

Appendix - LTE_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	21.97	-1.91	17.91	<=34.77	Pass
			2	22.00	-1.91	17.94	<=34.77	Pass
			5	22.06	-1.91	18.00	<=34.77	Pass
		3	0	22.00	-1.91	17.94	<=34.77	Pass
			2	21.96	-1.91	17.90	<=34.77	Pass
			3	21.97	-1.91	17.91	<=34.77	Pass
		6	0	20.84	-1.91	16.78	<=34.77	Pass
	707.5	1	0	21.54	-1.91	17.48	<=34.77	Pass
			2	21.74	-1.91	17.68	<=34.77	Pass
			5	21.69	-1.91	17.63	<=34.77	Pass
		3	0	21.63	-1.91	17.57	<=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	20.72	-1.91	16.66	<=34.77	Pass
	715.3	1	0	21.71	-1.91	17.65	<=34.77	Pass
			2	21.74	-1.91	17.68	<=34.77	Pass
			5	21.75	-1.91	17.69	<=34.77	Pass
		3	0	21.71	-1.91	17.65	<=34.77	Pass
			2	21.78	-1.91	17.72	<=34.77	Pass
			3	21.79	-1.91	17.73	<=34.77	Pass
		6	0	20.65	-1.91	16.59	<=34.77	Pass
16QAM	699.7	1	0	20.99	-1.91	16.93	<=34.77	Pass
			2	20.93	-1.91	16.87	<=34.77	Pass
			5	20.88	-1.91	16.82	<=34.77	Pass
		3	0	20.52	-1.91	16.46	<=34.77	Pass
			2	20.56	-1.91	16.50	<=34.77	Pass
			3	20.50	-1.91	16.44	<=34.77	Pass
		6	0	20.37	-1.91	16.31	<=34.77	Pass
	707.5	1	0	21.19	-1.91	17.13	<=34.77	Pass
			2	21.24	-1.91	17.18	<=34.77	Pass
			5	21.29	-1.91	17.23	<=34.77	Pass
		3	0	20.68	-1.91	16.62	<=34.77	Pass
			2	20.70	-1.91	16.64	<=34.77	Pass
			3	20.70	-1.91	16.64	<=34.77	Pass
		6	0	20.39	-1.91	16.33	<=34.77	Pass
	715.3	1	0	21.50	-1.91	17.44	<=34.77	Pass
			2	21.35	-1.91	17.29	<=34.77	Pass
			5	21.32	-1.91	17.26	<=34.77	Pass
		3	0	20.48	-1.91	16.42	<=34.77	Pass
			2	20.54	-1.91	16.48	<=34.77	Pass
			3	20.49	-1.91	16.43	<=34.77	Pass
		6	0	19.71	-1.91	15.65	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	700.5	1	0	22.25	-1.91	18.19	<=34.77	Pass	
			7	21.96	-1.91	17.90	<=34.77	Pass	
			14	21.97	-1.91	17.91	<=34.77	Pass	
		8	0	20.94	-1.91	16.88	<=34.77	Pass	
			4	20.84	-1.91	16.78	<=34.77	Pass	
			7	20.82	-1.91	16.76	<=34.77	Pass	
		15	0	20.94	-1.91	16.88	<=34.77	Pass	
		707.5	1	0	21.50	-1.91	17.44	<=34.77	Pass
				7	21.59	-1.91	17.53	<=34.77	Pass
	14			21.50	-1.91	17.44	<=34.77	Pass	
	8		0	20.56	-1.91	16.50	<=34.77	Pass	
			4	20.66	-1.91	16.60	<=34.77	Pass	
			7	20.67	-1.91	16.61	<=34.77	Pass	
	15		0	20.57	-1.91	16.51	<=34.77	Pass	
	714.5		1	0	21.63	-1.91	17.57	<=34.77	Pass
				7	21.71	-1.91	17.65	<=34.77	Pass
		14		21.81	-1.91	17.75	<=34.77	Pass	
		8	0	20.65	-1.91	16.59	<=34.77	Pass	
			4	20.60	-1.91	16.54	<=34.77	Pass	
			7	20.73	-1.91	16.67	<=34.77	Pass	
		15	0	20.68	-1.91	16.62	<=34.77	Pass	
16QAM		700.5	1	0	20.92	-1.91	16.86	<=34.77	Pass
				7	20.87	-1.91	16.81	<=34.77	Pass
	14			20.89	-1.91	16.83	<=34.77	Pass	
	8		0	20.55	-1.91	16.49	<=34.77	Pass	
			4	20.48	-1.91	16.42	<=34.77	Pass	
			7	20.46	-1.91	16.40	<=34.77	Pass	
	15		0	20.38	-1.91	16.32	<=34.77	Pass	
	707.5		1	0	21.81	-1.91	17.75	<=34.77	Pass
				7	21.96	-1.91	17.90	<=34.77	Pass
		14		21.89	-1.91	17.83	<=34.77	Pass	
		8	0	20.30	-1.91	16.24	<=34.77	Pass	
			4	20.34	-1.91	16.28	<=34.77	Pass	
			7	20.25	-1.91	16.19	<=34.77	Pass	
		15	0	20.28	-1.91	16.22	<=34.77	Pass	
		714.5	1	0	21.44	-1.91	17.38	<=34.77	Pass
				7	21.37	-1.91	17.31	<=34.77	Pass
	14			21.44	-1.91	17.38	<=34.77	Pass	
	8		0	20.42	-1.91	16.36	<=34.77	Pass	
			4	20.47	-1.91	16.41	<=34.77	Pass	
			7	19.99	-1.91	15.93	<=34.77	Pass	
	15		0	20.23	-1.91	16.17	<=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	21.84	-1.91	17.78	<=34.77	Pass
			13	21.60	-1.91	17.54	<=34.77	Pass
			24	21.69	-1.91	17.63	<=34.77	Pass
		12	0	20.86	-1.91	16.80	<=34.77	Pass
			6	20.89	-1.91	16.83	<=34.77	Pass
			13	20.78	-1.91	16.72	<=34.77	Pass

16QAM	707.5	25	0	20.83	-1.91	16.77	<=34.77	Pass
			0	21.58	-1.91	17.52	<=34.77	Pass
			13	21.50	-1.91	17.44	<=34.77	Pass
		1	24	21.58	-1.91	17.52	<=34.77	Pass
			0	20.61	-1.91	16.55	<=34.77	Pass
			6	20.72	-1.91	16.66	<=34.77	Pass
			13	20.56	-1.91	16.50	<=34.77	Pass
		12	25	20.67	-1.91	16.61	<=34.77	Pass
			0	21.70	-1.91	17.64	<=34.77	Pass
			13	21.66	-1.91	17.60	<=34.77	Pass
	713.5	1	24	21.64	-1.91	17.58	<=34.77	Pass
			0	20.69	-1.91	16.63	<=34.77	Pass
			6	20.70	-1.91	16.64	<=34.77	Pass
		12	13	20.63	-1.91	16.57	<=34.77	Pass
			25	20.66	-1.91	16.60	<=34.77	Pass
			0	21.31	-1.91	17.25	<=34.77	Pass
		1	13	21.29	-1.91	17.23	<=34.77	Pass
			24	21.20	-1.91	17.14	<=34.77	Pass
			0	20.37	-1.91	16.31	<=34.77	Pass
16QAM	701.5	12	6	20.22	-1.91	16.16	<=34.77	Pass
			13	20.30	-1.91	16.24	<=34.77	Pass
			25	20.40	-1.91	16.34	<=34.77	Pass
	707.5	1	0	20.75	-1.91	16.69	<=34.77	Pass
			13	20.81	-1.91	16.75	<=34.77	Pass
			24	20.91	-1.91	16.85	<=34.77	Pass
		12	0	20.06	-1.91	16.00	<=34.77	Pass
			6	20.13	-1.91	16.07	<=34.77	Pass
			13	20.09	-1.91	16.03	<=34.77	Pass
		25	0	20.07	-1.91	16.01	<=34.77	Pass
	713.5	1	0	20.21	-1.91	16.15	<=34.77	Pass
			13	20.16	-1.91	16.10	<=34.77	Pass
			24	20.29	-1.91	16.23	<=34.77	Pass
		12	0	20.13	-1.91	16.07	<=34.77	Pass
			6	20.16	-1.91	16.10	<=34.77	Pass
			13	20.18	-1.91	16.12	<=34.77	Pass
		25	0	20.29	-1.91	16.23	<=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	21.84	-1.91	17.78	<=34.77	Pass
			25	21.61	-1.91	17.55	<=34.77	Pass
			49	21.58	-1.91	17.52	<=34.77	Pass
		25	0	20.74	-1.91	16.68	<=34.77	Pass
			13	20.70	-1.91	16.64	<=34.77	Pass
			25	20.67	-1.91	16.61	<=34.77	Pass
		50	0	20.75	-1.91	16.69	<=34.77	Pass
			0	21.66	-1.91	17.60	<=34.77	Pass
			25	21.52	-1.91	17.46	<=34.77	Pass
	707.5	1	49	21.66	-1.91	17.60	<=34.77	Pass
			0	20.80	-1.91	16.74	<=34.77	Pass
			13	20.64	-1.91	16.58	<=34.77	Pass
		25	25	20.72	-1.91	16.66	<=34.77	Pass
			0	20.59	-1.91	16.53	<=34.77	Pass
			0	21.63	-1.91	17.57	<=34.77	Pass

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Page 3 of 121

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16QAM	704	25	25	21.73	-1.91	17.67	<=34.77	Pass
			49	21.79	-1.91	17.73	<=34.77	Pass
			0	20.62	-1.91	16.56	<=34.77	Pass
			13	20.77	-1.91	16.71	<=34.77	Pass
			25	20.65	-1.91	16.59	<=34.77	Pass
		50	0	20.78	-1.91	16.72	<=34.77	Pass
		1	0	21.98	-1.91	17.92	<=34.77	Pass
			25	21.84	-1.91	17.78	<=34.77	Pass
			49	21.91	-1.91	17.85	<=34.77	Pass
			0	20.29	-1.91	16.23	<=34.77	Pass
	707.5	25	13	19.80	-1.91	15.74	<=34.77	Pass
			25	20.31	-1.91	16.25	<=34.77	Pass
			0	19.78	-1.91	15.72	<=34.77	Pass
		1	0	21.23	-1.91	17.17	<=34.77	Pass
			25	21.23	-1.91	17.17	<=34.77	Pass
			49	21.14	-1.91	17.08	<=34.77	Pass
		25	0	20.25	-1.91	16.19	<=34.77	Pass
			13	20.22	-1.91	16.16	<=34.77	Pass
			25	19.62	-1.91	15.56	<=34.77	Pass
			0	20.19	-1.91	16.13	<=34.77	Pass
	711	1	0	21.80	-1.91	17.74	<=34.77	Pass
			25	21.90	-1.91	17.84	<=34.77	Pass
			49	21.95	-1.91	17.89	<=34.77	Pass
		25	0	20.26	-1.91	16.20	<=34.77	Pass
			13	19.67	-1.91	15.61	<=34.77	Pass
			25	20.20	-1.91	16.14	<=34.77	Pass
			0	19.72	-1.91	15.66	<=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	-8.998	-0.0129	-2.5 to 2.5	Pass
					3.85	-7.725	-0.0110	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	5.765	0.0082	-2.5 to 2.5	Pass
				-20	3.85	10.815	0.0155	-2.5 to 2.5	Pass
				-10	3.85	14.677	0.0210	-2.5 to 2.5	Pass
				0	3.85	16.022	0.0229	-2.5 to 2.5	Pass
				10	3.85	20.871	0.0298	-2.5 to 2.5	Pass
				30	3.85	22.531	0.0322	-2.5 to 2.5	Pass
				40	3.85	19.026	0.0272	-2.5 to 2.5	Pass
				50	3.85	20.742	0.0296	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-23.890	-0.0338	-2.5 to 2.5	Pass
					3.85	-14.849	-0.0210	-2.5 to 2.5	Pass
					4.43	2.518	0.0036	-2.5 to 2.5	Pass
				-30	3.85	22.016	0.0311	-2.5 to 2.5	Pass
				-20	3.85	36.993	0.0523	-2.5 to 2.5	Pass
				-10	3.85	2.146	0.0030	-2.5 to 2.5	Pass
				0	3.85	12.589	0.0178	-2.5 to 2.5	Pass

	715.3	6	0	10	3.85	19.298	0.0273	-2.5 to 2.5	Pass
				30	3.85	25.792	0.0365	-2.5 to 2.5	Pass
				40	3.85	34.475	0.0487	-2.5 to 2.5	Pass
				50	3.85	40.298	0.0570	-2.5 to 2.5	Pass
				20	3.27	0.529	0.0007	-2.5 to 2.5	Pass
					3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.589	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-1.602	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.302	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.646	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-3.562	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-6.251	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-6.194	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-6.995	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-7.353	-0.0103	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	20.885	0.0298	-2.5 to 2.5	Pass
					3.85	19.670	0.0281	-2.5 to 2.5	Pass
					4.43	16.851	0.0241	-2.5 to 2.5	Pass
				-30	3.85	13.418	0.0192	-2.5 to 2.5	Pass
				-20	3.85	10.185	0.0146	-2.5 to 2.5	Pass
				-10	3.85	10.958	0.0157	-2.5 to 2.5	Pass
				0	3.85	9.112	0.0130	-2.5 to 2.5	Pass
				10	3.85	9.227	0.0132	-2.5 to 2.5	Pass
				30	3.85	9.055	0.0129	-2.5 to 2.5	Pass
				40	3.85	8.669	0.0124	-2.5 to 2.5	Pass
	707.5	6	0	50	3.85	11.702	0.0167	-2.5 to 2.5	Pass
				20	3.27	44.875	0.0634	-2.5 to 2.5	Pass
					3.85	-7.911	-0.0112	-2.5 to 2.5	Pass
					4.43	-11.058	-0.0156	-2.5 to 2.5	Pass
				-30	3.85	-11.358	-0.0161	-2.5 to 2.5	Pass
				-20	3.85	-9.742	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-9.012	-0.0127	-2.5 to 2.5	Pass
				0	3.85	-7.567	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-7.753	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-5.236	-0.0074	-2.5 to 2.5	Pass
	715.3	6	0	40	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				20	3.27	-6.094	-0.0085	-2.5 to 2.5	Pass
					3.85	-11.258	-0.0157	-2.5 to 2.5	Pass
					4.43	-15.492	-0.0217	-2.5 to 2.5	Pass
				-30	3.85	-20.227	-0.0283	-2.5 to 2.5	Pass
				-20	3.85	-22.430	-0.0314	-2.5 to 2.5	Pass
				-10	3.85	-26.436	-0.0370	-2.5 to 2.5	Pass
				0	3.85	-25.778	-0.0360	-2.5 to 2.5	Pass
				10	3.85	-27.595	-0.0386	-2.5 to 2.5	Pass
				30	3.85	-28.939	-0.0405	-2.5 to 2.5	Pass
				40	3.85	-29.340	-0.0410	-2.5 to 2.5	Pass
				50	3.85	-32.015	-0.0448	-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	5.250	0.0075	-2.5 to 2.5	Pass
					3.85	14.720	0.0210	-2.5 to 2.5	Pass
					4.43	30.413	0.0434	-2.5 to 2.5	Pass
				-30	3.85	41.685	0.0595	-2.5 to 2.5	Pass

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Page 5 of 121

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				-20	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	10.386	0.0148	-2.5 to 2.5	Pass
				0	3.85	18.868	0.0269	-2.5 to 2.5	Pass
				10	3.85	24.662	0.0352	-2.5 to 2.5	Pass
				30	3.85	30.270	0.0432	-2.5 to 2.5	Pass
				40	3.85	34.304	0.0490	-2.5 to 2.5	Pass
				50	3.85	38.438	0.0549	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-3.018	-0.0043	-2.5 to 2.5	Pass
					3.85	0.730	0.0010	-2.5 to 2.5	Pass
					4.43	12.374	0.0175	-2.5 to 2.5	Pass
				-30	3.85	19.469	0.0275	-2.5 to 2.5	Pass
				-20	3.85	30.756	0.0435	-2.5 to 2.5	Pass
				-10	3.85	36.664	0.0518	-2.5 to 2.5	Pass
				0	3.85	41.642	0.0589	-2.5 to 2.5	Pass
				10	3.85	0.529	0.0007	-2.5 to 2.5	Pass
				30	3.85	6.051	0.0086	-2.5 to 2.5	Pass
				40	3.85	10.057	0.0142	-2.5 to 2.5	Pass
				50	3.85	12.960	0.0183	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-1.531	-0.0021	-2.5 to 2.5	Pass
					3.85	-8.698	-0.0122	-2.5 to 2.5	Pass
					4.43	-10.171	-0.0142	-2.5 to 2.5	Pass
				-30	3.85	-11.916	-0.0167	-2.5 to 2.5	Pass
				-20	3.85	-14.749	-0.0206	-2.5 to 2.5	Pass
				-10	3.85	-14.520	-0.0203	-2.5 to 2.5	Pass
				0	3.85	-17.395	-0.0243	-2.5 to 2.5	Pass
				10	3.85	-20.614	-0.0289	-2.5 to 2.5	Pass
				30	3.85	-21.372	-0.0299	-2.5 to 2.5	Pass
				40	3.85	-21.014	-0.0294	-2.5 to 2.5	Pass
				50	3.85	-21.601	-0.0302	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-1.416	-0.0020	-2.5 to 2.5	Pass
					3.85	-1.817	-0.0026	-2.5 to 2.5	Pass
					4.43	-2.789	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-4.005	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-3.991	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-6.609	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-3.576	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-1.817	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-1.144	-0.0016	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	17.595	0.0249	-2.5 to 2.5	Pass
					3.85	17.238	0.0244	-2.5 to 2.5	Pass
					4.43	15.292	0.0216	-2.5 to 2.5	Pass
				-30	3.85	11.559	0.0163	-2.5 to 2.5	Pass
				-20	3.85	13.275	0.0188	-2.5 to 2.5	Pass
				-10	3.85	11.330	0.0160	-2.5 to 2.5	Pass
				0	3.85	12.317	0.0174	-2.5 to 2.5	Pass
				10	3.85	13.375	0.0189	-2.5 to 2.5	Pass
				30	3.85	13.304	0.0188	-2.5 to 2.5	Pass
				40	3.85	14.462	0.0204	-2.5 to 2.5	Pass
				50	3.85	14.262	0.0202	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-21.300	-0.0298	-2.5 to 2.5	Pass
					3.85	-28.596	-0.0400	-2.5 to 2.5	Pass
					4.43	-32.401	-0.0453	-2.5 to 2.5	Pass
				-30	3.85	-38.223	-0.0535	-2.5 to 2.5	Pass
				-20	3.85	-42.830	-0.0599	-2.5 to 2.5	Pass
				-10	3.85	-43.902	-0.0614	-2.5 to 2.5	Pass
				0	3.85	2.604	0.0036	-2.5 to 2.5	Pass
				10	3.85	0.072	0.0001	-2.5 to 2.5	Pass

