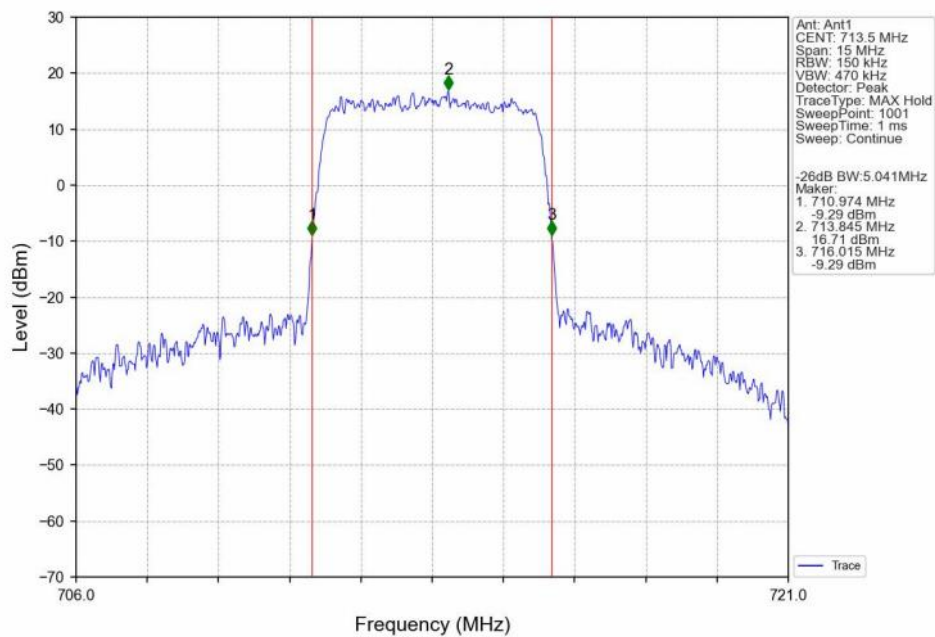
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



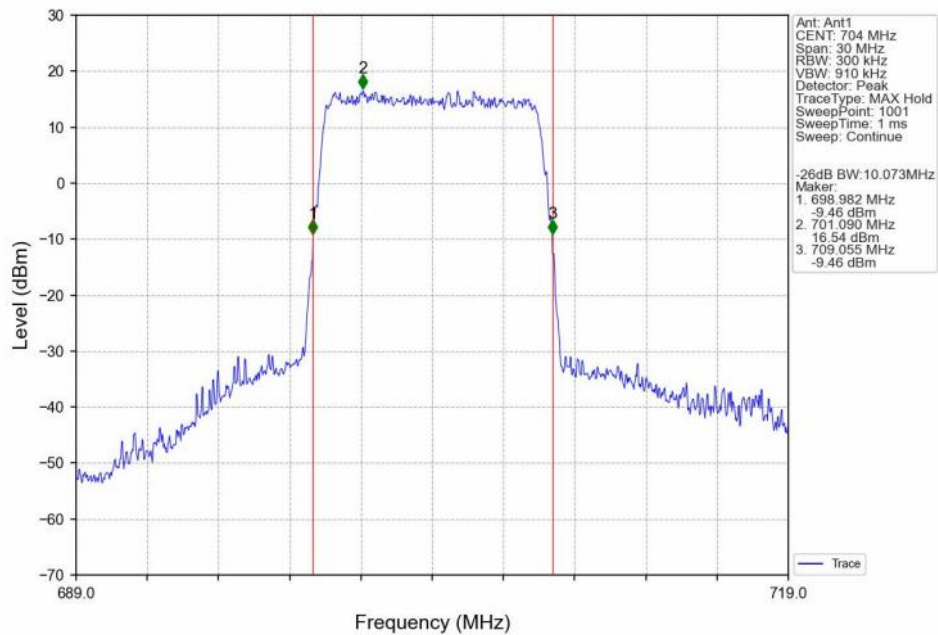
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



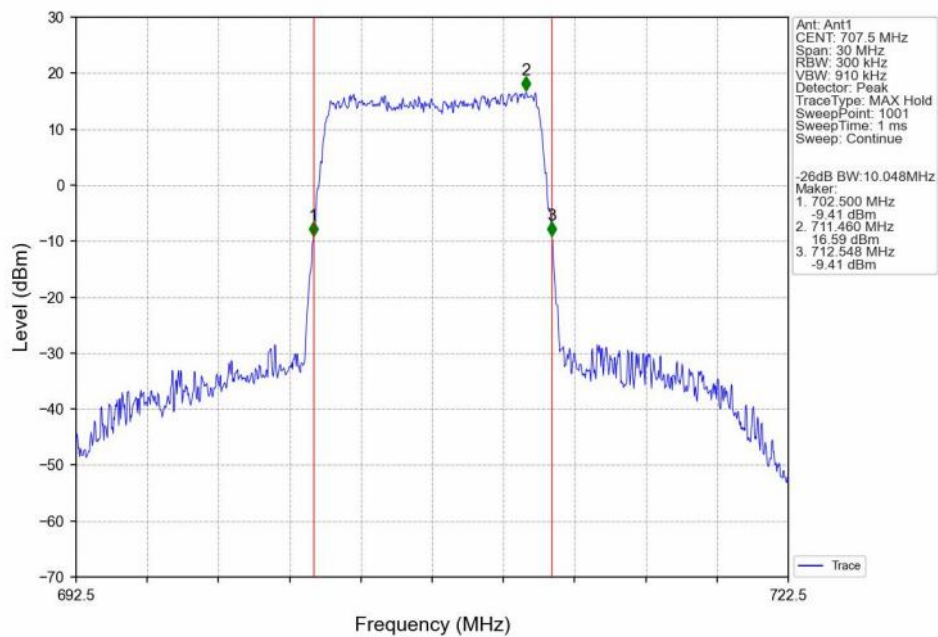
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



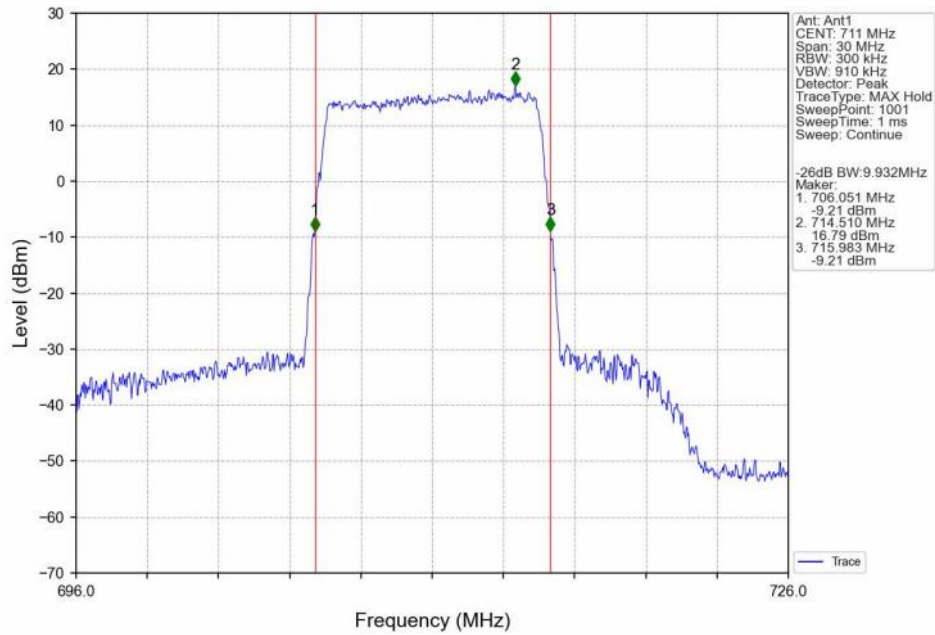
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



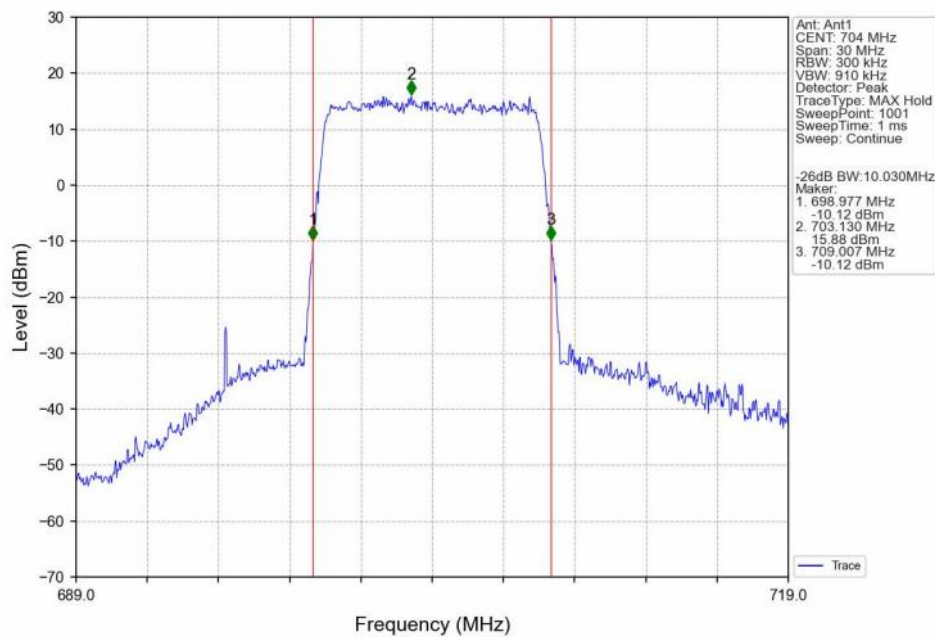
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