				30	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-3.877	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	1.087	0.0015	-2.5 to 2.5	Pass
					3.85	11.988	0.0171	-2.5 to 2.5	Pass
					4.43	28.882	0.0412	-2.5 to 2.5	Pass
				-30	3.85	42.400	0.0604	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				-10	3.85	10.443	0.0149	-2.5 to 2.5	Pass
				0	3.85	17.796	0.0254	-2.5 to 2.5	Pass
				10	3.85	23.532	0.0335	-2.5 to 2.5	Pass
				30	3.85	30.270	0.0432	-2.5 to 2.5	Pass
				40	3.85	35.377	0.0504	-2.5 to 2.5	Pass
				50	3.85	39.725	0.0566	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.587	-0.0008	-2.5 to 2.5	Pass
					3.85	6.137	0.0087	-2.5 to 2.5	Pass
					4.43	20.370	0.0288	-2.5 to 2.5	Pass
				-30	3.85	27.523	0.0389	-2.5 to 2.5	Pass
				-20	3.85	36.564	0.0517	-2.5 to 2.5	Pass
				-10	3.85	41.513	0.0587	-2.5 to 2.5	Pass
				0	3.85	45.161	0.0638	-2.5 to 2.5	Pass
				10	3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-4.005	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-2.332	-0.0033	-2.5 to 2.5	Pass
				50	3.85	2.961	0.0042	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.944	-0.0013	-2.5 to 2.5	Pass
					3.85	-14.234	-0.0199	-2.5 to 2.5	Pass
					4.43	-15.936	-0.0223	-2.5 to 2.5	Pass
				-30	3.85	-17.996	-0.0252	-2.5 to 2.5	Pass
				-20	3.85	-25.005	-0.0350	-2.5 to 2.5	Pass
				-10	3.85	-24.877	-0.0349	-2.5 to 2.5	Pass
				0	3.85	-25.821	-0.0362	-2.5 to 2.5	Pass
				10	3.85	-31.471	-0.0441	-2.5 to 2.5	Pass
				30	3.85	-37.122	-0.0520	-2.5 to 2.5	Pass
				40	3.85	-41.270	-0.0578	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-1.073	-0.0015	-2.5 to 2.5	Pass
					3.85	1.016	0.0014	-2.5 to 2.5	Pass
					4.43	3.619	0.0052	-2.5 to 2.5	Pass
				-30	3.85	2.332	0.0033	-2.5 to 2.5	Pass
				-20	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				0	3.85	0.672	0.0010	-2.5 to 2.5	Pass
				10	3.85	1.359	0.0019	-2.5 to 2.5	Pass
				30	3.85	1.702	0.0024	-2.5 to 2.5	Pass
				40	3.85	0.801	0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	4.191	0.0059	-2.5 to 2.5	Pass
					3.85	-1.945	-0.0027	-2.5 to 2.5	Pass
					4.43	-5.064	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-6.566	-0.0093	-2.5 to 2.5	Pass

				-10	3.85	-5.264	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-5.751	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.622	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-3.633	-0.0051	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-39.983	-0.0560	-2.5 to 2.5	Pass
					3.85	-42.629	-0.0597	-2.5 to 2.5	Pass
					4.43	-47.221	-0.0662	-2.5 to 2.5	Pass
				-30	3.85	1.116	0.0016	-2.5 to 2.5	Pass
				-20	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-3.390	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-2.761	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-2.189	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-3.448	-0.0048	-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	2.017	0.0029	-2.5 to 2.5	Pass
					3.85	21.372	0.0304	-2.5 to 2.5	Pass
					4.43	43.888	0.0623	-2.5 to 2.5	Pass
				-30	3.85	15.578	0.0221	-2.5 to 2.5	Pass
				-20	3.85	30.513	0.0433	-2.5 to 2.5	Pass
				-10	3.85	42.157	0.0599	-2.5 to 2.5	Pass
				0	3.85	1.731	0.0025	-2.5 to 2.5	Pass
				10	3.85	10.128	0.0144	-2.5 to 2.5	Pass
				30	3.85	18.911	0.0269	-2.5 to 2.5	Pass
				40	3.85	32.644	0.0464	-2.5 to 2.5	Pass
				50	3.85	12.231	0.0174	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-2.475	-0.0035	-2.5 to 2.5	Pass
					3.85	10.886	0.0154	-2.5 to 2.5	Pass
					4.43	42.114	0.0595	-2.5 to 2.5	Pass
				-30	3.85	21.458	0.0303	-2.5 to 2.5	Pass
				-20	3.85	5.093	0.0072	-2.5 to 2.5	Pass
				-10	3.85	9.599	0.0136	-2.5 to 2.5	Pass
				0	3.85	49.181	0.0695	-2.5 to 2.5	Pass
				10	3.85	-28.181	-0.0398	-2.5 to 2.5	Pass
				30	3.85	-30.341	-0.0429	-2.5 to 2.5	Pass
				40	3.85	-20.242	-0.0286	-2.5 to 2.5	Pass
				50	3.85	-8.597	-0.0122	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-16.022	-0.0225	-2.5 to 2.5	Pass
					3.85	-23.189	-0.0326	-2.5 to 2.5	Pass
					4.43	-29.497	-0.0415	-2.5 to 2.5	Pass
				-30	3.85	-31.543	-0.0444	-2.5 to 2.5	Pass
				-20	3.85	-31.872	-0.0448	-2.5 to 2.5	Pass
				-10	3.85	-30.212	-0.0425	-2.5 to 2.5	Pass
				0	3.85	-34.604	-0.0487	-2.5 to 2.5	Pass
				10	3.85	-34.676	-0.0488	-2.5 to 2.5	Pass
				30	3.85	-36.950	-0.0520	-2.5 to 2.5	Pass
				40	3.85	-42.057	-0.0592	-2.5 to 2.5	Pass
				50	3.85	-46.034	-0.0647	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	10.672	0.0152	-2.5 to 2.5	Pass
					3.85	3.462	0.0049	-2.5 to 2.5	Pass

					4.43	-4.950	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-12.131	-0.0172	-2.5 to 2.5	Pass
				-20	3.85	-14.277	-0.0203	-2.5 to 2.5	Pass
				-10	3.85	-22.659	-0.0322	-2.5 to 2.5	Pass
				0	3.85	-23.303	-0.0331	-2.5 to 2.5	Pass
				10	3.85	-25.206	-0.0358	-2.5 to 2.5	Pass
				30	3.85	-12.989	-0.0185	-2.5 to 2.5	Pass
				40	3.85	17.653	0.0251	-2.5 to 2.5	Pass
				50	3.85	21.944	0.0312	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-43.173	-0.0610	-2.5 to 2.5	Pass
					3.85	-11.888	-0.0168	-2.5 to 2.5	Pass
					4.43	-5.879	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-39.954	-0.0565	-2.5 to 2.5	Pass
				-20	3.85	-24.290	-0.0343	-2.5 to 2.5	Pass
				-10	3.85	-44.460	-0.0628	-2.5 to 2.5	Pass
				0	3.85	-11.086	-0.0157	-2.5 to 2.5	Pass
				10	3.85	-27.566	-0.0390	-2.5 to 2.5	Pass
				30	3.85	-39.210	-0.0554	-2.5 to 2.5	Pass
				40	3.85	-3.819	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-12.431	-0.0176	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-43.702	-0.0615	-2.5 to 2.5	Pass
					3.85	0.658	0.0009	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-13.804	-0.0194	-2.5 to 2.5	Pass
				-20	3.85	-19.541	-0.0275	-2.5 to 2.5	Pass
				-10	3.85	-23.332	-0.0328	-2.5 to 2.5	Pass
				0	3.85	-25.735	-0.0362	-2.5 to 2.5	Pass
				10	3.85	-28.782	-0.0405	-2.5 to 2.5	Pass
				30	3.85	-31.414	-0.0442	-2.5 to 2.5	Pass
				40	3.85	-33.088	-0.0465	-2.5 to 2.5	Pass
				50	3.85	-38.595	-0.0543	-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

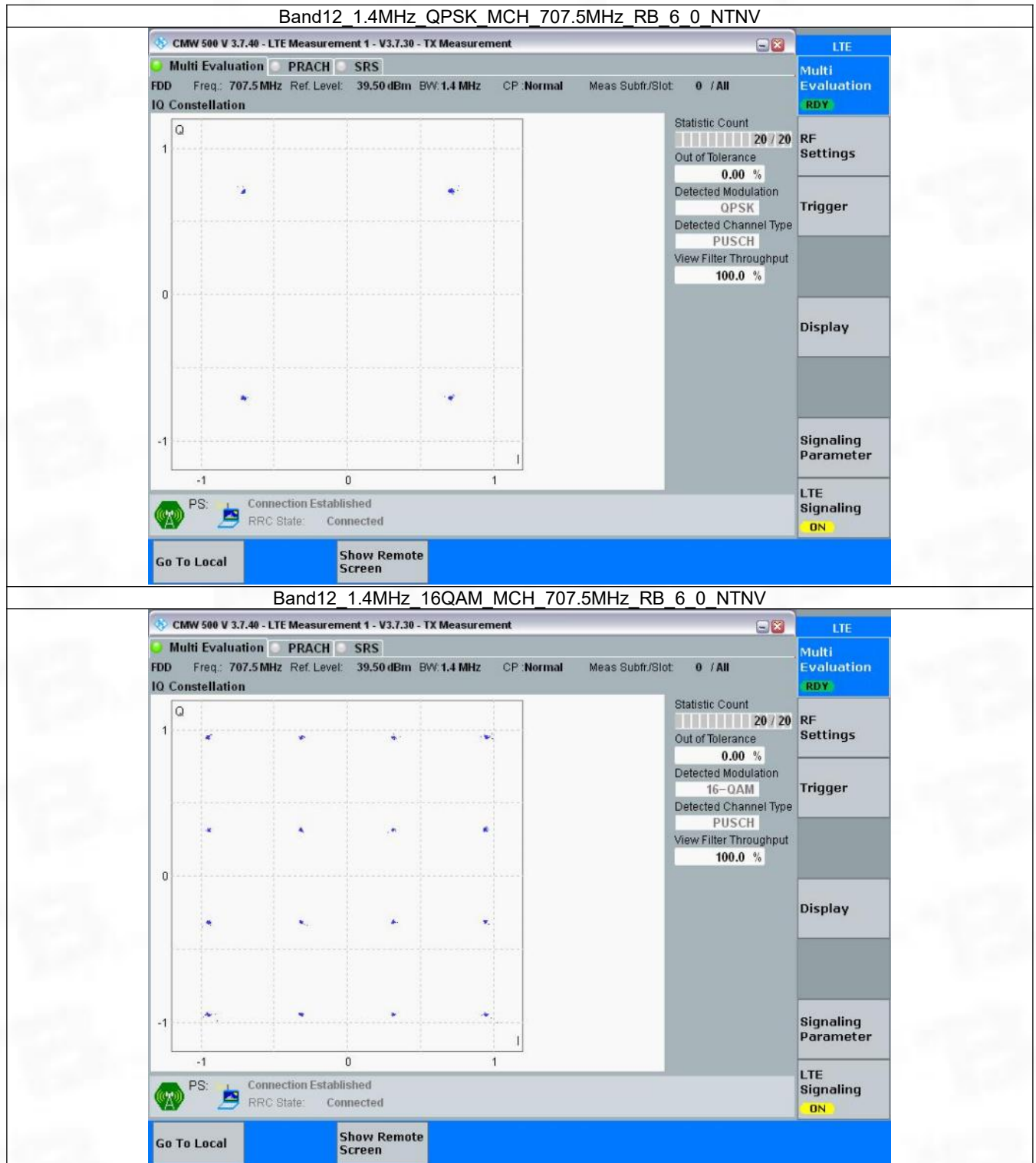
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

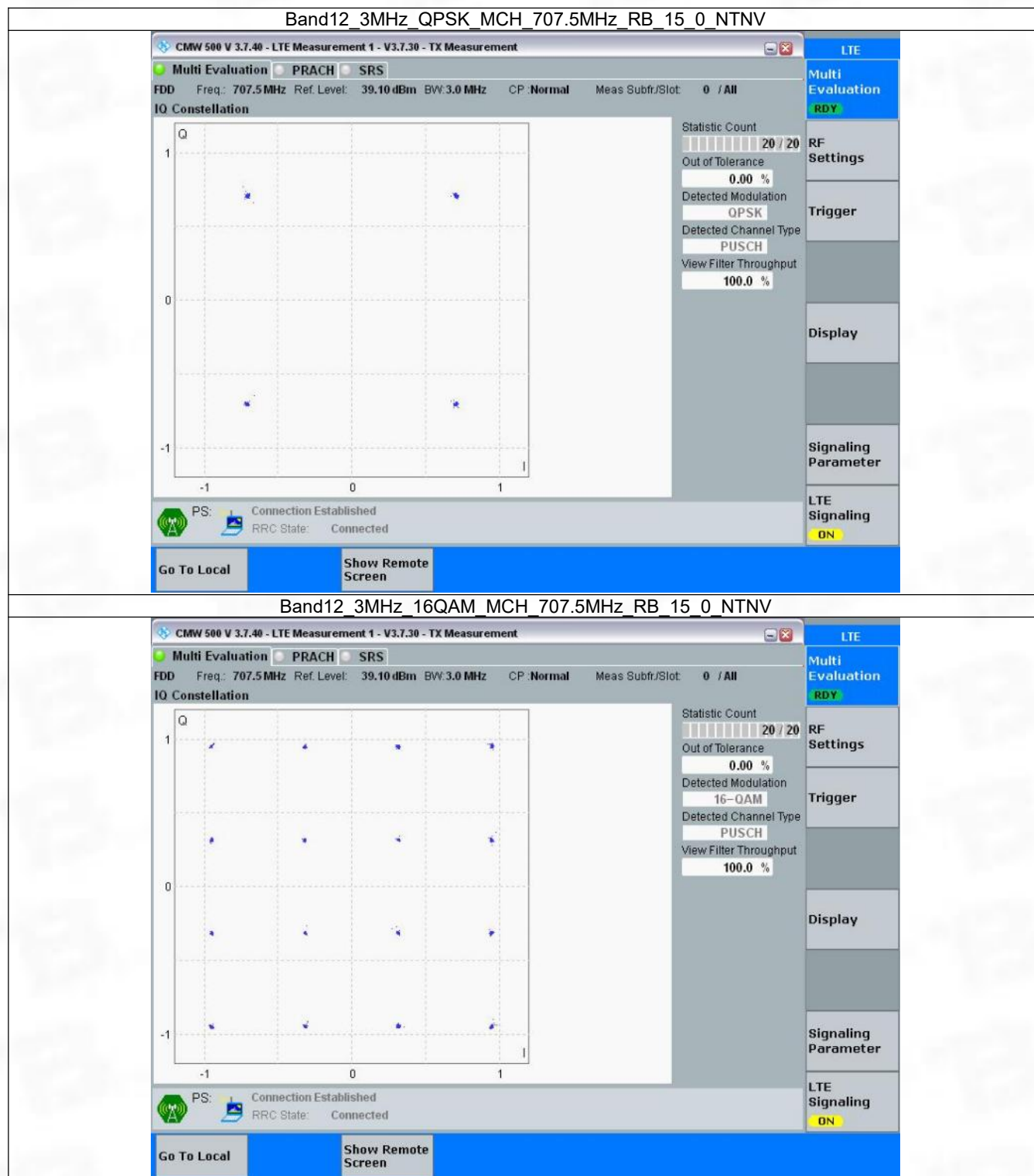
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