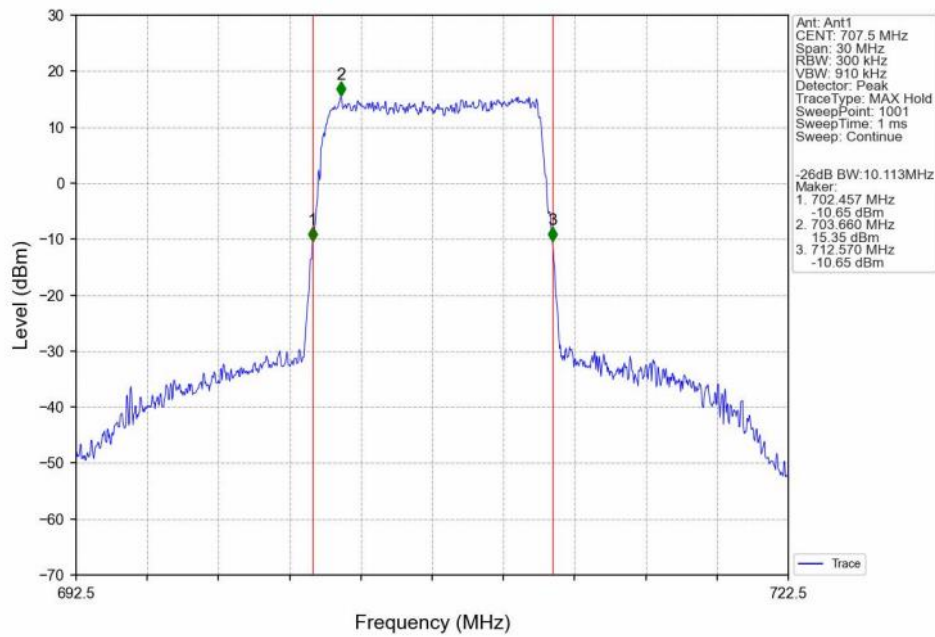
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



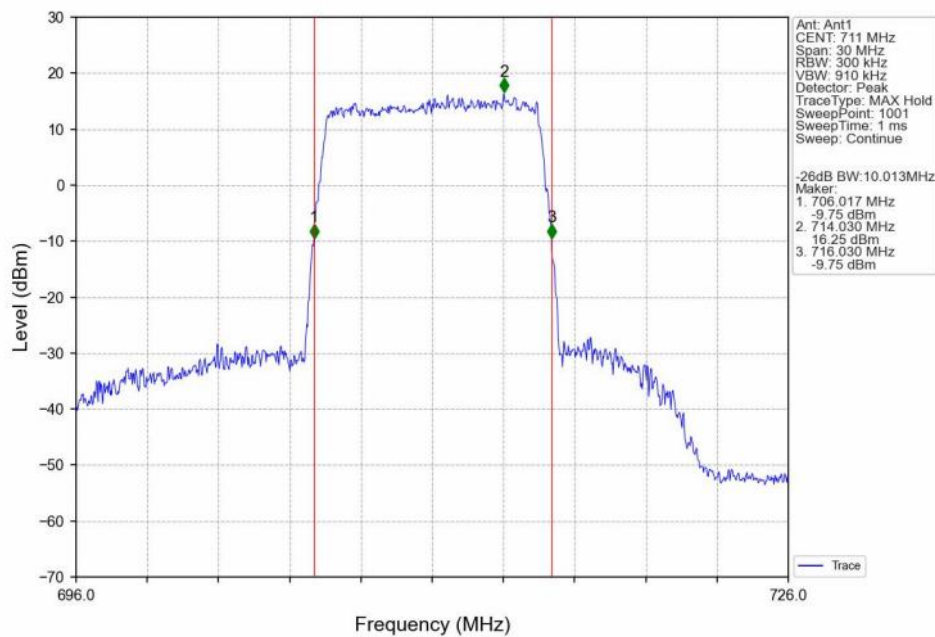
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.70	≤ 13	Pass
	707.5	6	0	5.80	≤ 13	Pass
	715.3	6	0	5.40	≤ 13	Pass
16QAM	699.7	6	0	6.36	≤ 13	Pass
	707.5	6	0	6.51	≤ 13	Pass
	715.3	6	0	5.95	≤ 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	5.70	≤ 13	Pass
	707.5	15	0	5.75	≤ 13	Pass
	714.5	15	0	5.48	≤ 13	Pass
16QAM	700.5	15	0	6.44	≤ 13	Pass
	707.5	15	0	6.60	≤ 13	Pass
	714.5	15	0	6.14	≤ 13	Pass

5.1.3 B12_5MHz

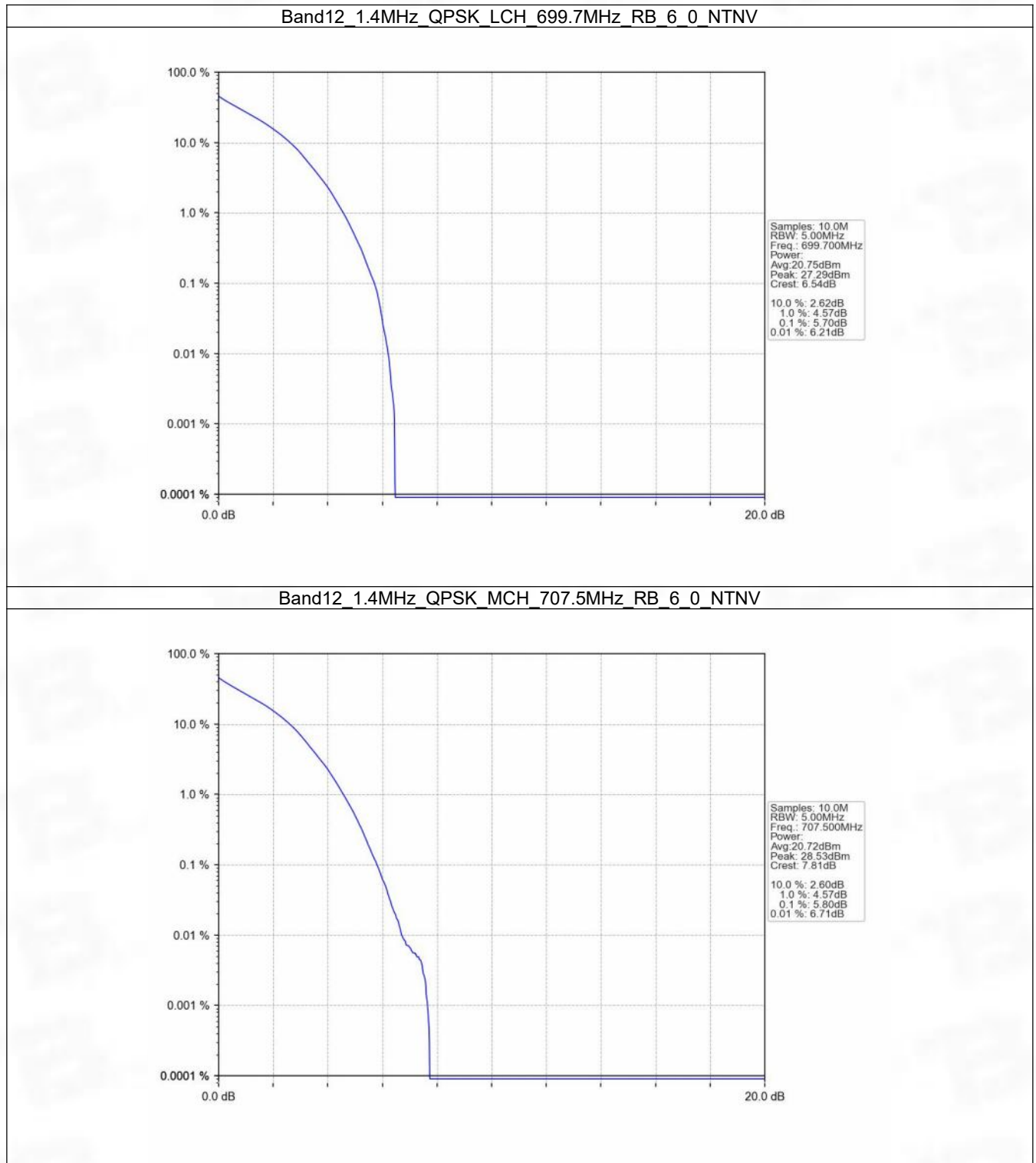
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.70	≤ 13	Pass
	707.5	25	0	5.83	≤ 13	Pass
	713.5	25	0	5.56	≤ 13	Pass
16QAM	701.5	25	0	6.48	≤ 13	Pass
	707.5	25	0	6.51	≤ 13	Pass
	713.5	25	0	6.17	≤ 13	Pass