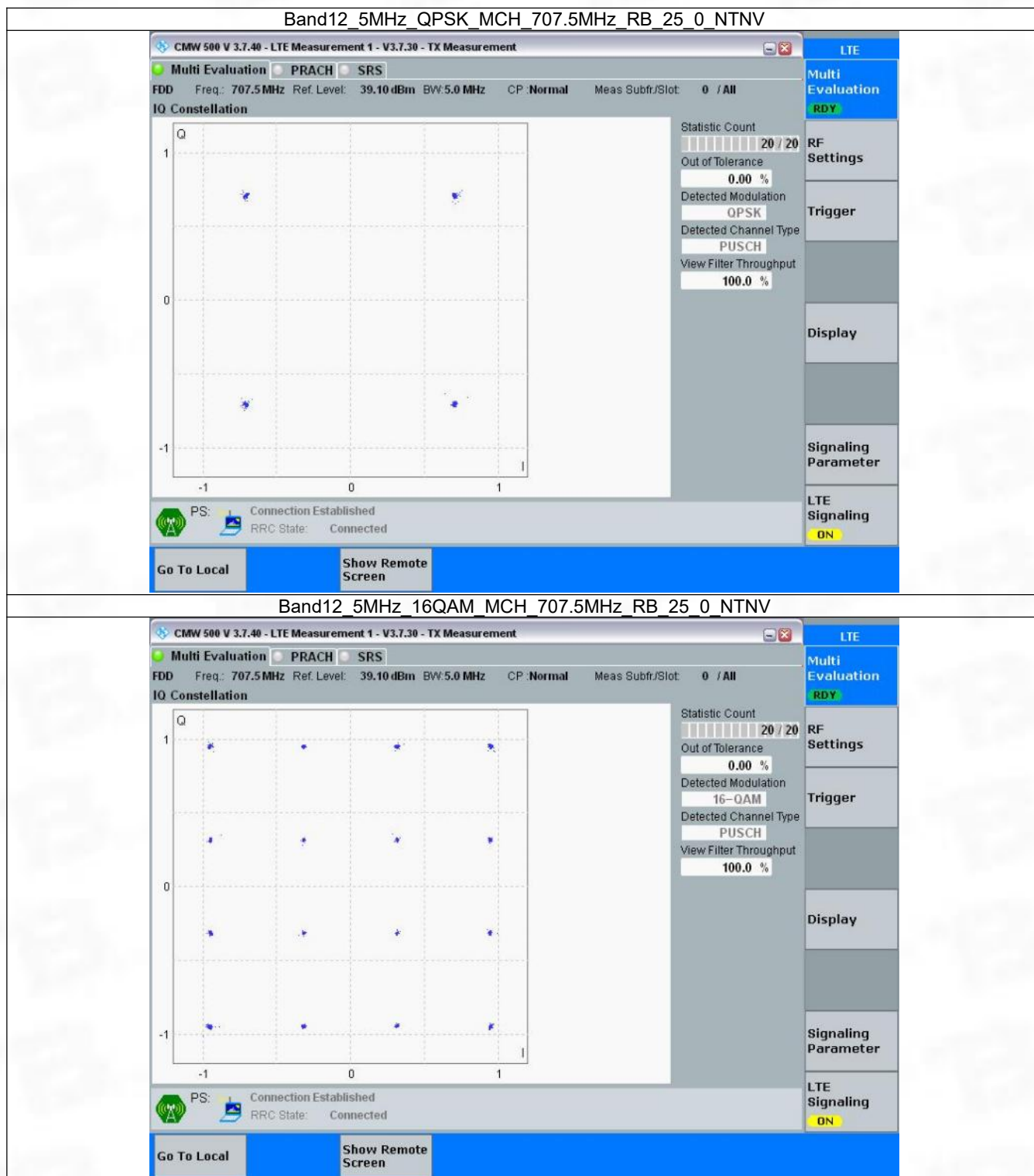
3.2.1 B12_1.4MHz



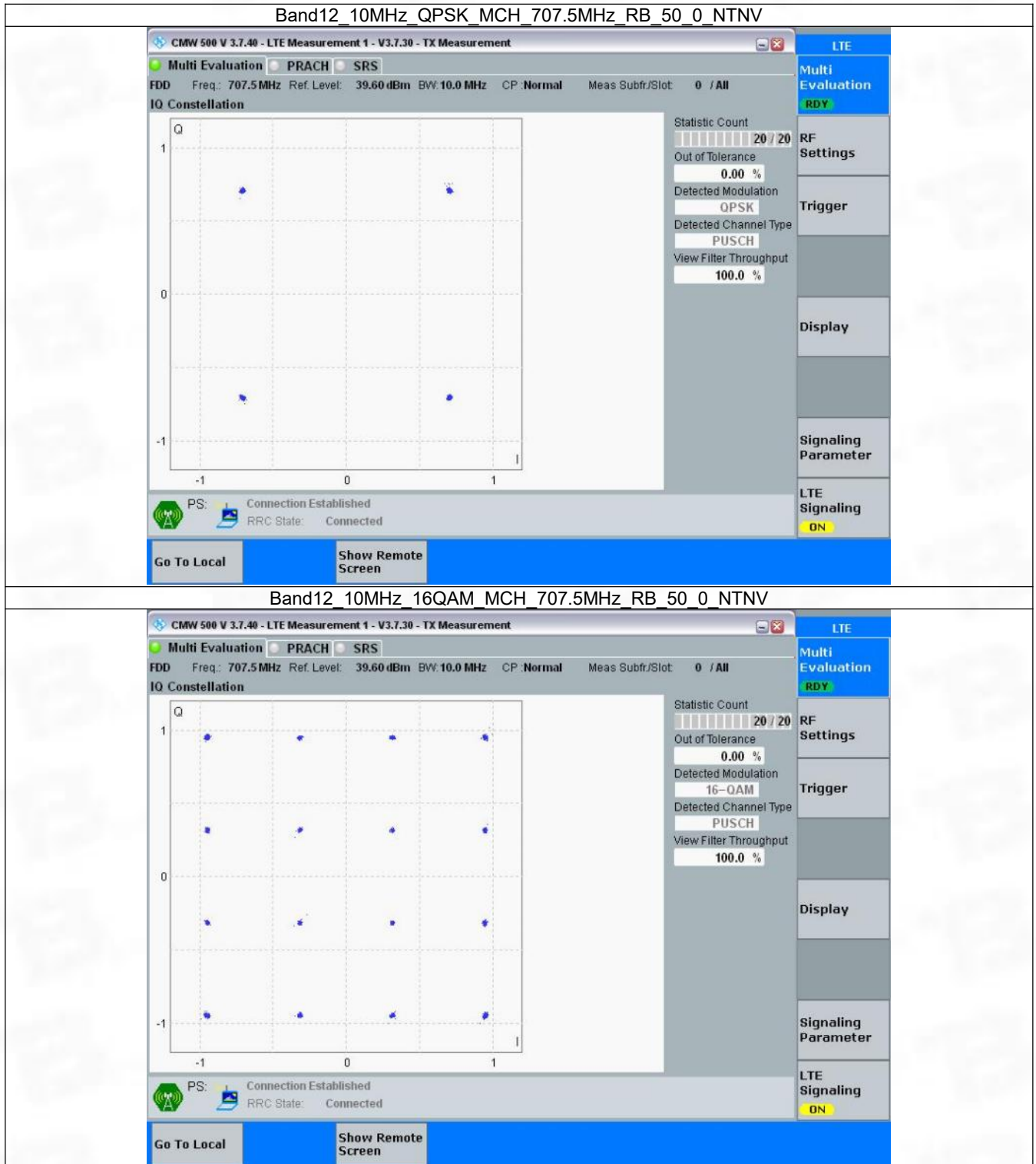
3.2.2 B12_3MHz



3.2.3 B12_5MHz



3.2.4 B12_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.115	/	Pass
		707.5	6	0	1.102	/	Pass
		715.3	6	0	1.112	/	Pass
	16QAM	699.7	6	0	1.117	/	Pass
		707.5	6	0	1.106	/	Pass
		715.3	6	0	1.117	/	Pass
3	QPSK	700.5	15	0	2.750	/	Pass
		707.5	15	0	2.762	/	Pass
		714.5	15	0	2.773	/	Pass
	16QAM	700.5	15	0	2.762	/	Pass
		707.5	15	0	2.761	/	Pass
		714.5	15	0	2.771	/	Pass
5	QPSK	701.5	25	0	4.547	/	Pass
		707.5	25	0	4.558	/	Pass
		713.5	25	0	4.551	/	Pass
	16QAM	701.5	25	0	4.558	/	Pass
		707.5	25	0	4.575	/	Pass
		713.5	25	0	4.542	/	Pass
10	QPSK	704	50	0	9.067	/	Pass
		707.5	50	0	9.105	/	Pass
		711	50	0	9.046	/	Pass
	16QAM	704	50	0	9.069	/	Pass
		707.5	50	0	9.081	/	Pass
		711	50	0	9.008	/	Pass

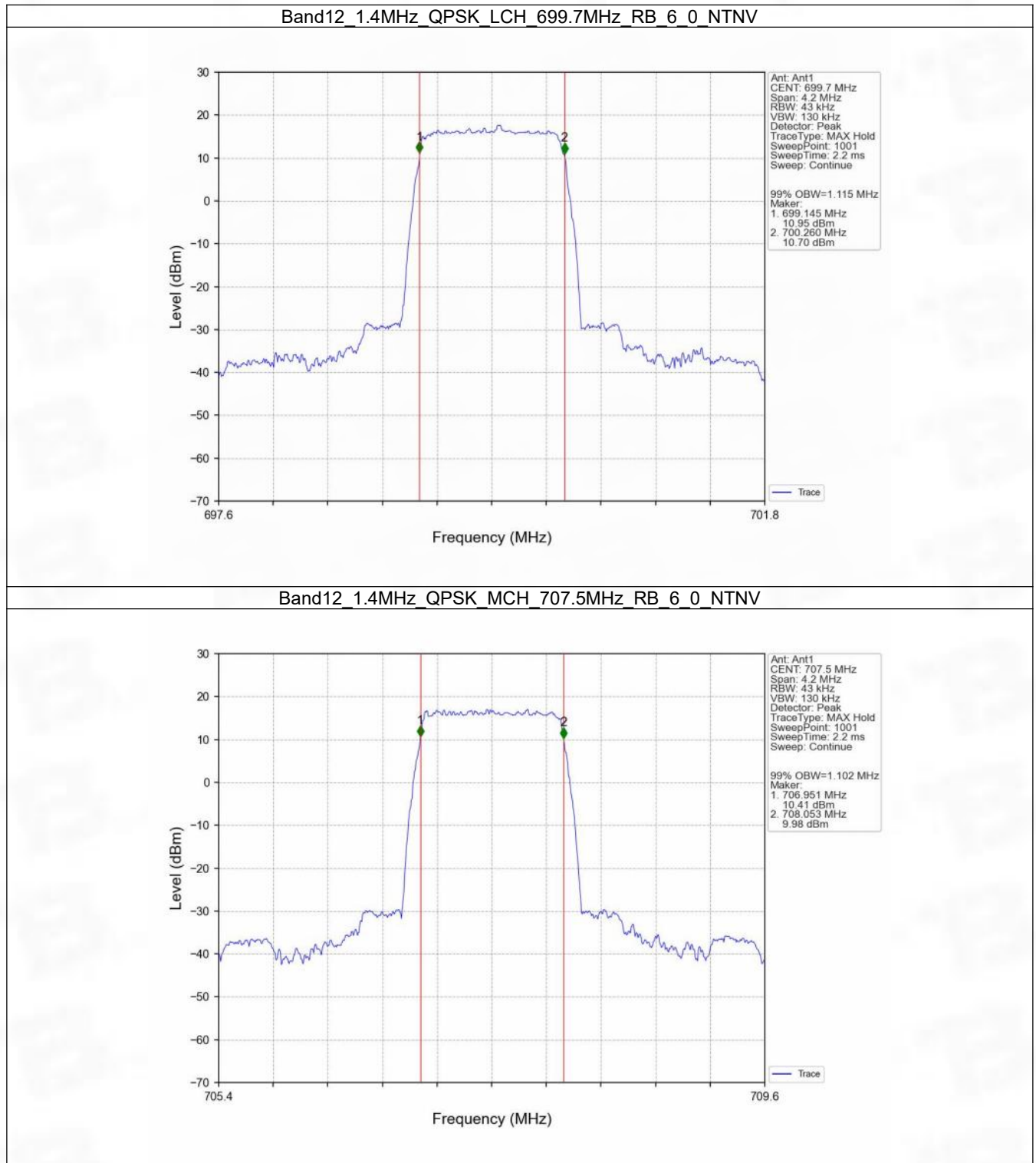
4.1.2 Band12_XDB

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	1.276	/	Pass
		707.5	6	0	1.278	/	Pass
		715.3	6	0	1.276	/	Pass
	16QAM	699.7	6	0	1.281	/	Pass
		707.5	6	0	1.268	/	Pass
		715.3	6	0	1.276	/	Pass
3	QPSK	700.5	15	0	3.102	/	Pass
		707.5	15	0	3.114	/	Pass
		714.5	15	0	3.115	/	Pass
	16QAM	700.5	15	0	3.107	/	Pass
		707.5	15	0	3.111	/	Pass
		714.5	15	0	3.114	/	Pass
5	QPSK	701.5	25	0	5.036	/	Pass
		707.5	25	0	5.087	/	Pass
		713.5	25	0	5.029	/	Pass

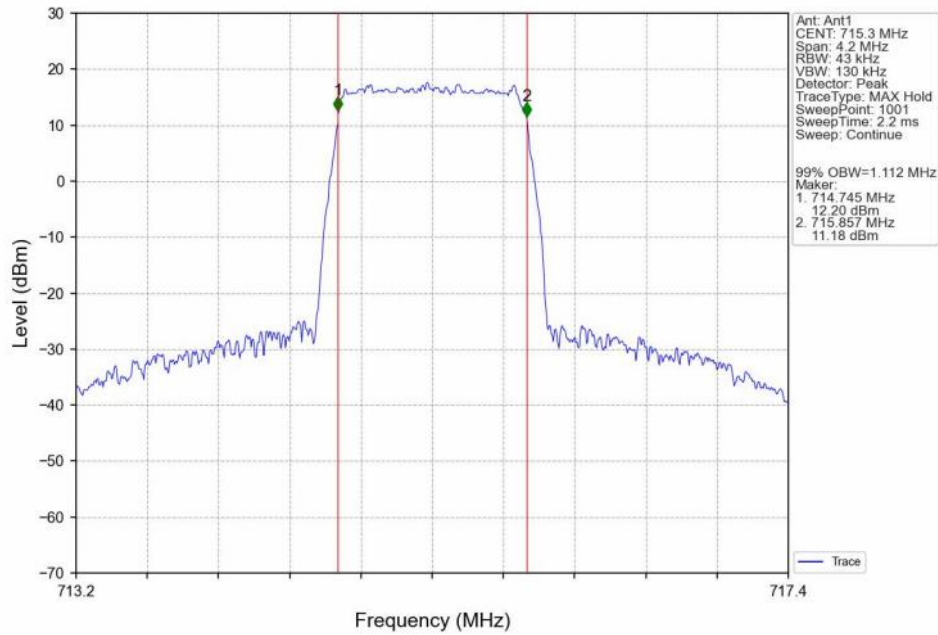
10	16QAM	701.5	25	0	5.076	/	Pass
		707.5	25	0	5.077	/	Pass
		713.5	25	0	5.032	/	Pass
	QPSK	704	50	0	10.059	/	Pass
		707.5	50	0	10.037	/	Pass
		711	50	0	10.030	/	Pass
	16QAM	704	50	0	9.999	/	Pass
		707.5	50	0	10.072	/	Pass
		711	50	0	10.015	/	Pass

4.2 Test Graph

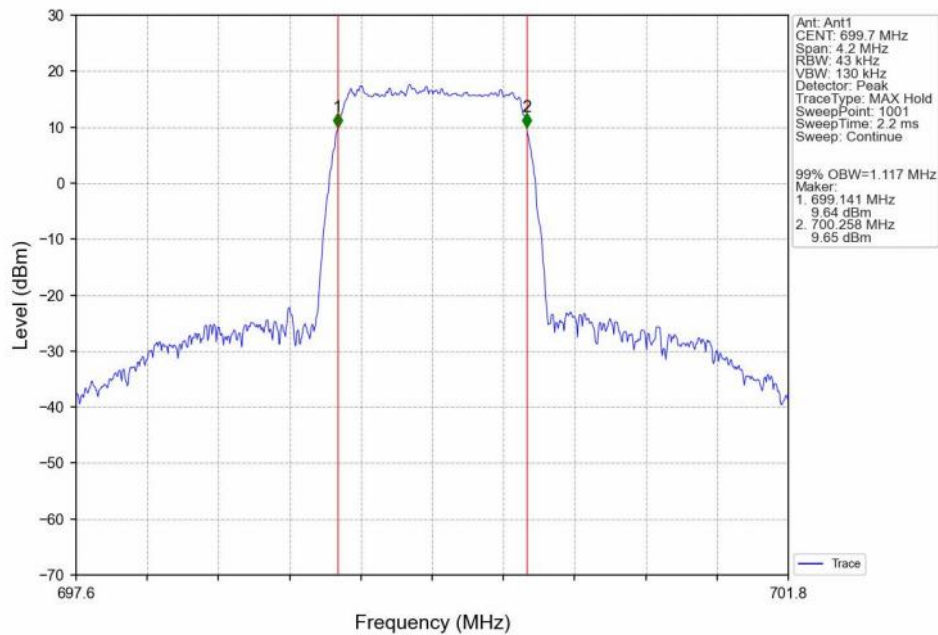
4.2.1 Band12_OBW



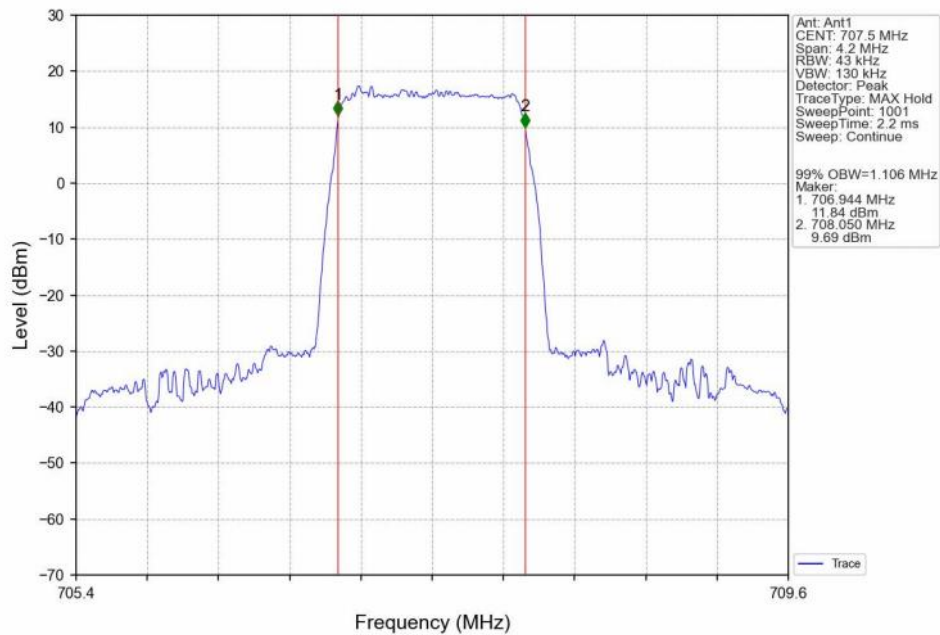
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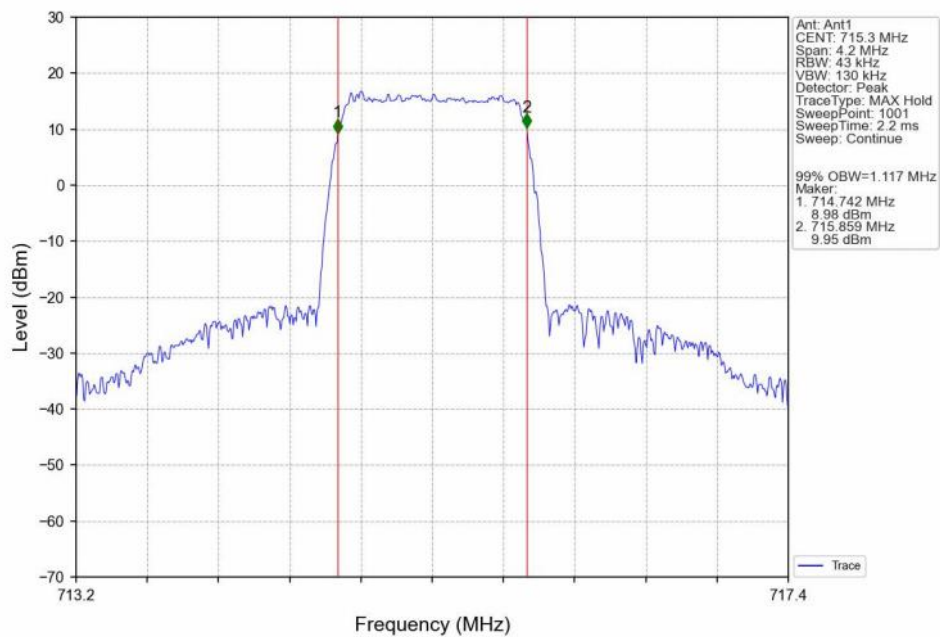
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



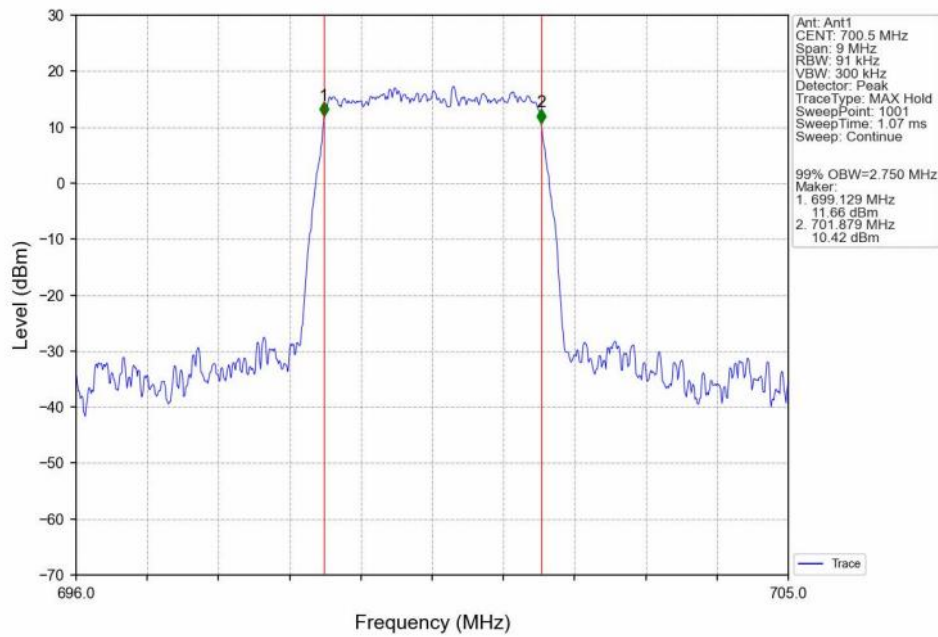
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