5.1.4 B12_10MHz

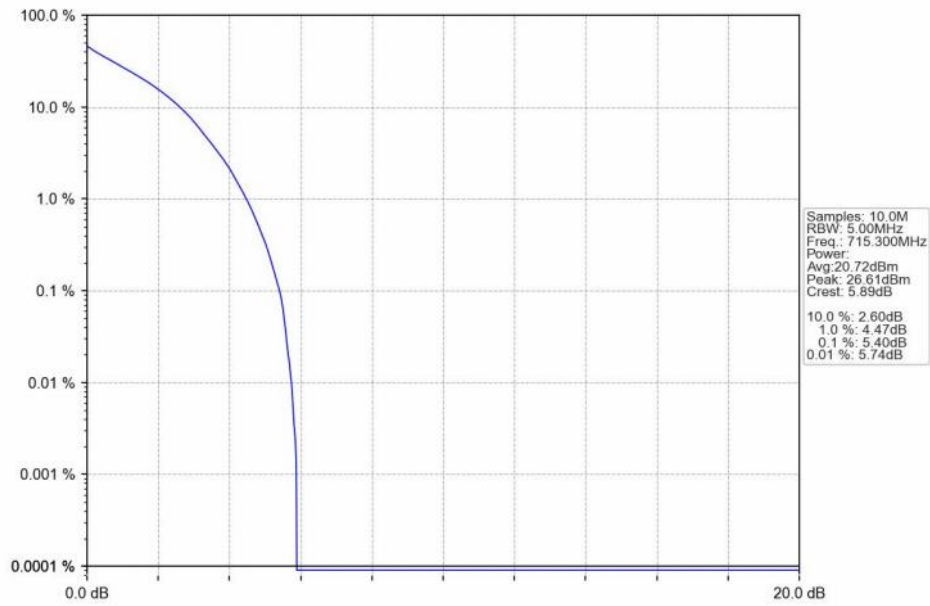
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.74	≤ 13	Pass
	707.5	50	0	5.87	≤ 13	Pass
	711	50	0	5.67	≤ 13	Pass
16QAM	704	50	0	6.47	≤ 13	Pass
	707.5	50	0	6.60	≤ 13	Pass
	711	50	0	6.33	≤ 13	Pass

5.2 Test Graph

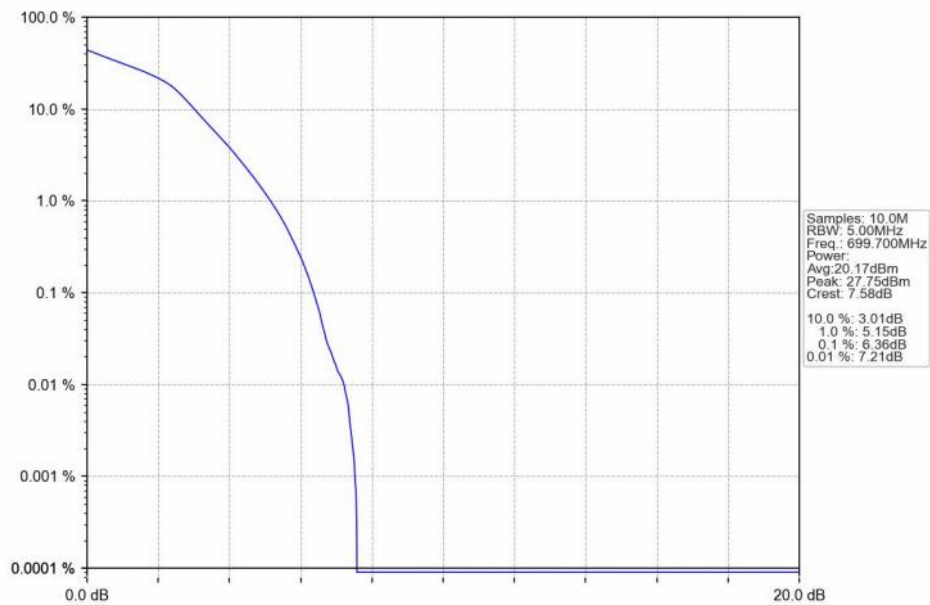
5.2.1 B12_1.4MHz



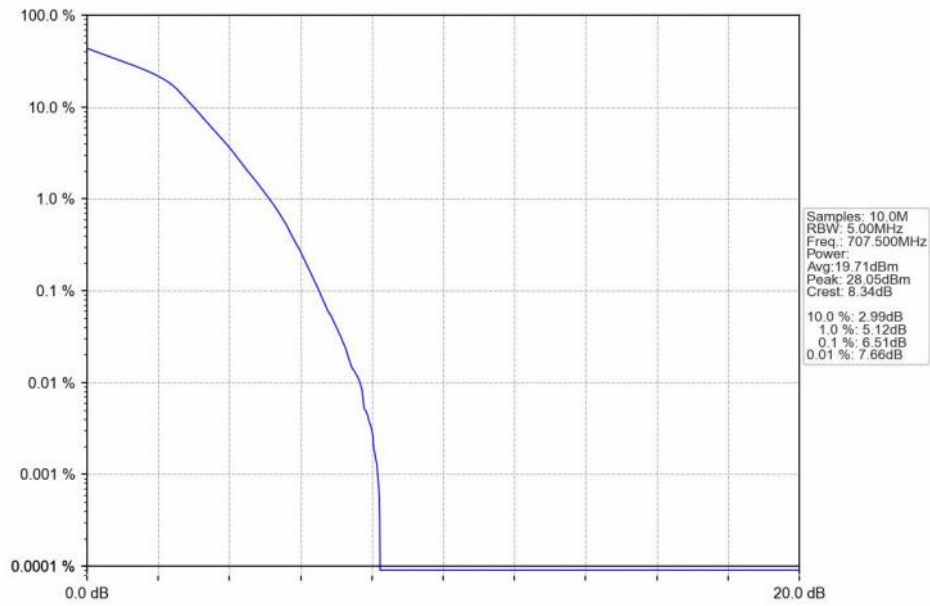
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



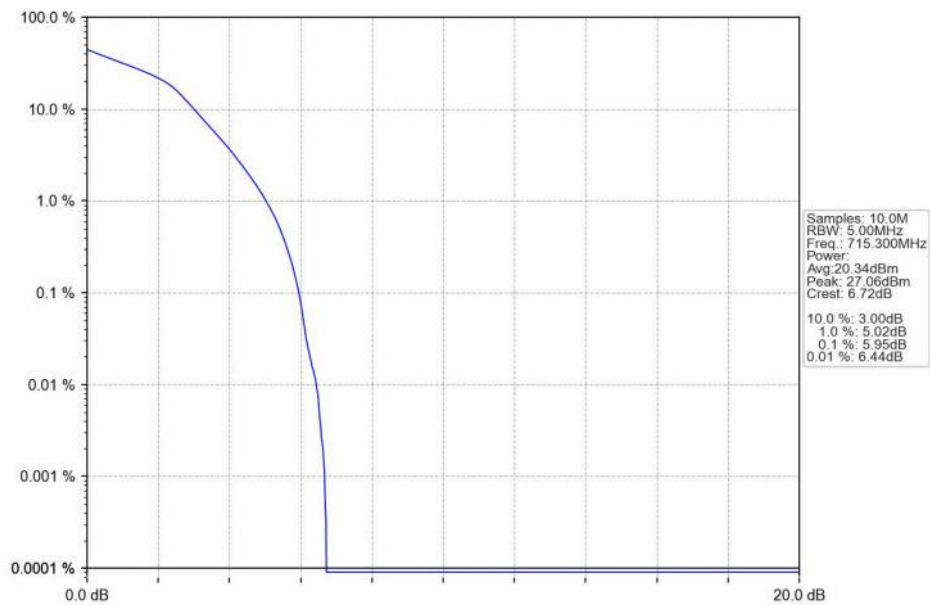
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