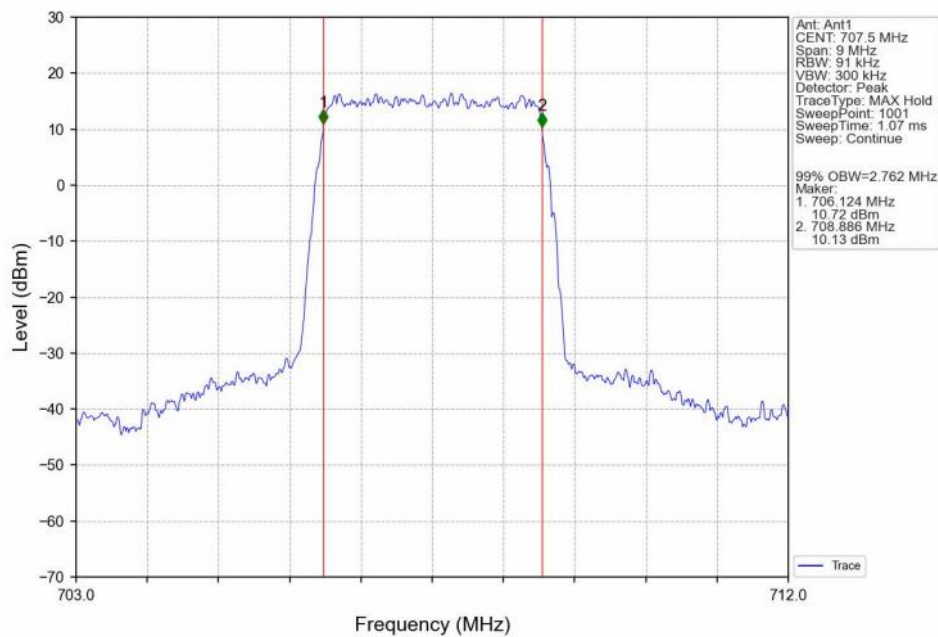
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



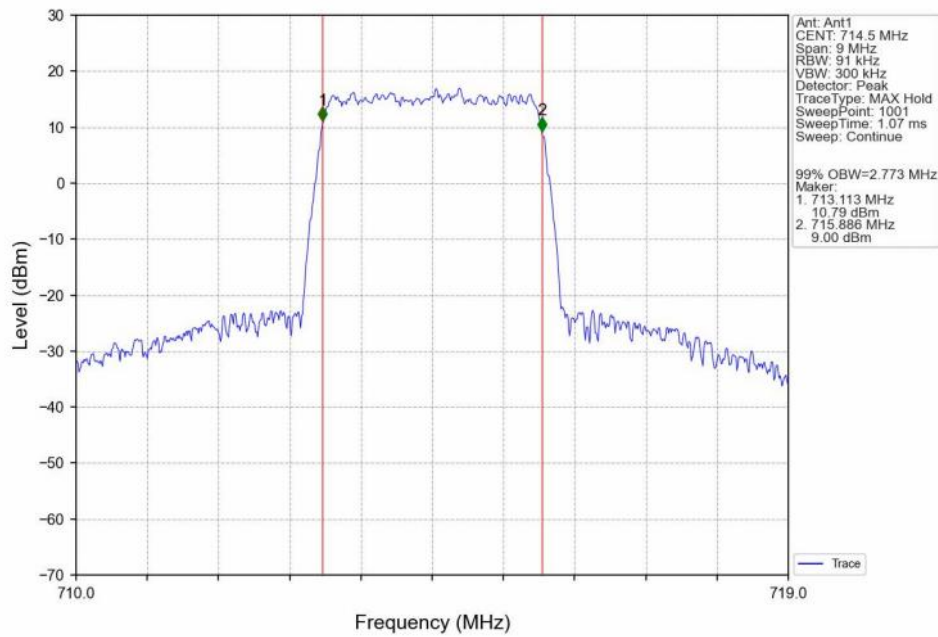
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



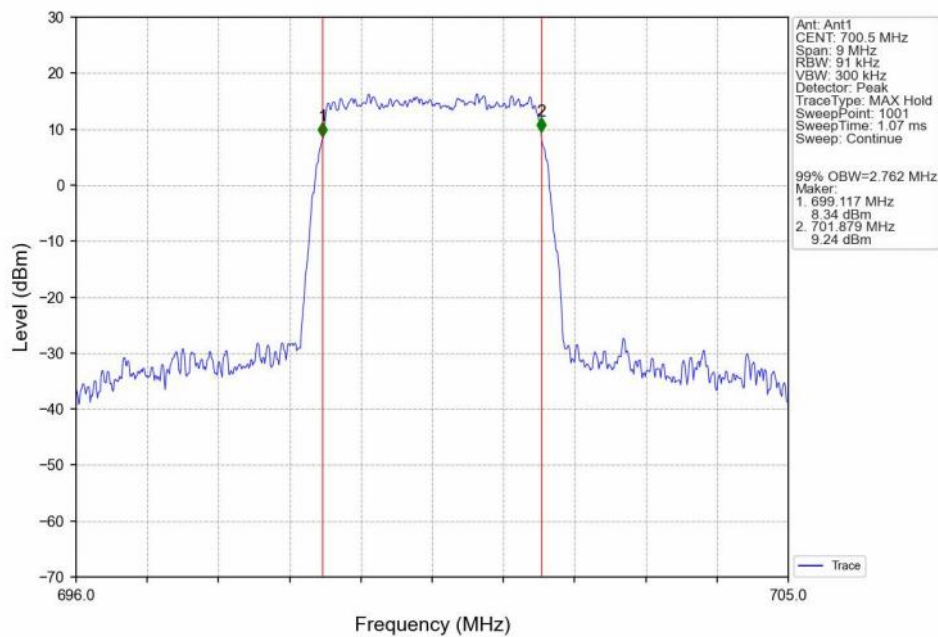
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



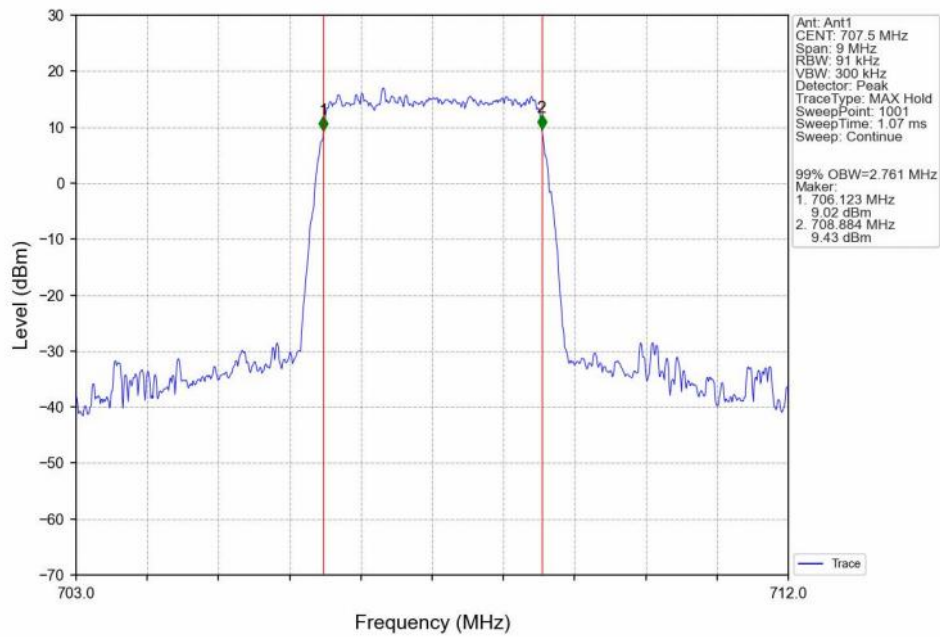
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



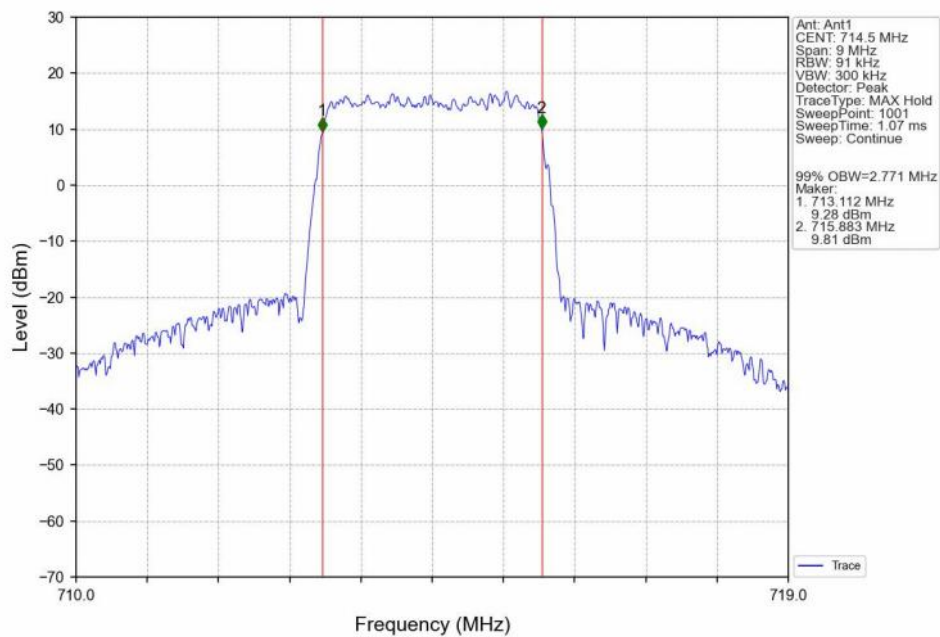
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



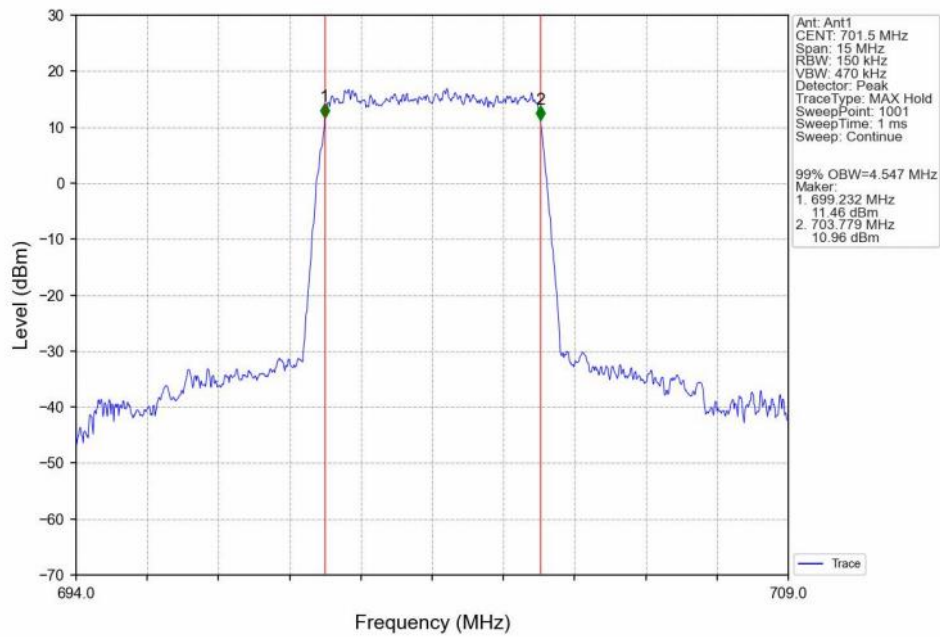
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



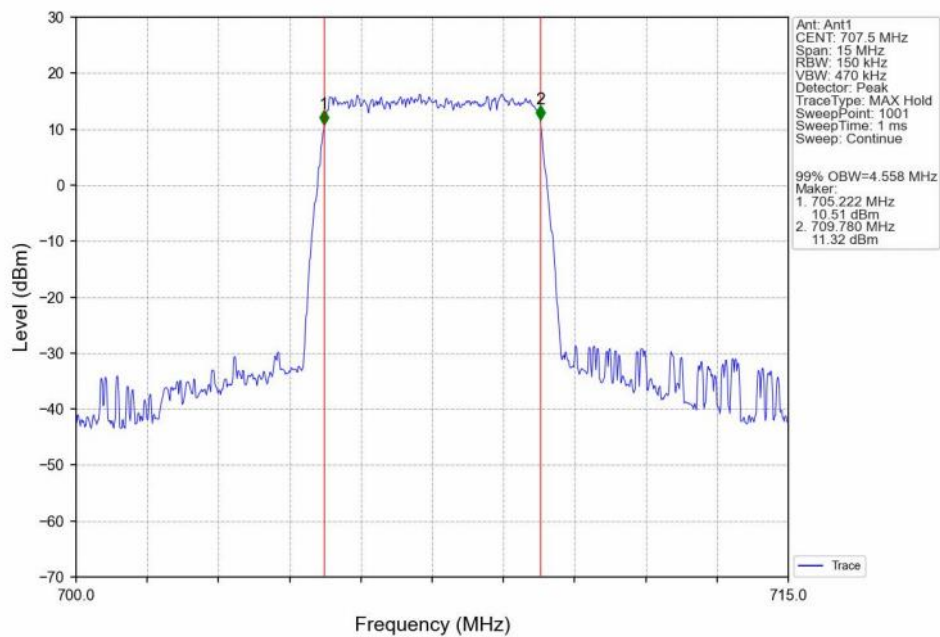
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



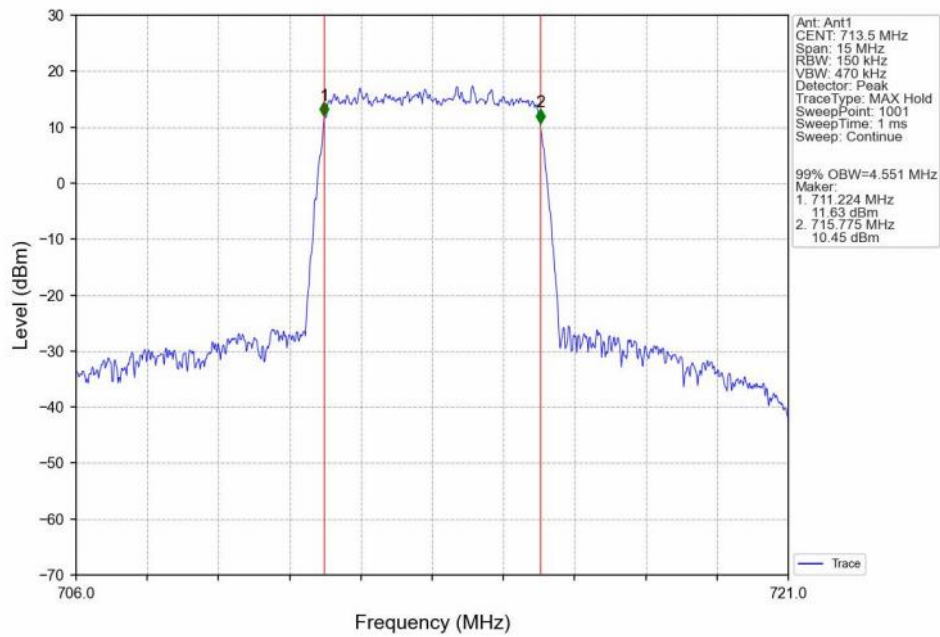
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



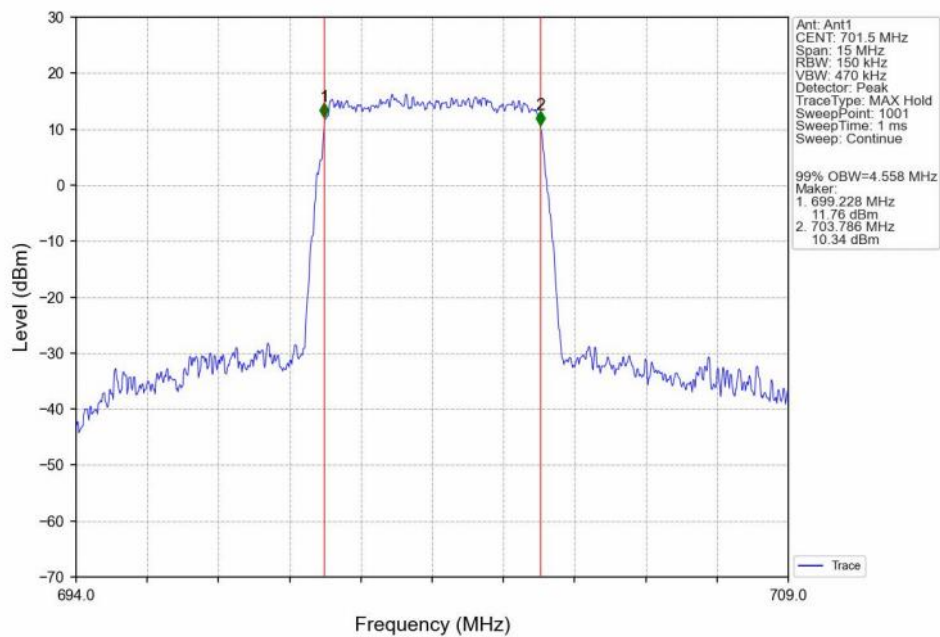
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



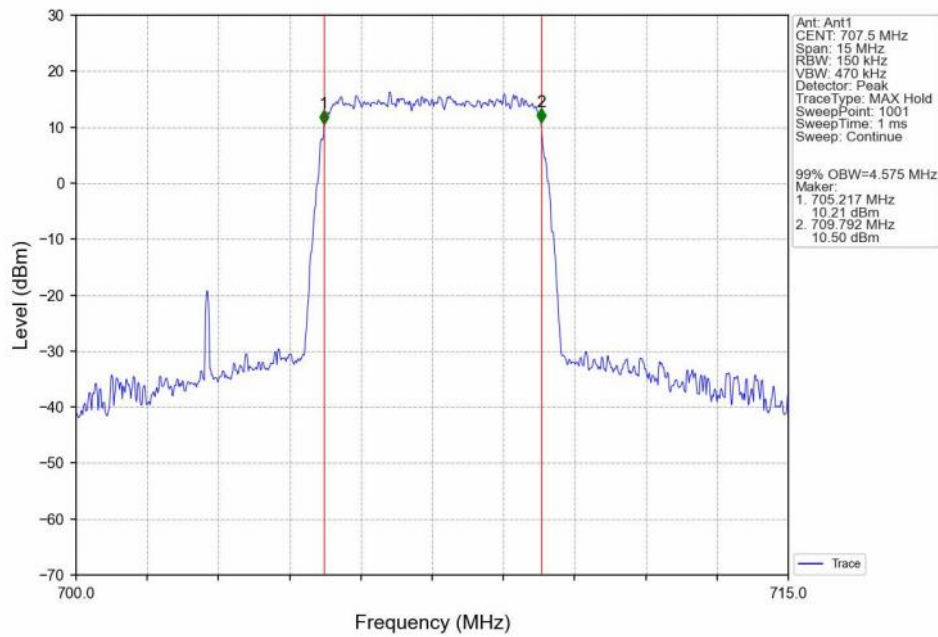
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



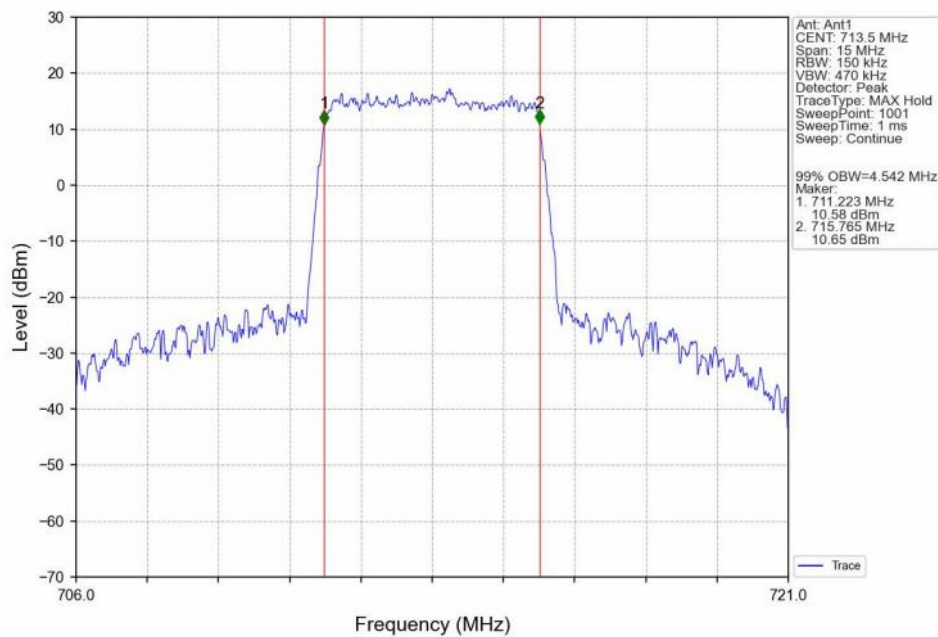
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