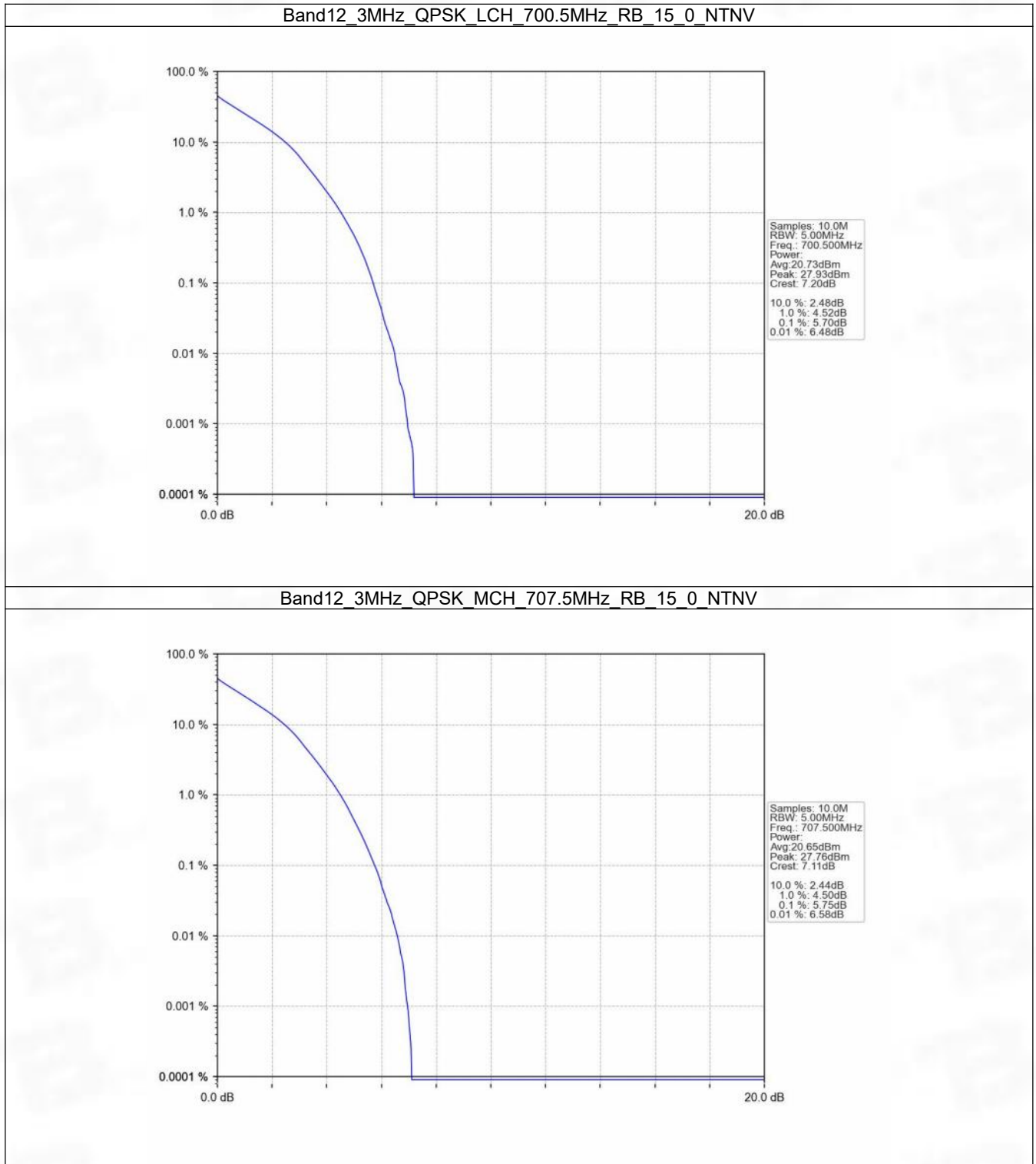
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



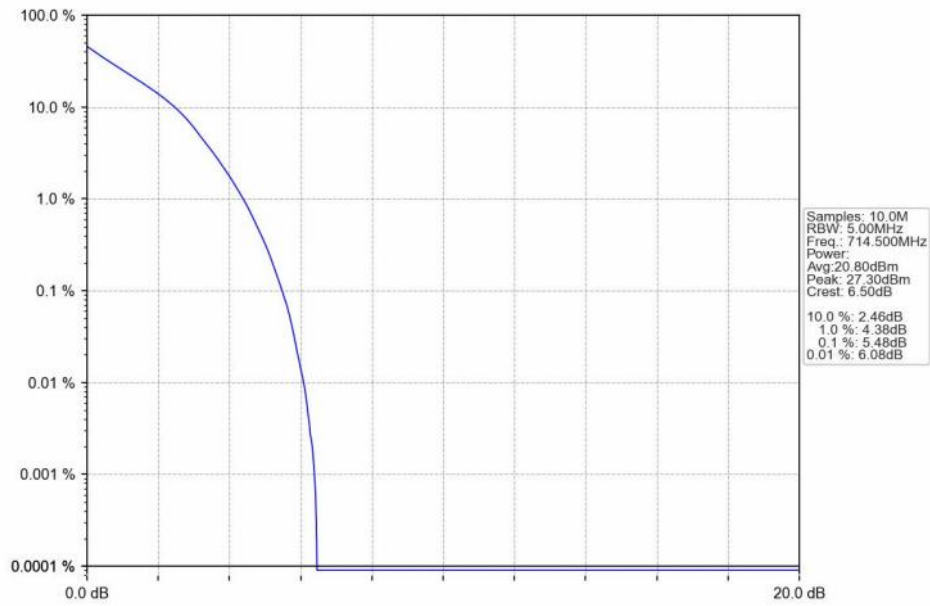
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



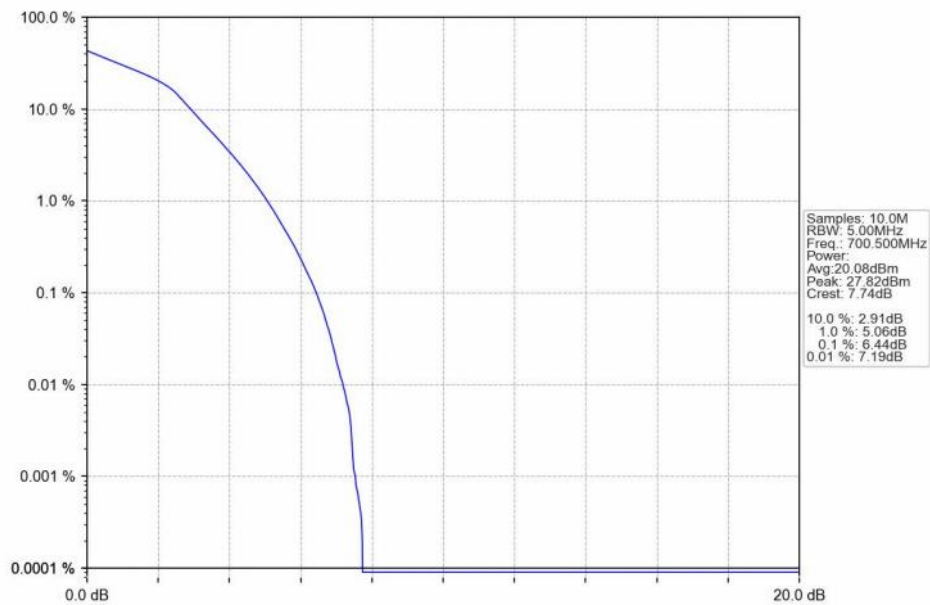
5.2.2 B12_3MHz



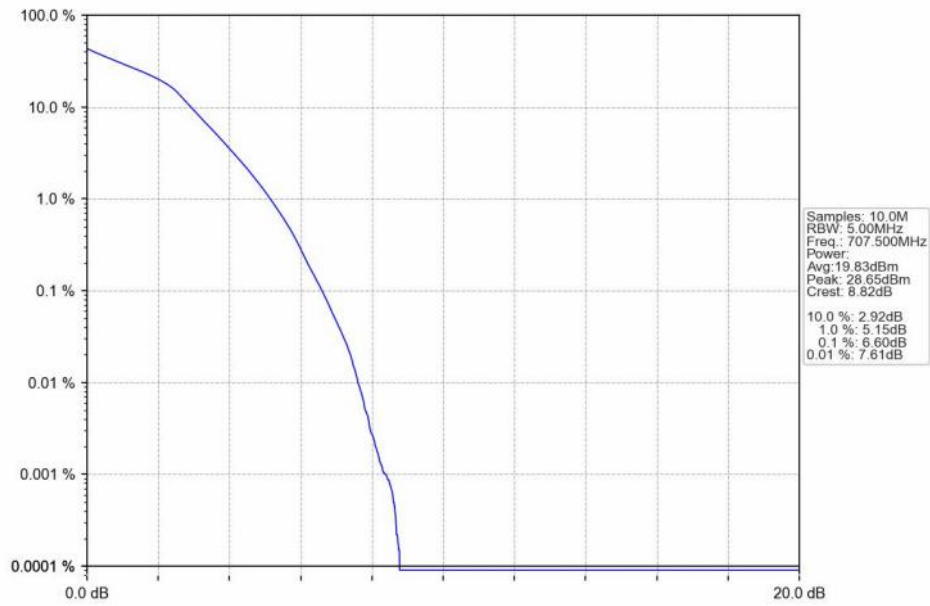
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



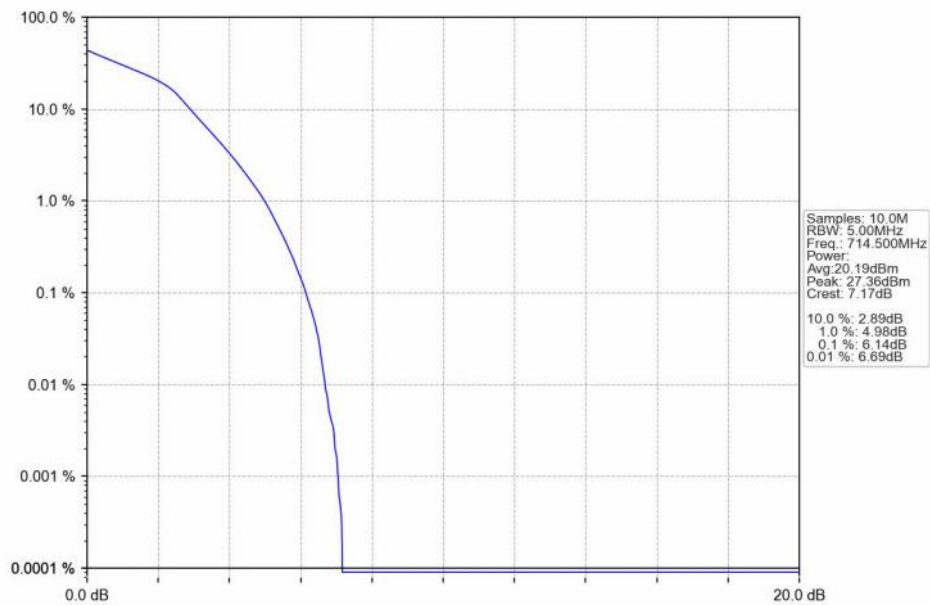
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



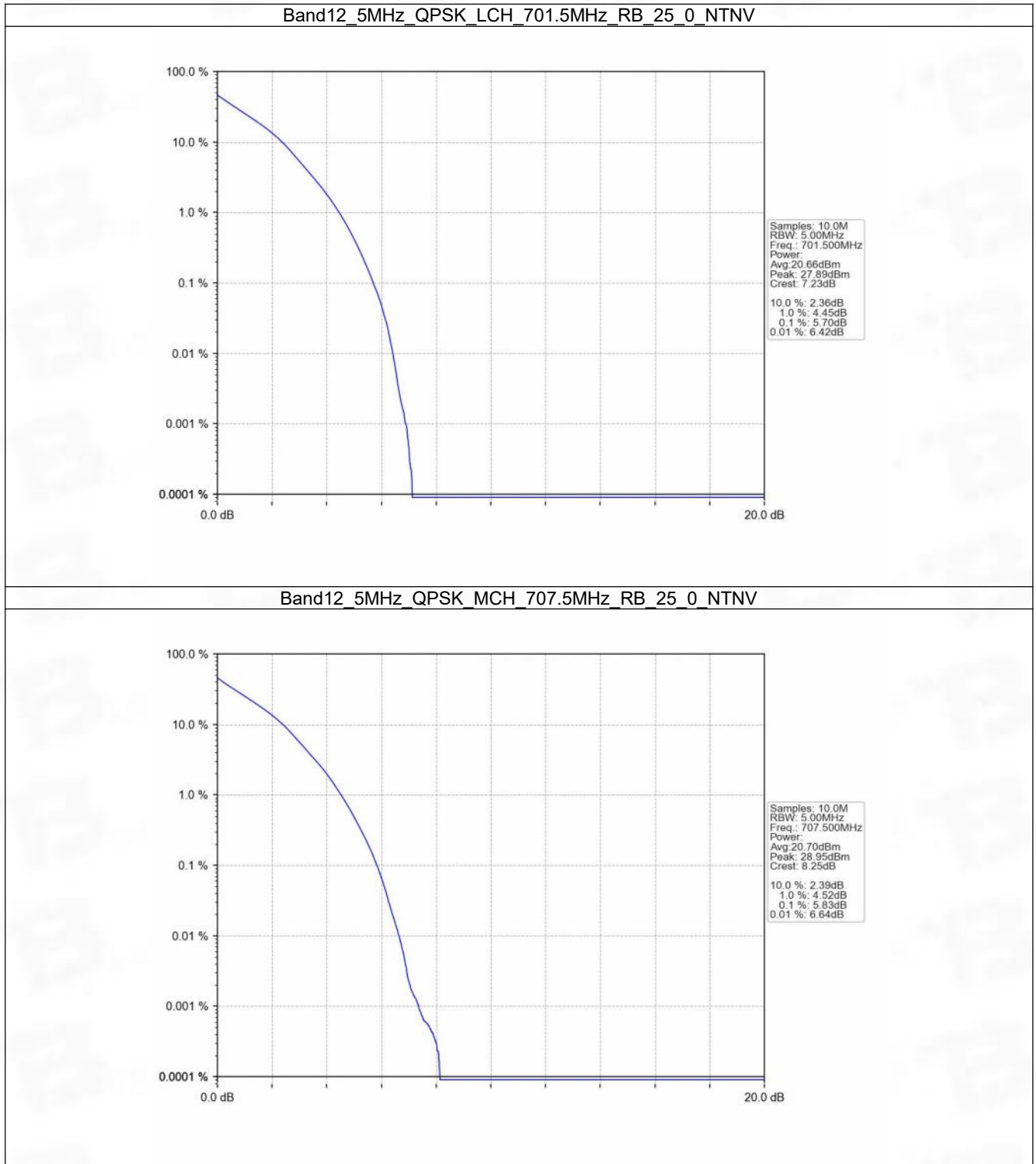
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



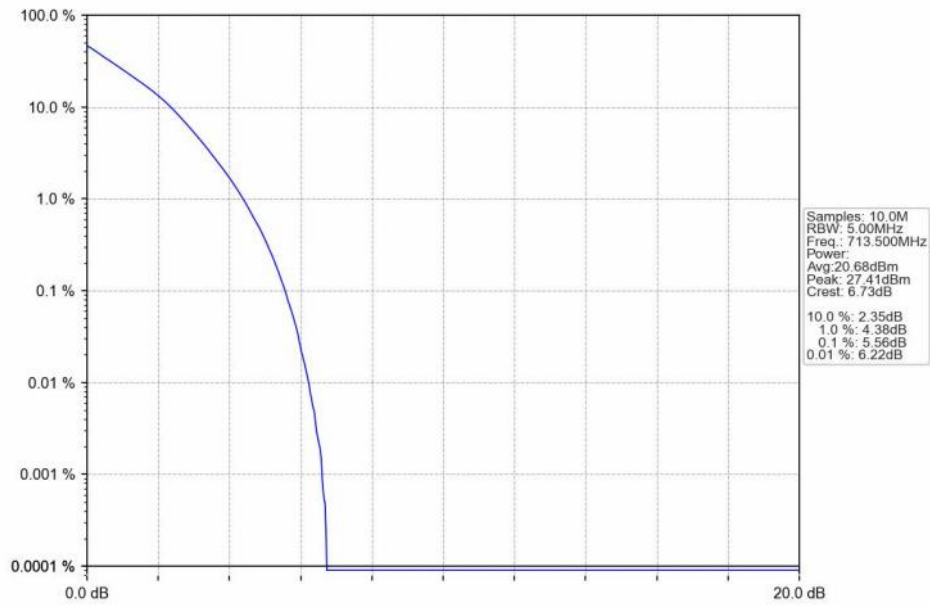
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



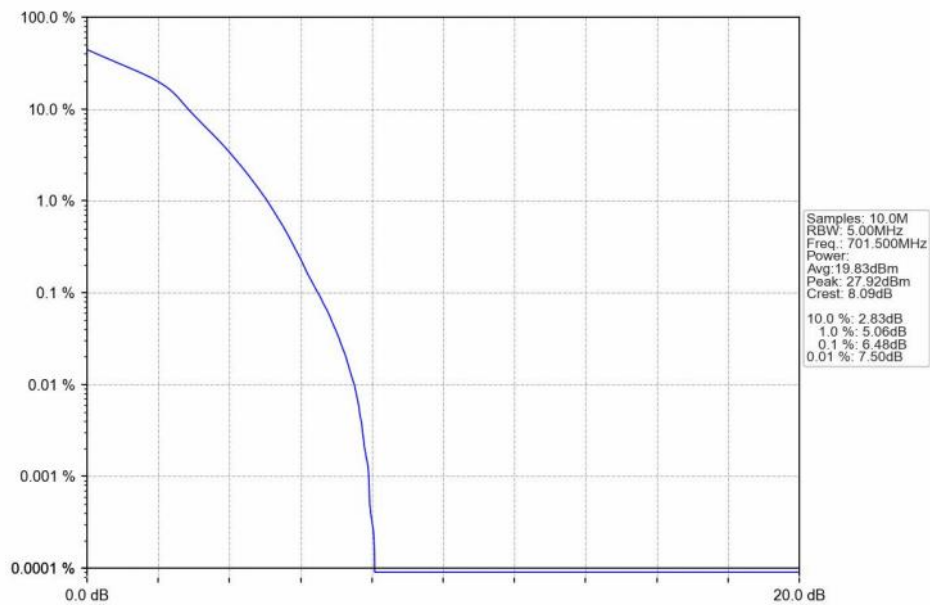
5.2.3 B12_5MHz



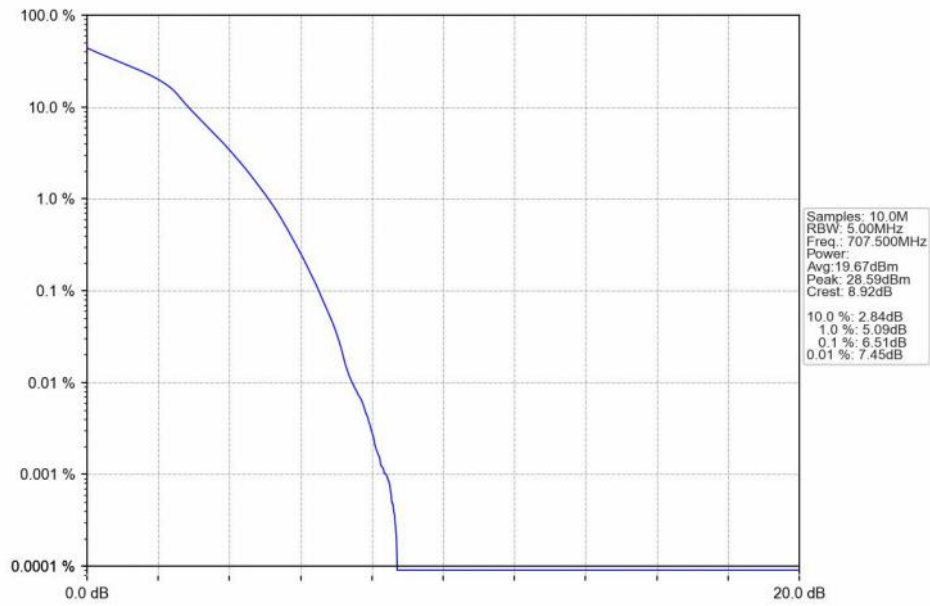
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