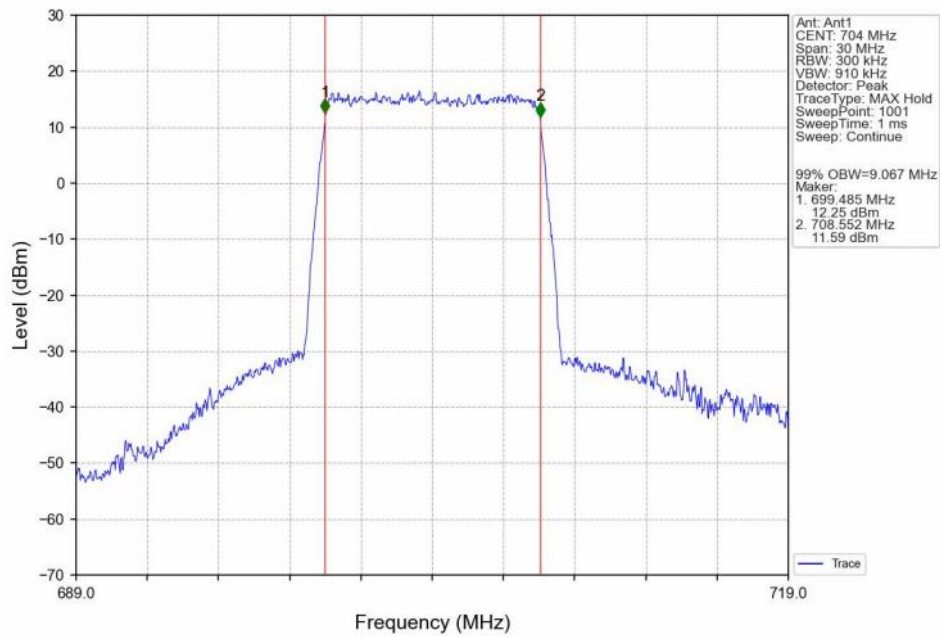
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



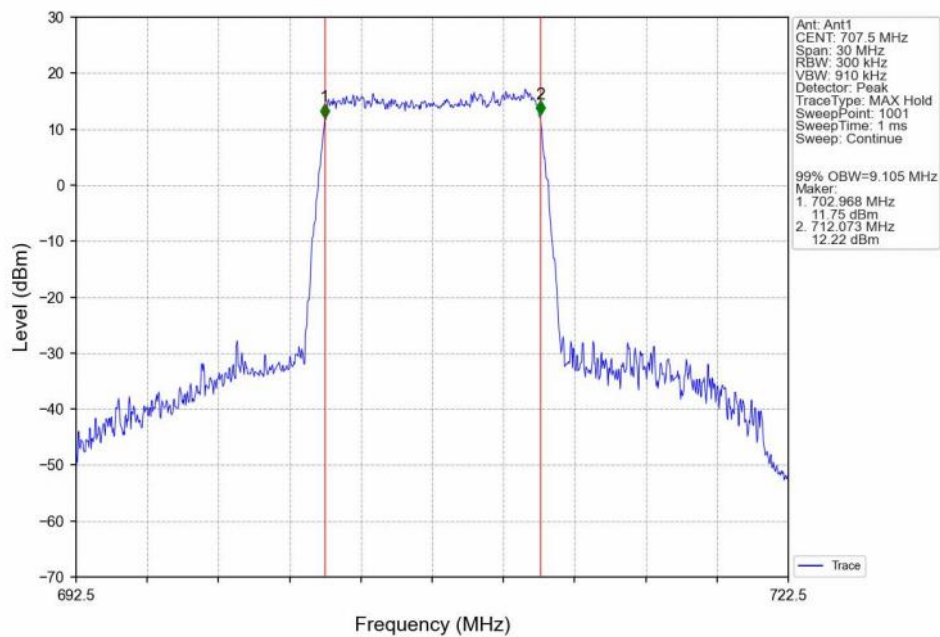
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



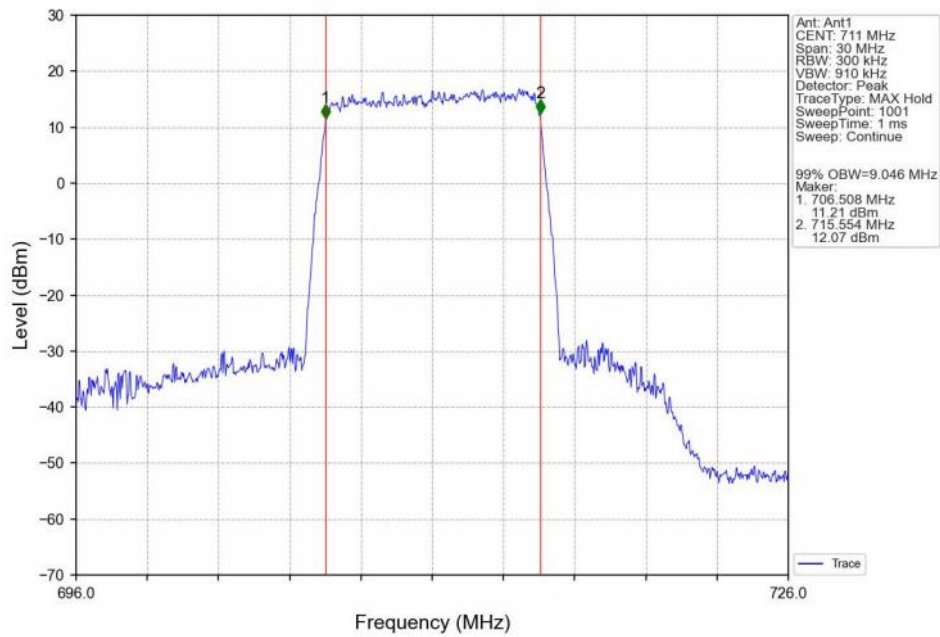
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



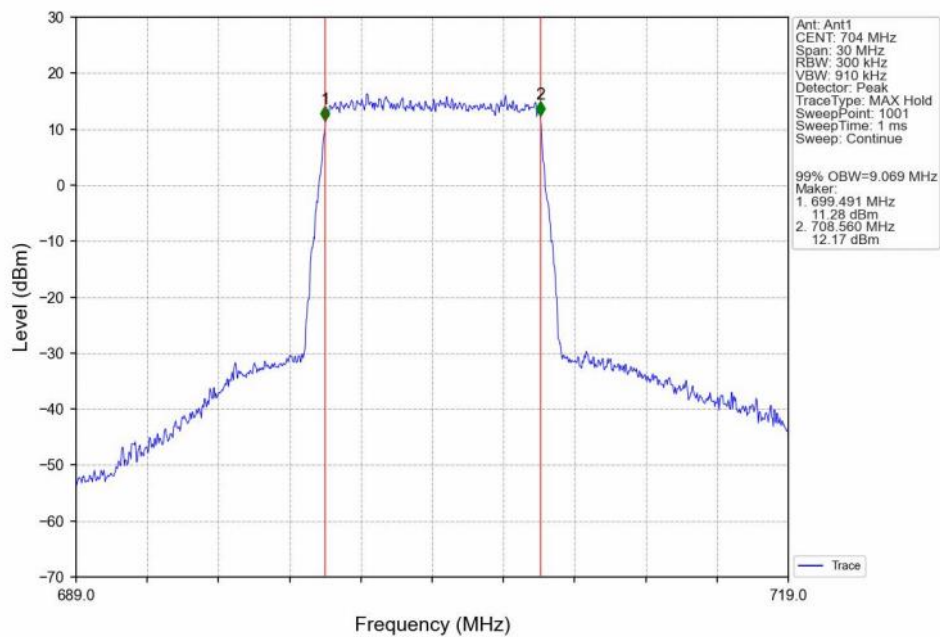
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



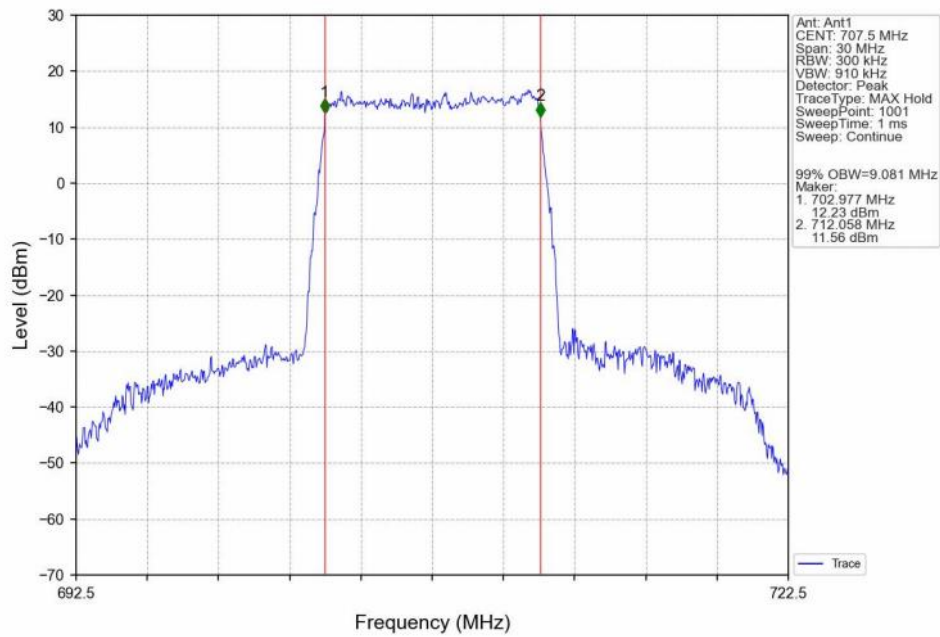
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



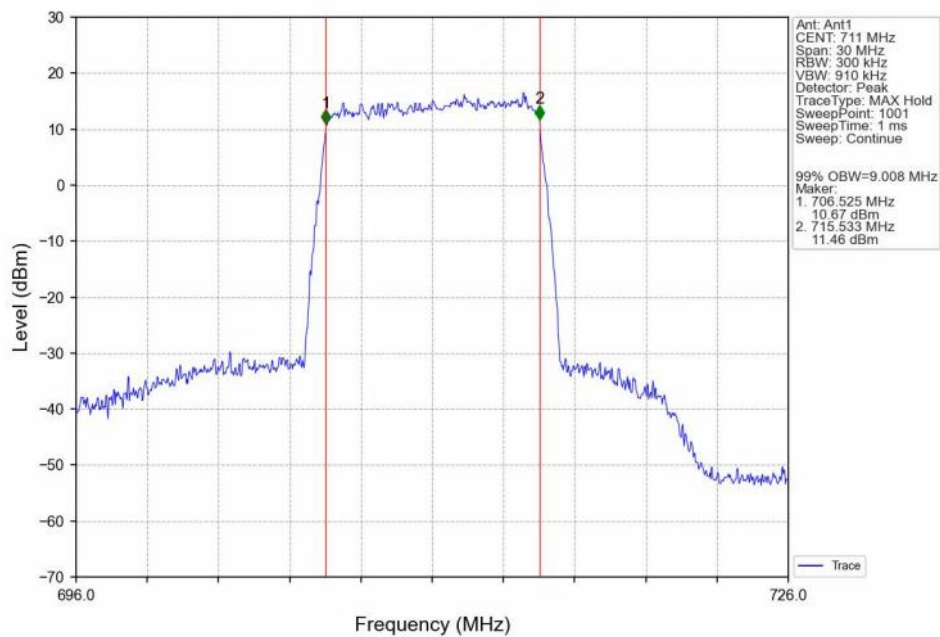
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



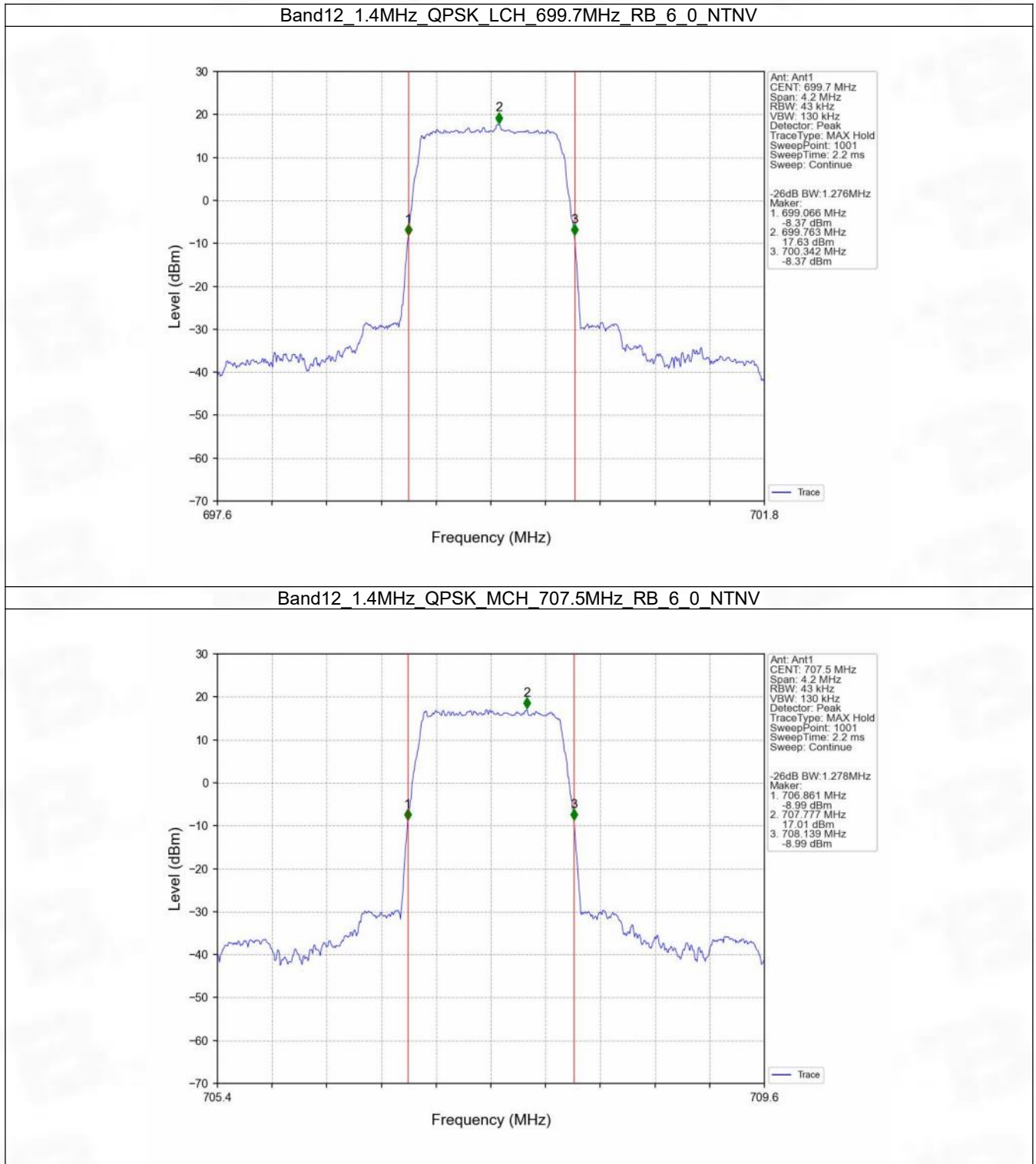
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



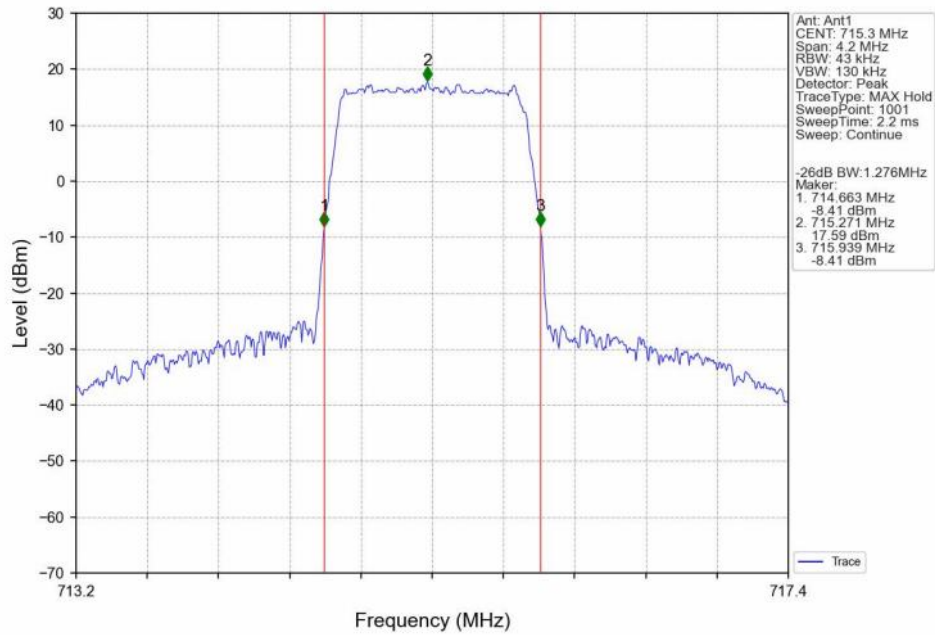
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