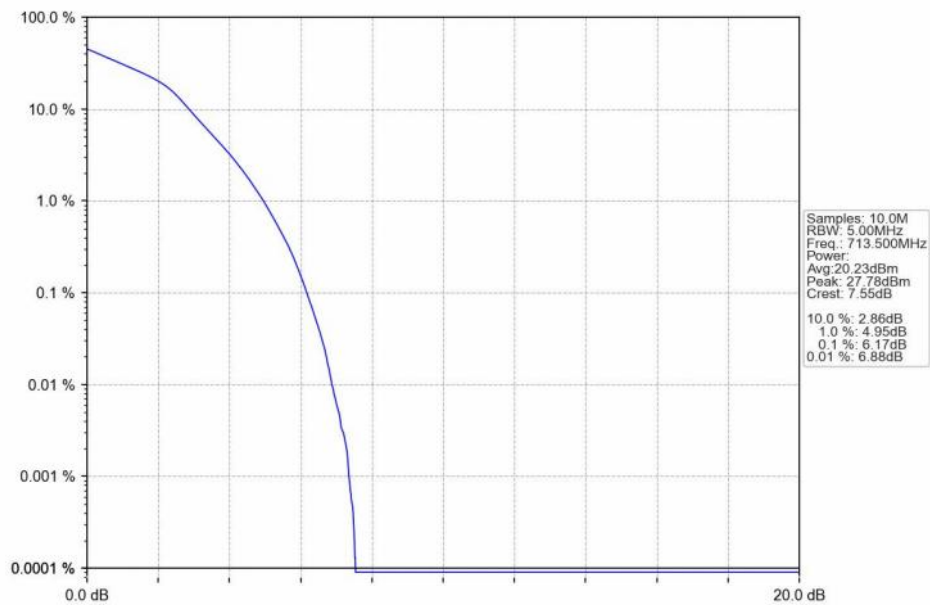
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



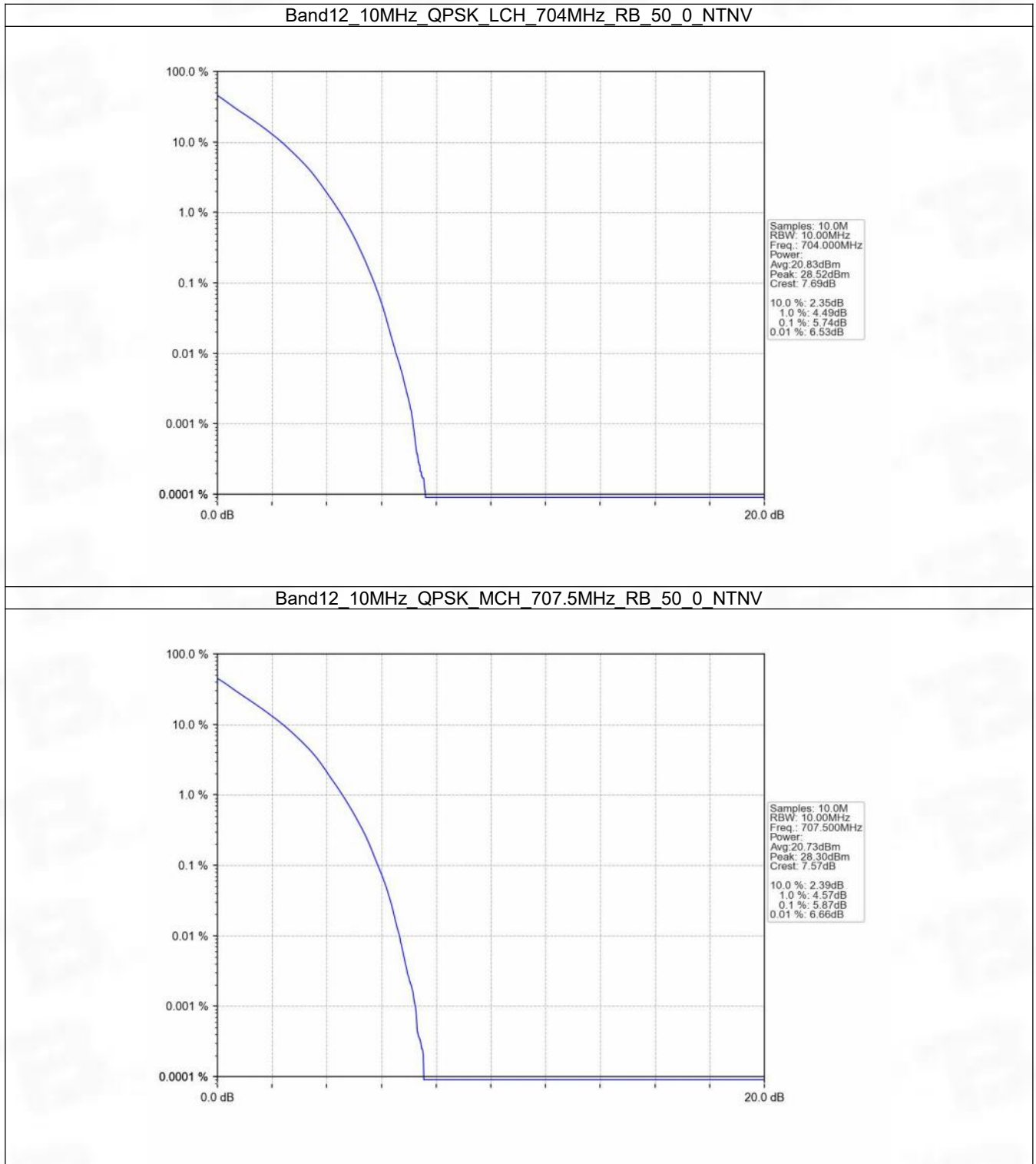
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



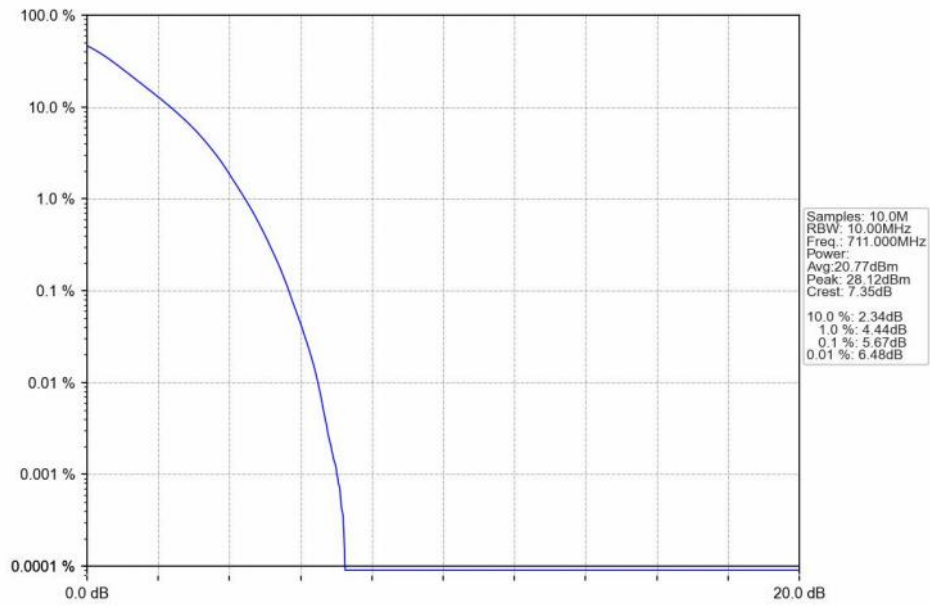
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



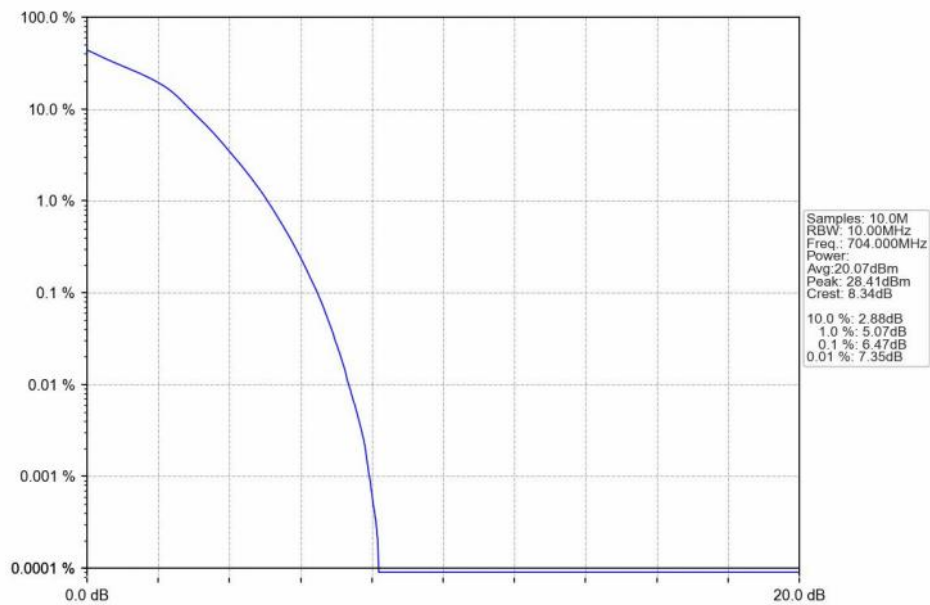
5.2.4 B12_10MHz



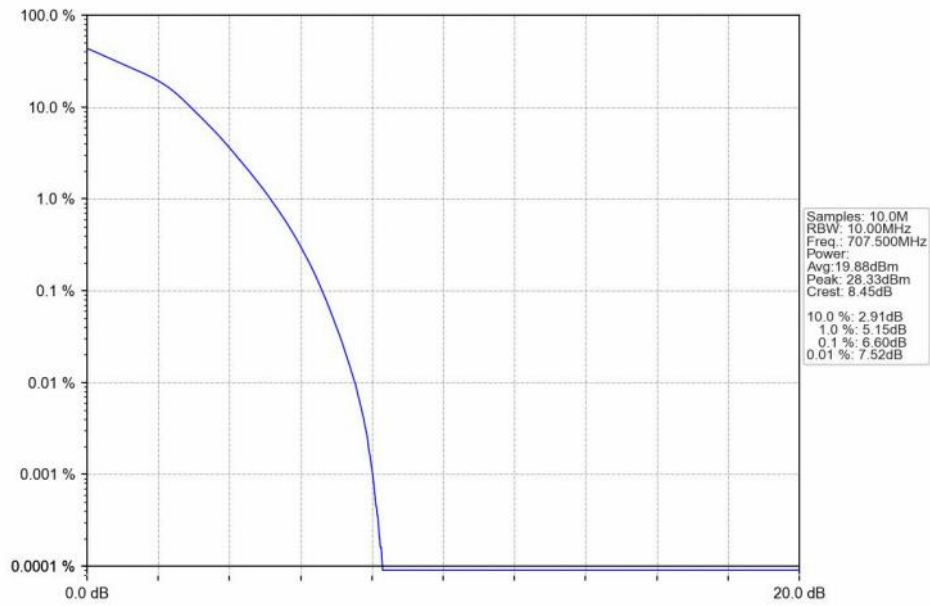
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



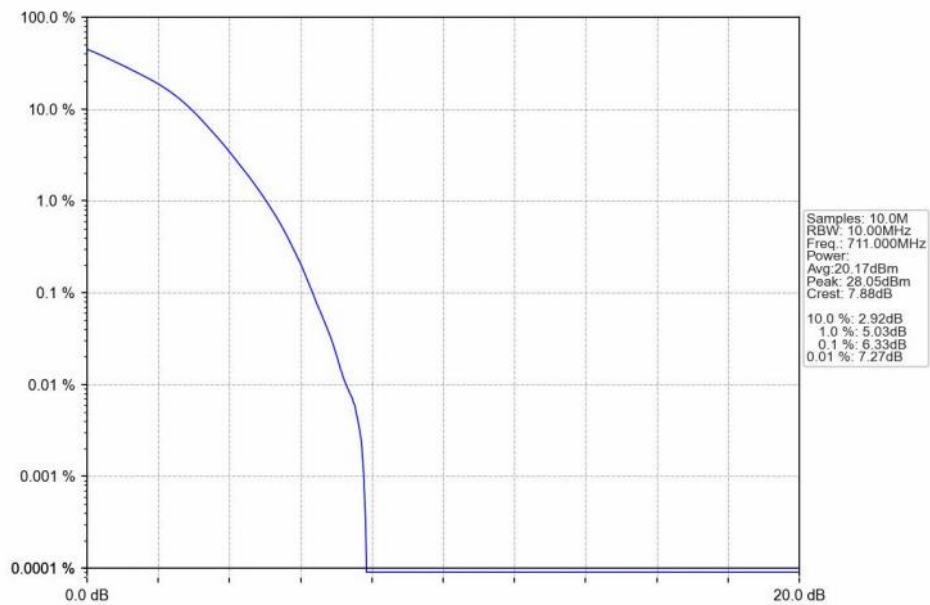
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	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 B12_3MHz

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

6.1.3 B12_5MHz

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

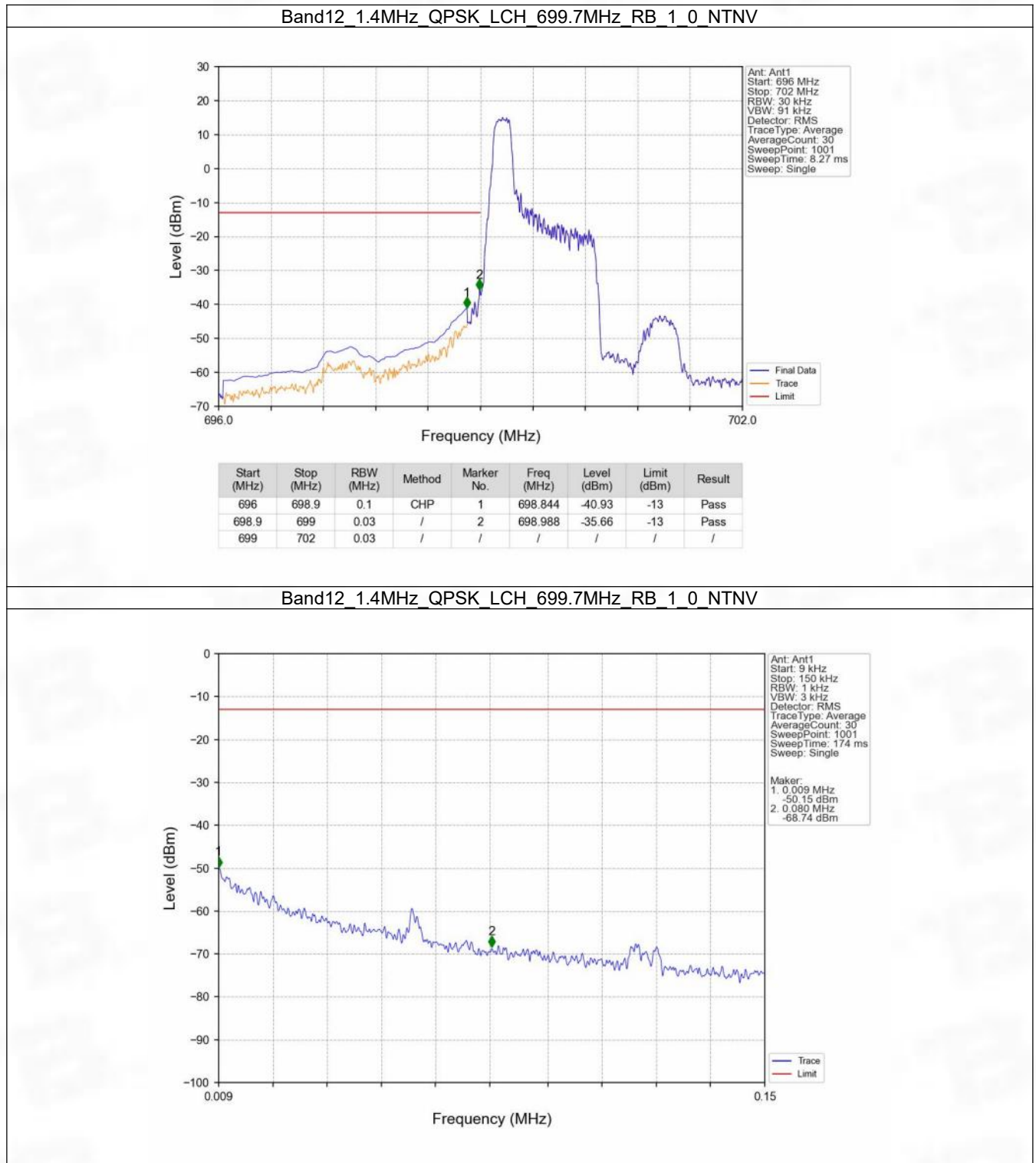
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