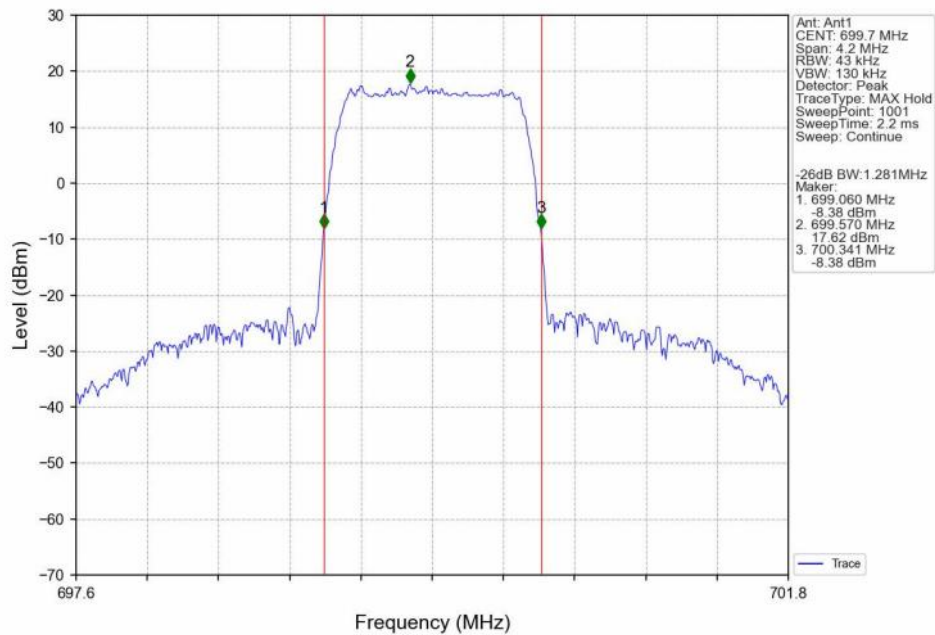
4.2.2 Band12_XDB



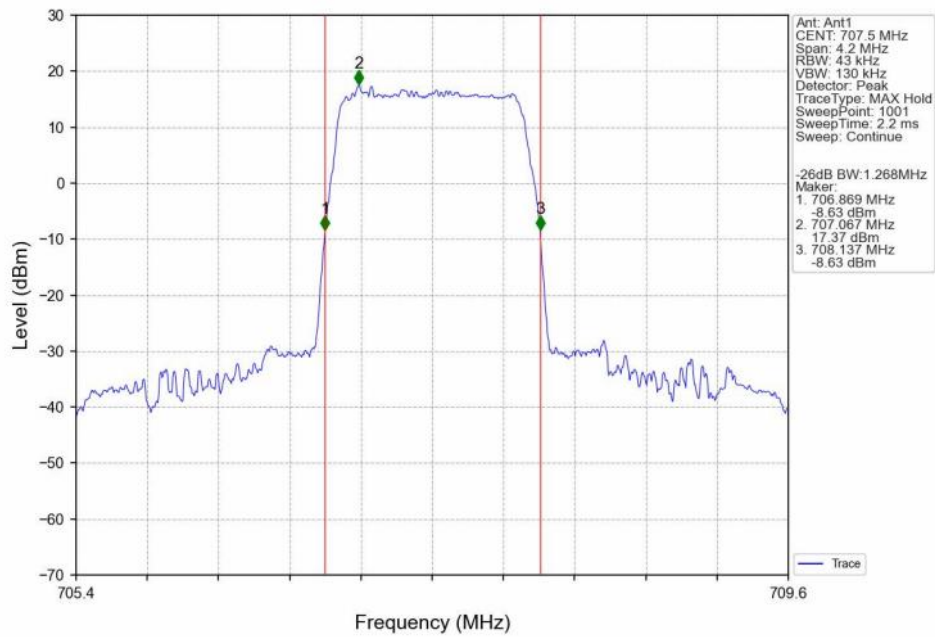
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



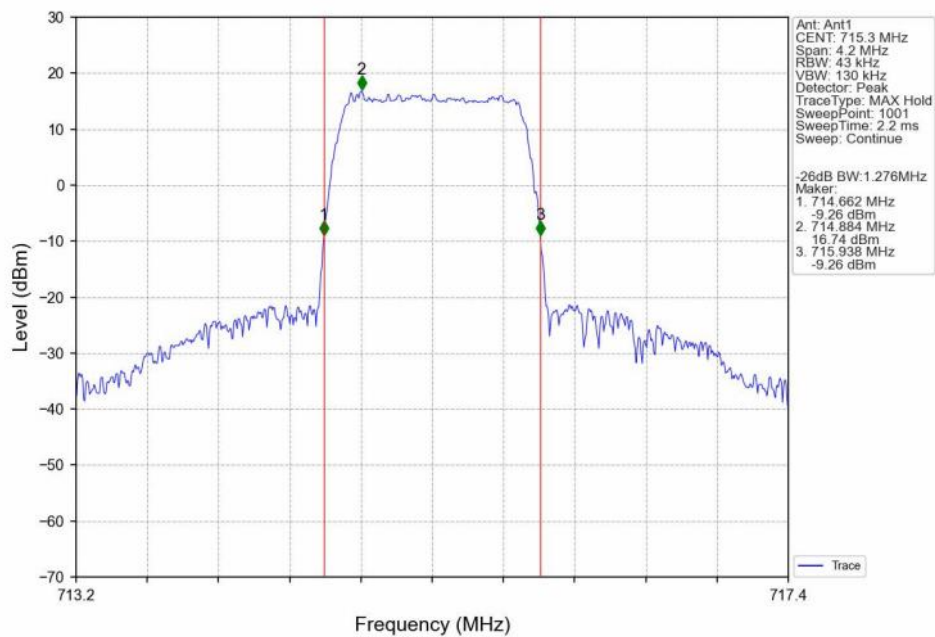
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



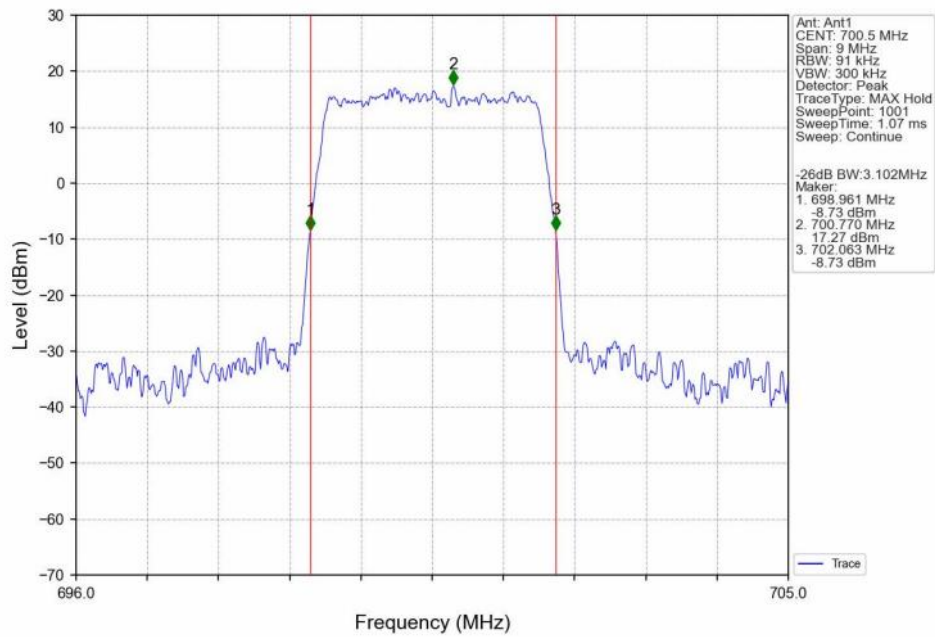
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



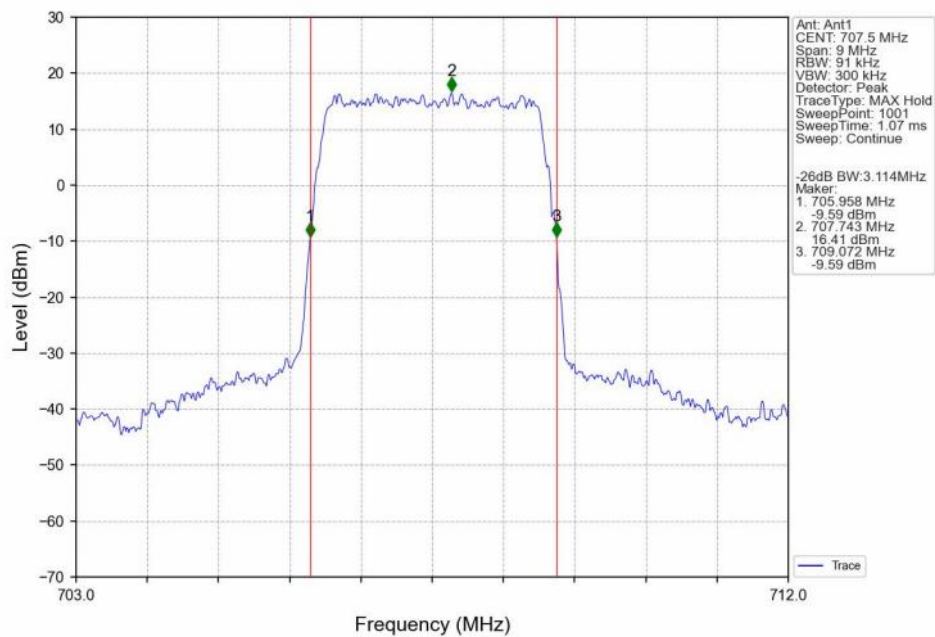
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



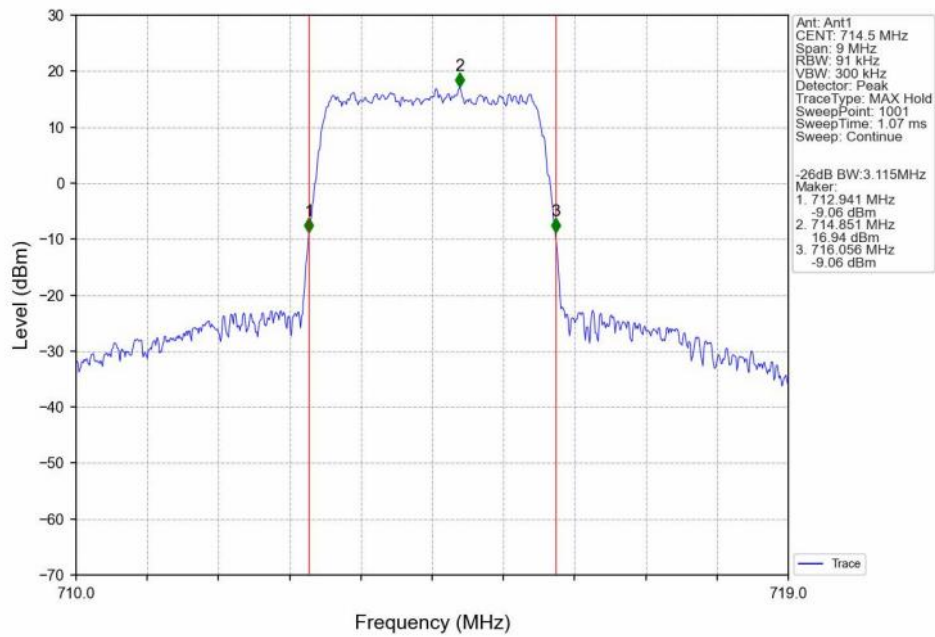
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



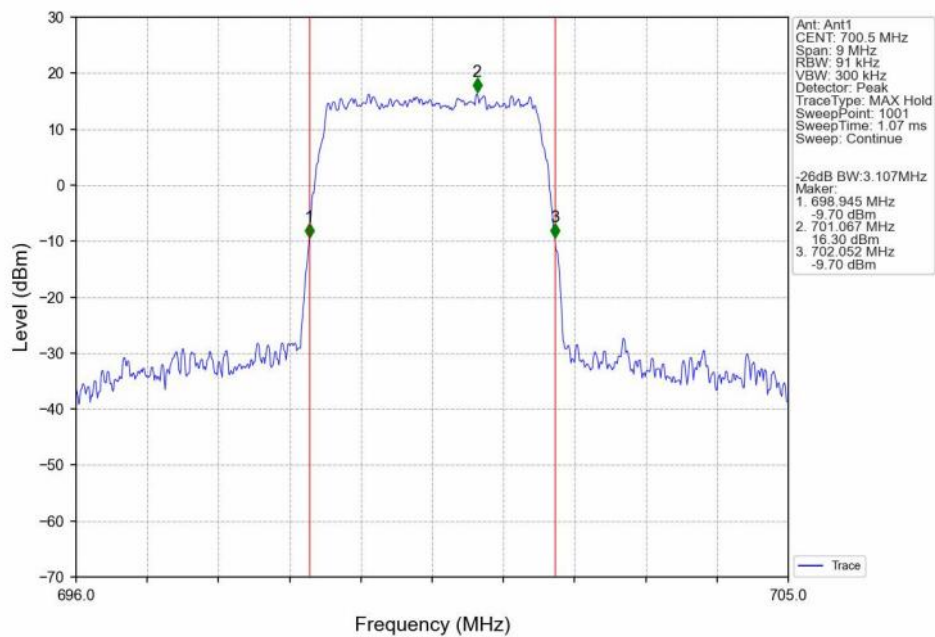
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



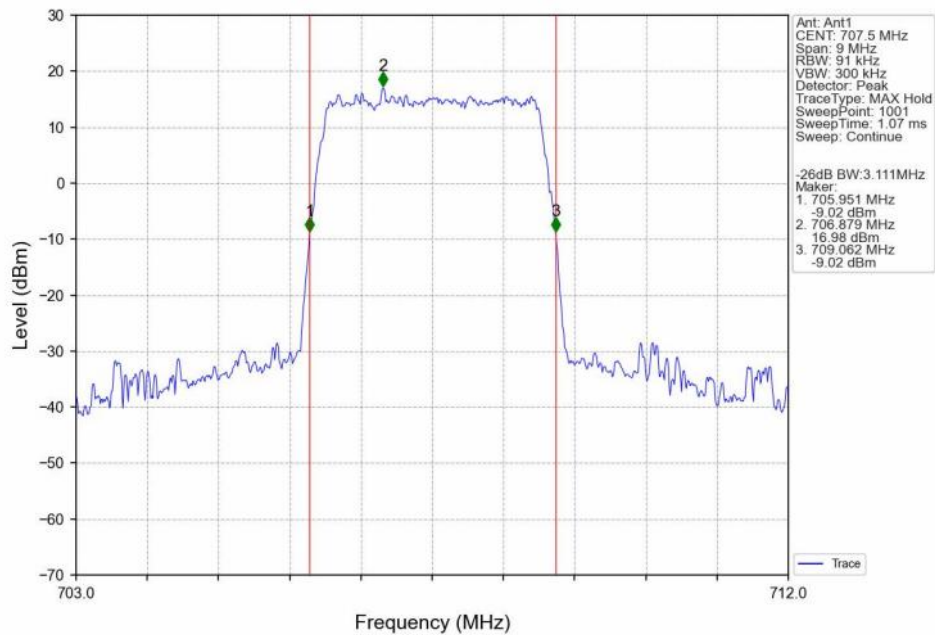
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



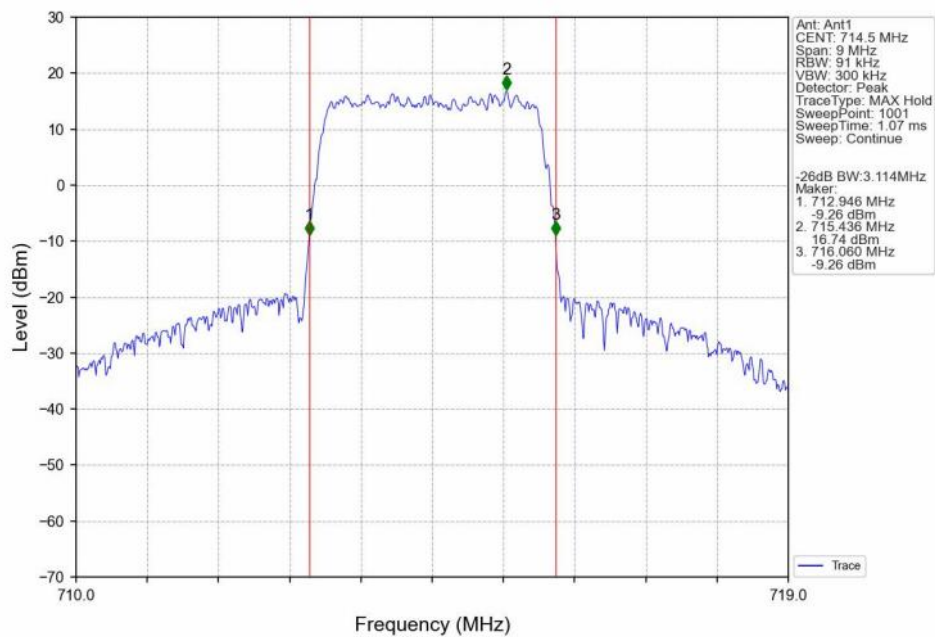
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



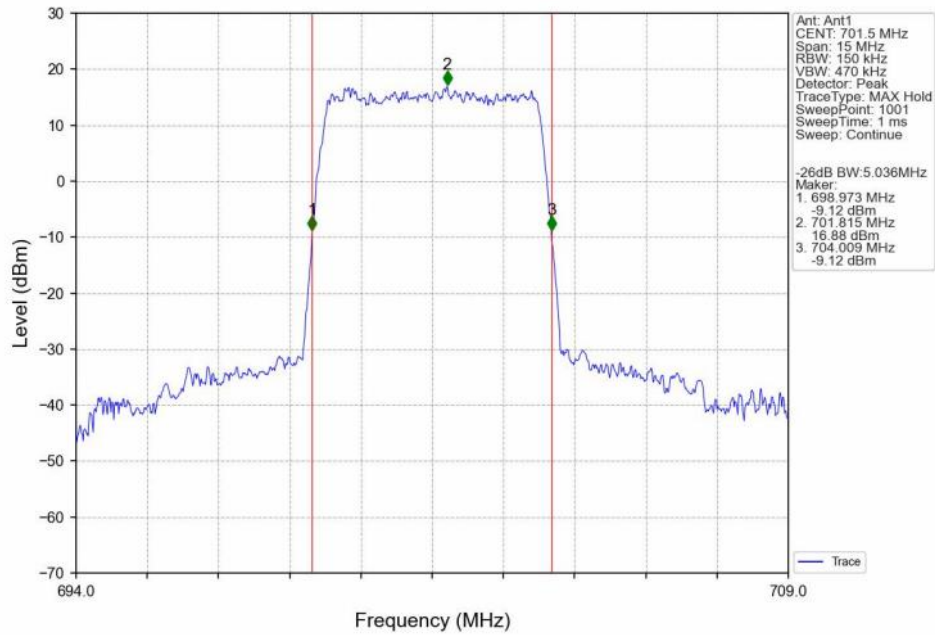
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



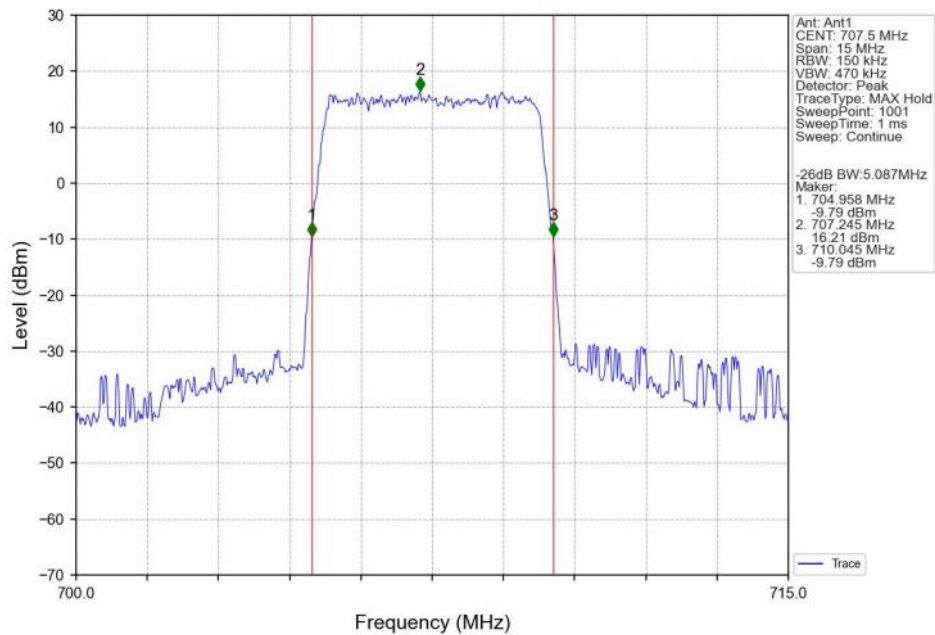
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