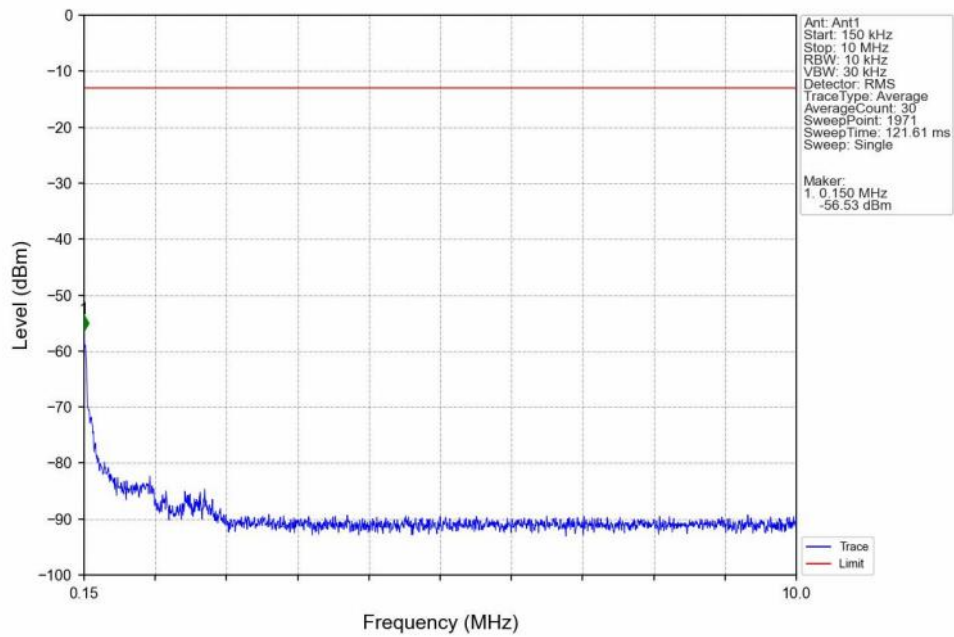
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
		50	49	Refer To Test Graph	Pass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

6.2 Test Graph

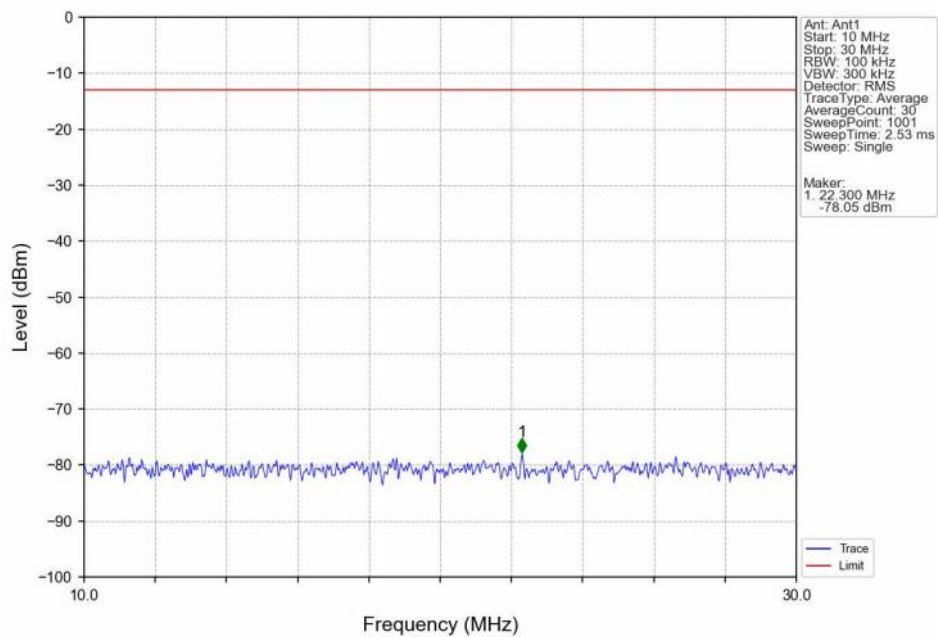
6.2.1 B12_1.4MHz



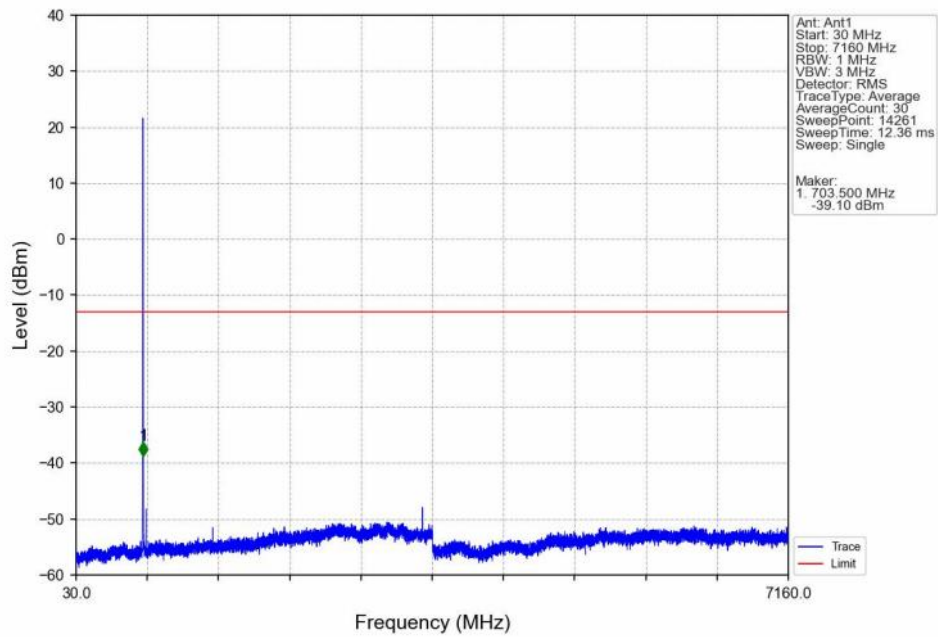
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



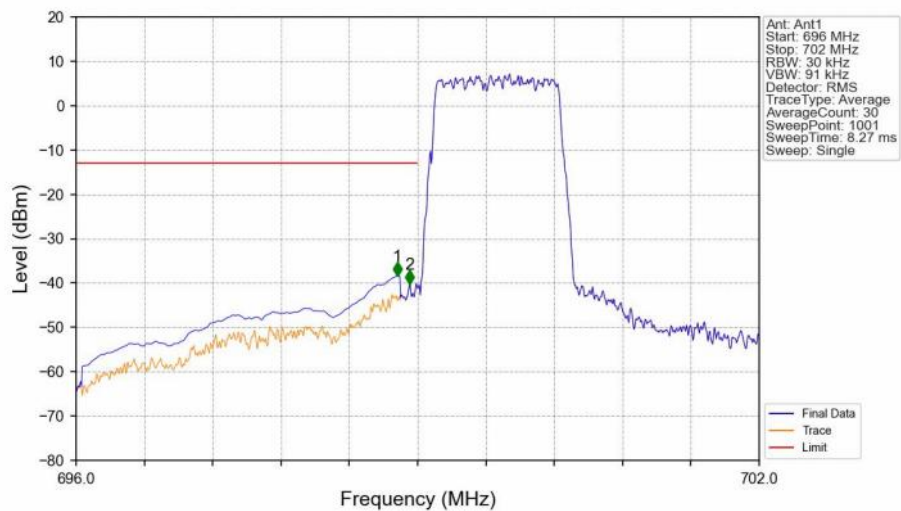
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

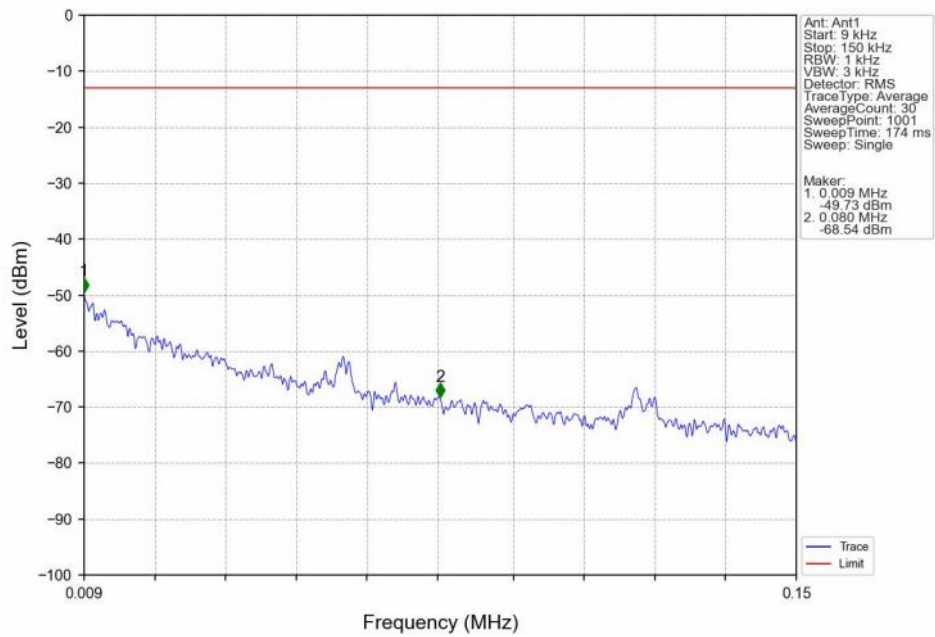


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.820	-38.43	-13	Pass
698.9	699	0.03	/	2	698.928	-40.16	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