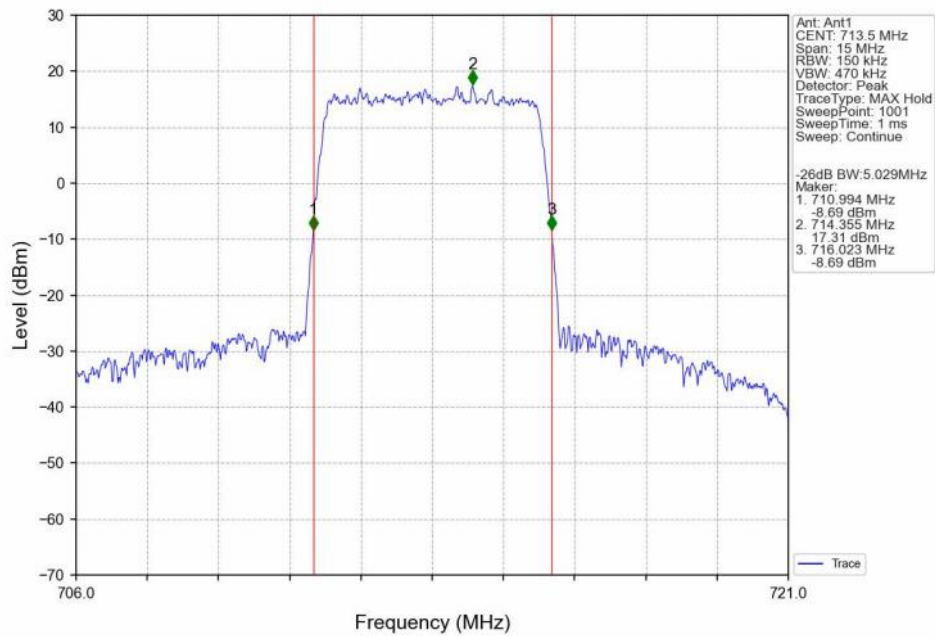
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



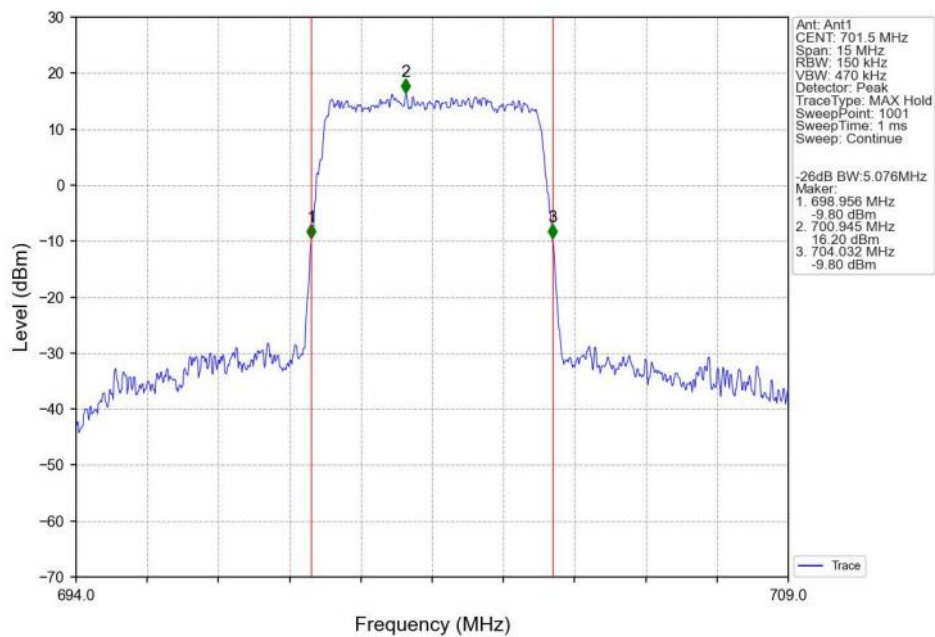
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



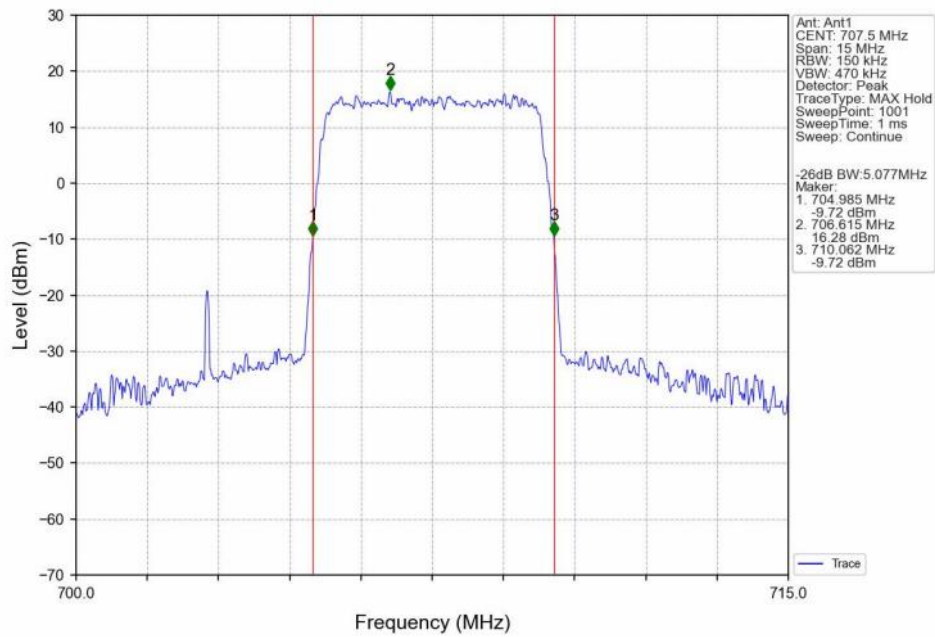
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



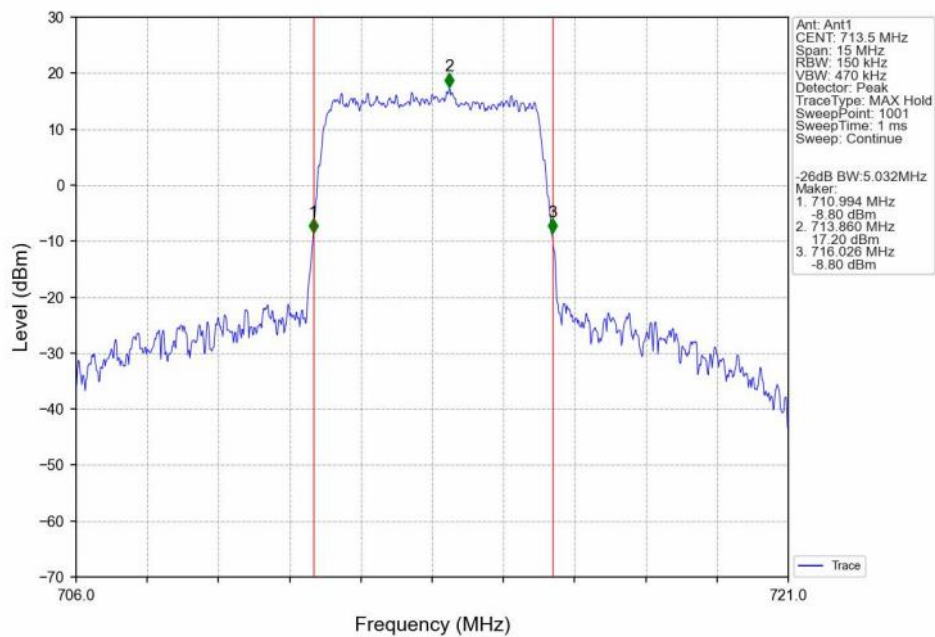
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



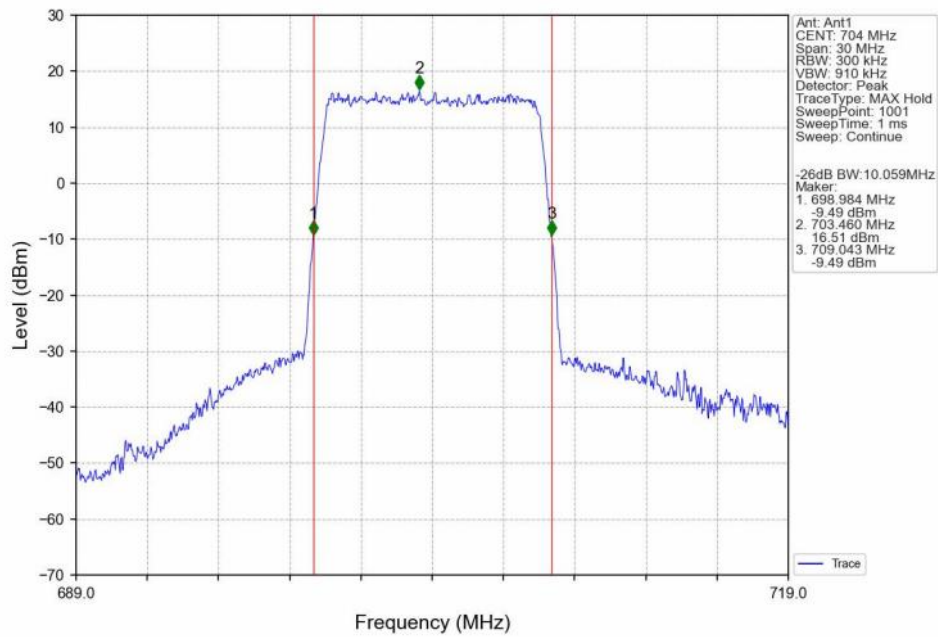
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



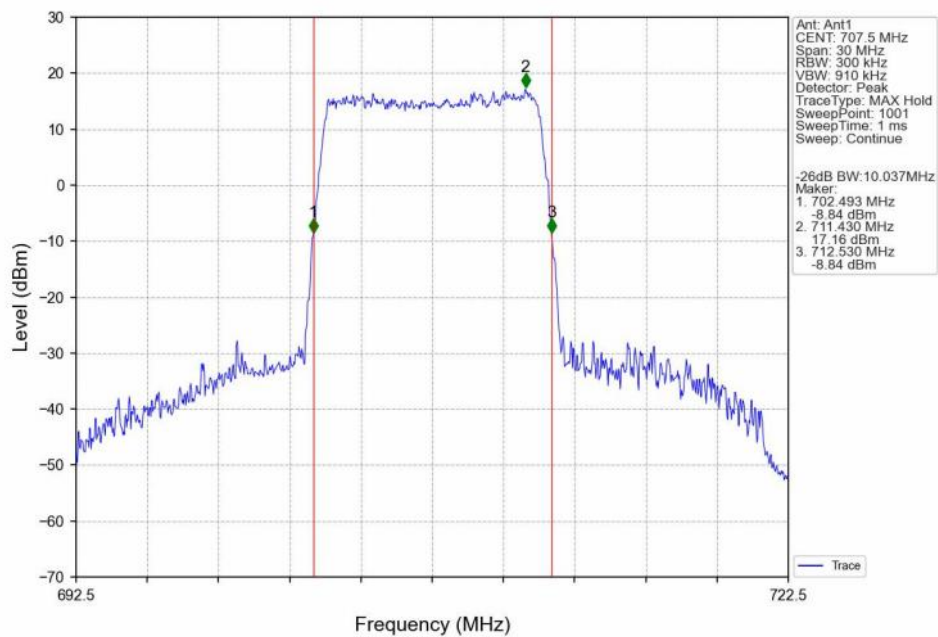
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



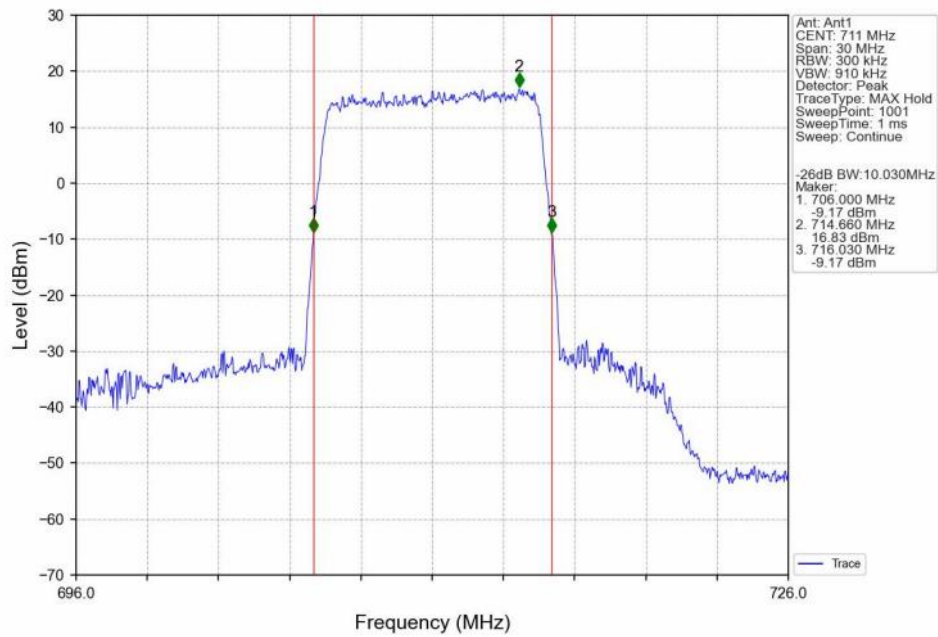
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



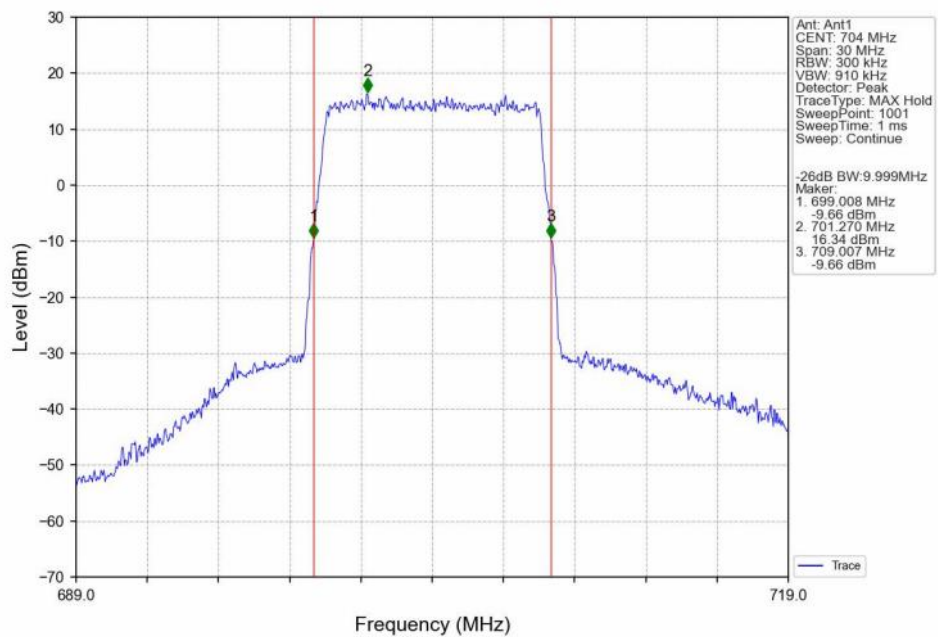
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



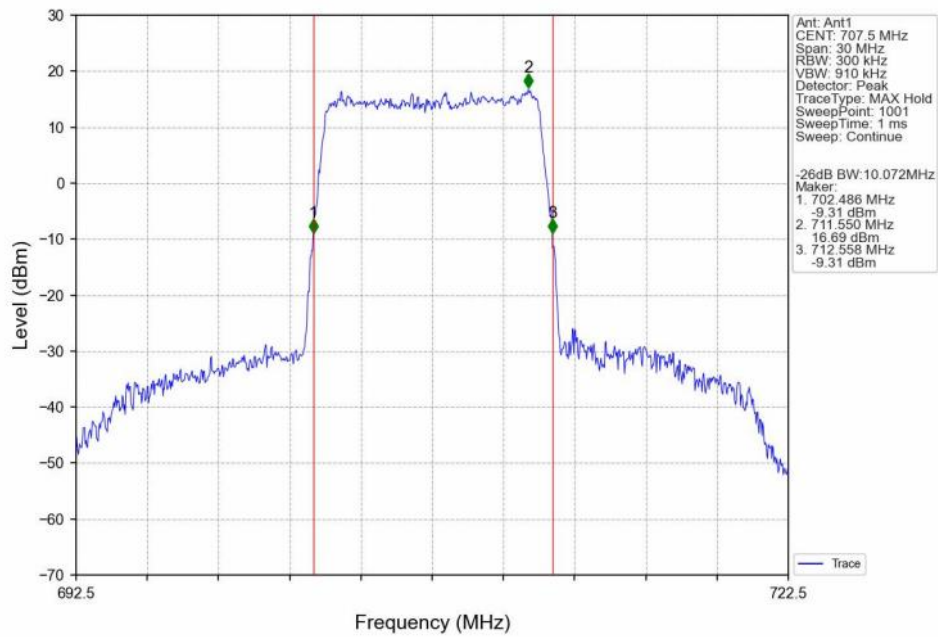
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



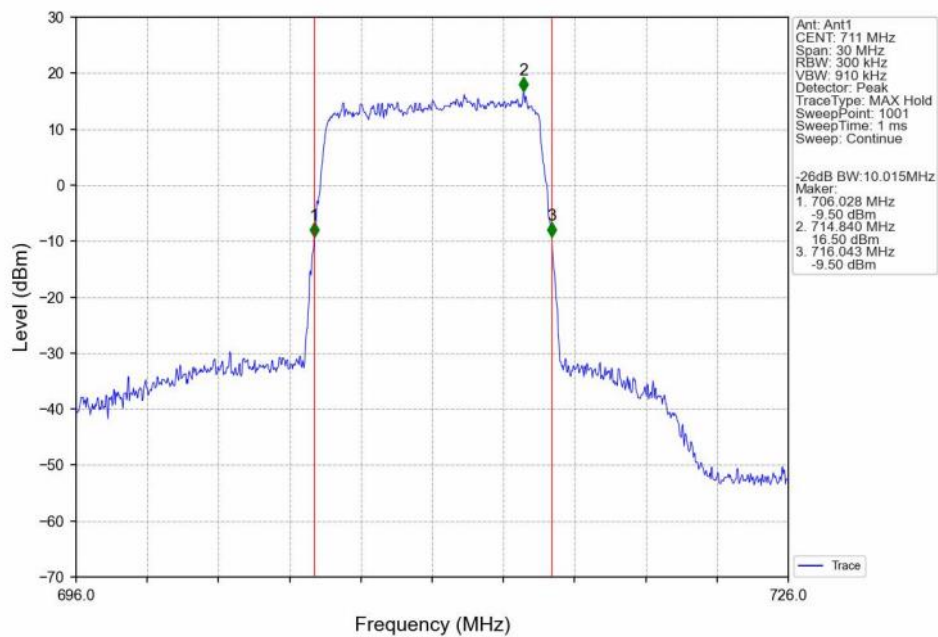
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	5.64	≤ 13	Pass
	707.5	6	0	5.81	≤ 13	Pass
	715.3	6	0	5.36	≤ 13	Pass
16QAM	699.7	6	0	6.38	≤ 13	Pass
	707.5	6	0	6.49	≤ 13	Pass
	715.3	6	0	6.13	≤ 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	5.71	≤ 13	Pass
	707.5	15	0	5.78	≤ 13	Pass
	714.5	15	0	5.53	≤ 13	Pass
16QAM	700.5	15	0	6.42	≤ 13	Pass
	707.5	15	0	6.56	≤ 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	5.72	≤ 13	Pass
	707.5	25	0	5.86	≤ 13	Pass
	713.5	25	0	5.57	≤ 13	Pass
16QAM	701.5	25	0	6.45	≤ 13	Pass
	707.5	25	0	6.51	≤ 13	Pass
	713.5	25	0	6.17	≤ 13	Pass

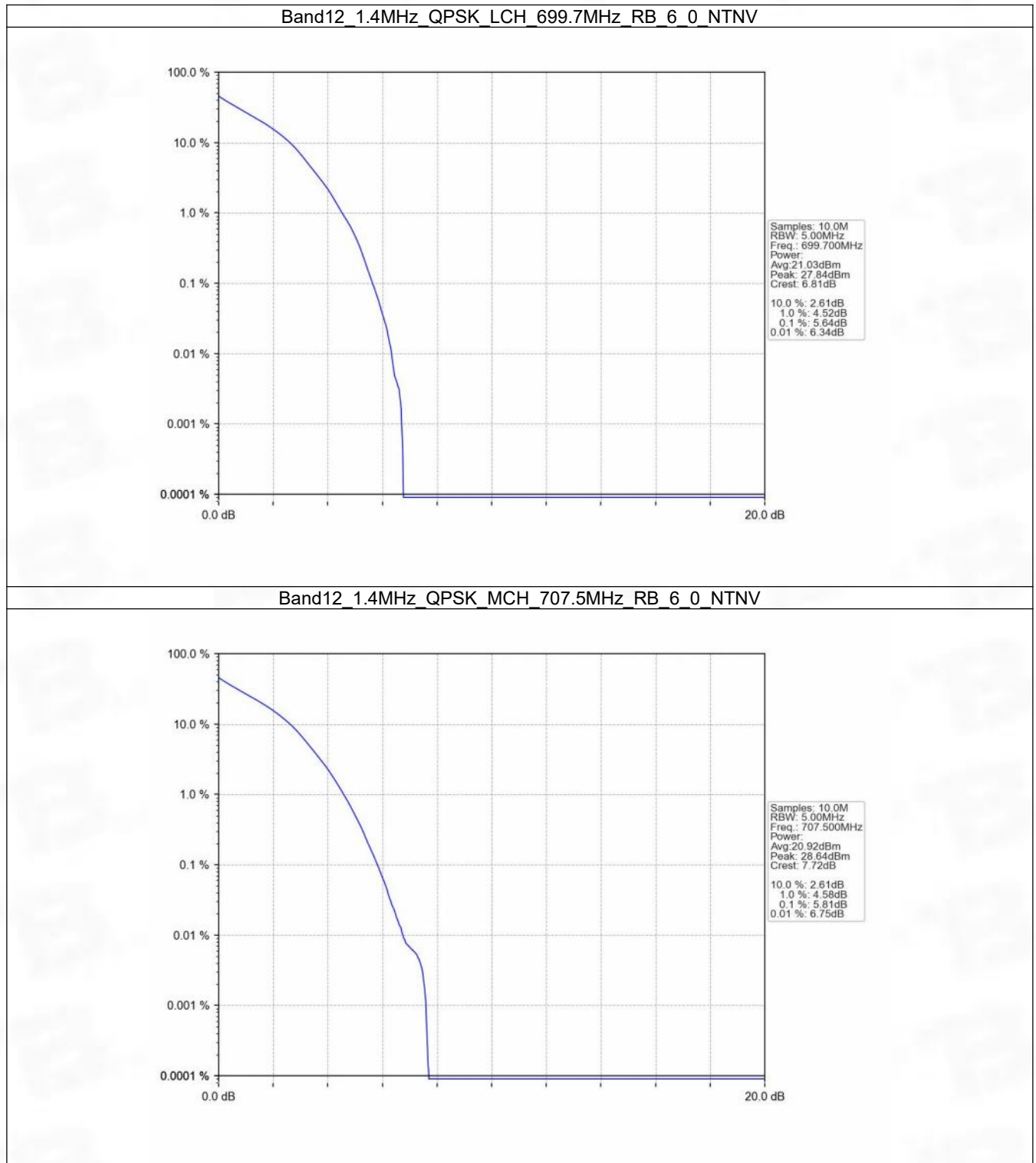
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.76	≤ 13	Pass
	707.5	50	0	5.87	≤ 13	Pass
	711	50	0	5.67	≤ 13	Pass
16QAM	704	50	0	6.52	≤ 13	Pass
	707.5	50	0	6.56	≤ 13	Pass

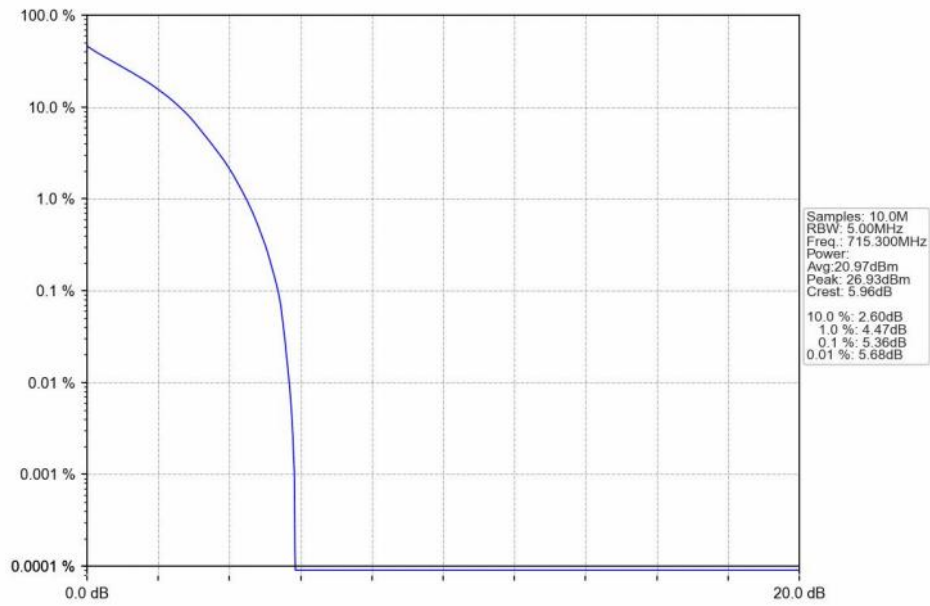
	711	50	0	6.39	<=13	Pass
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5.2 Test Graph

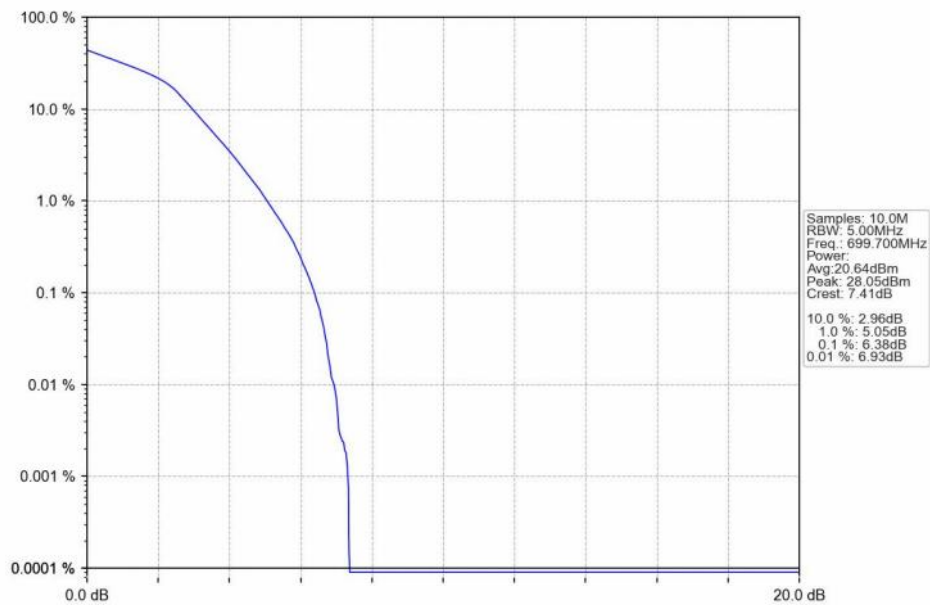
5.2.1 B12_1.4MHz



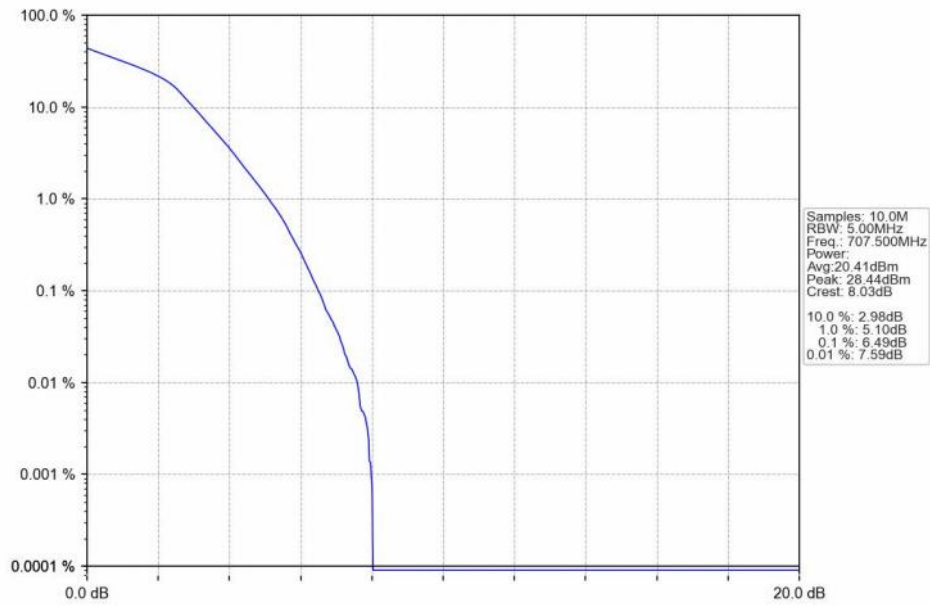
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



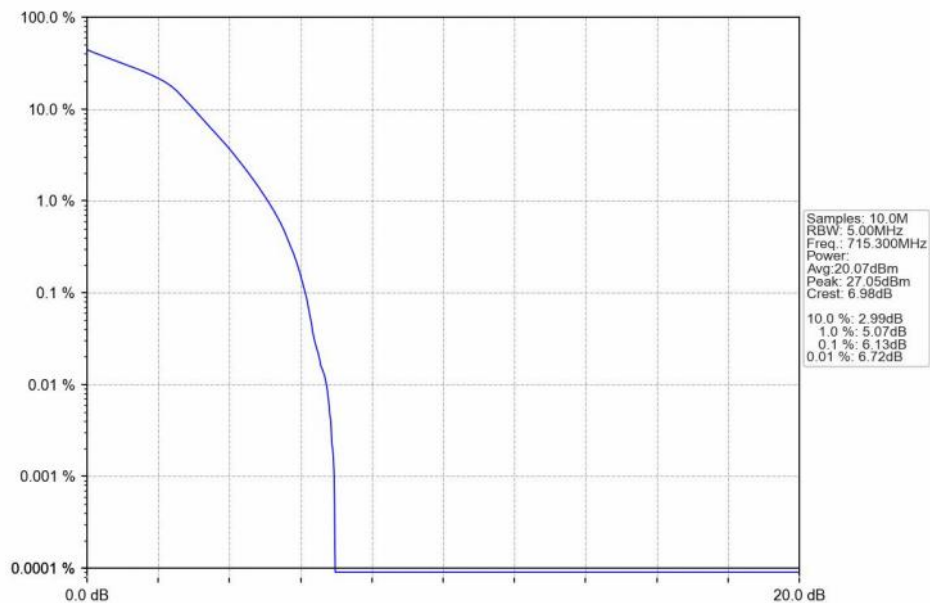
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



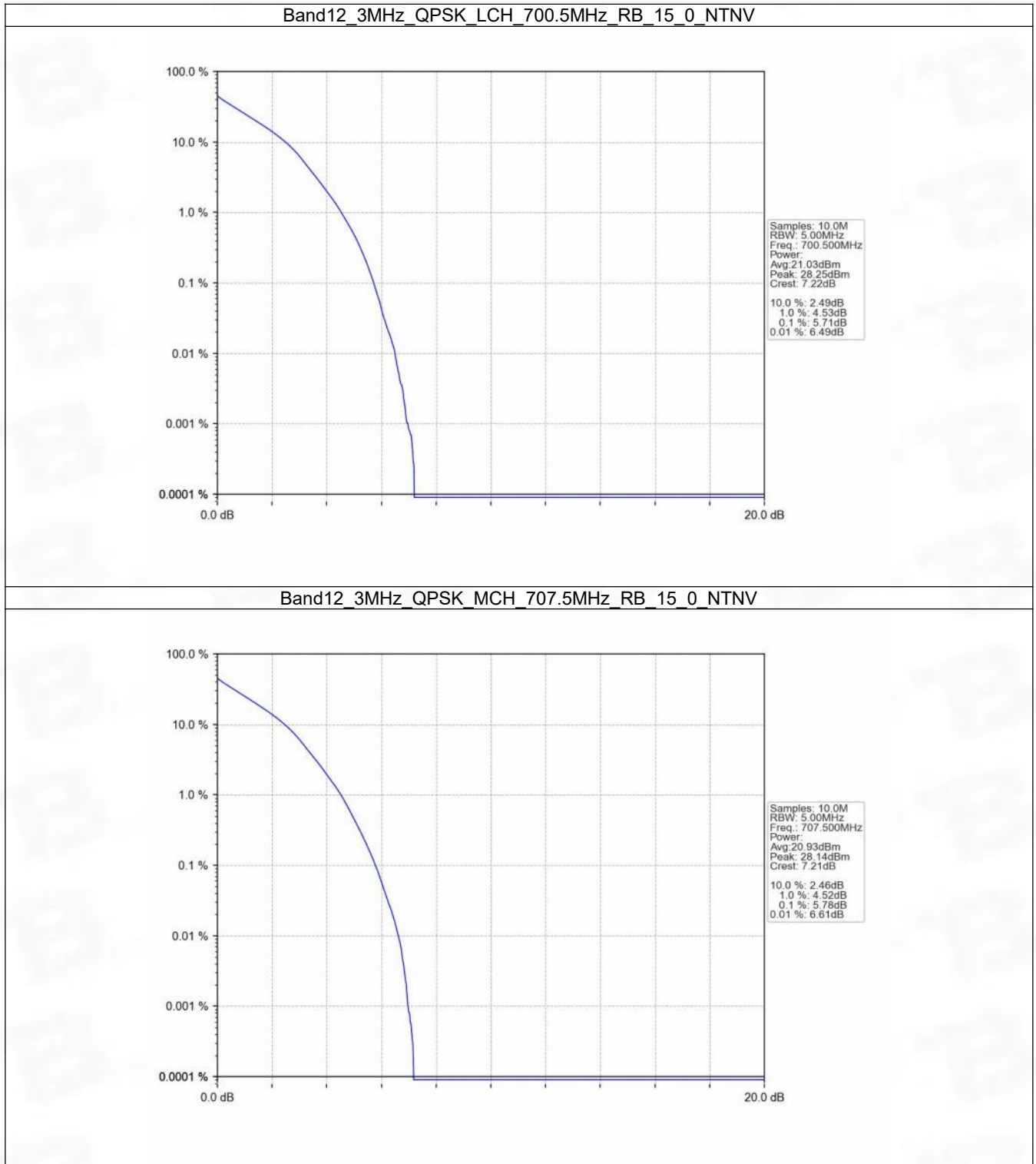
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



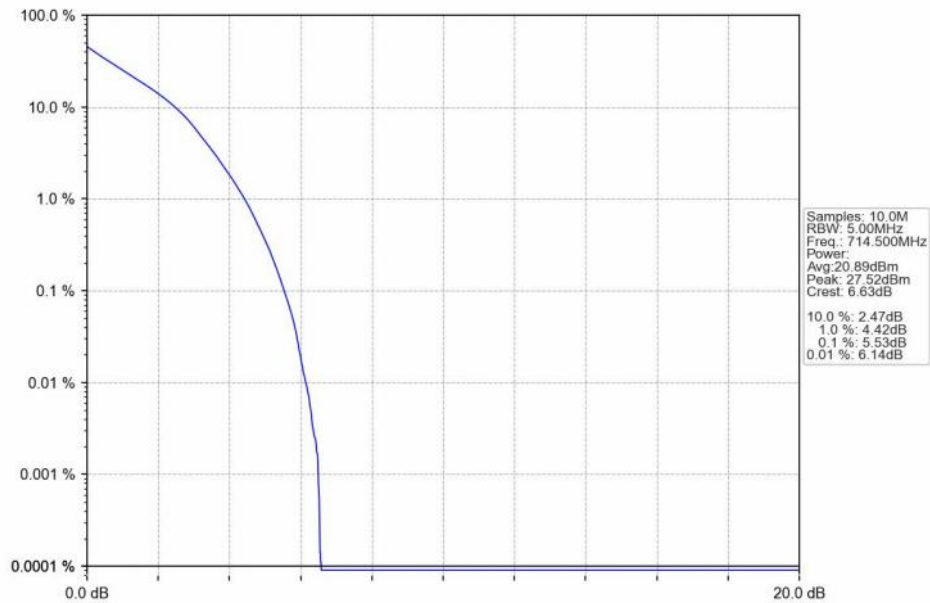
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



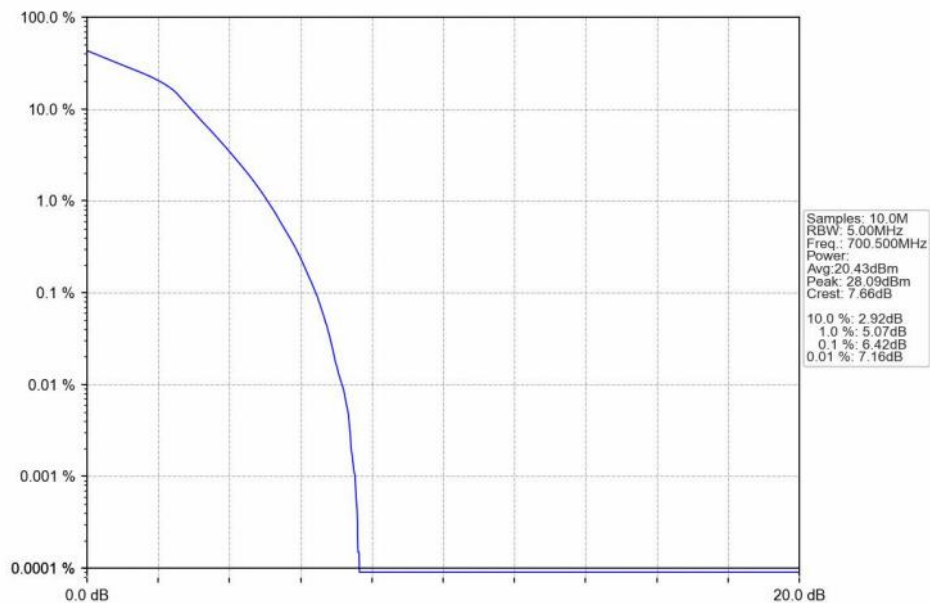
5.2.2 B12_3MHz



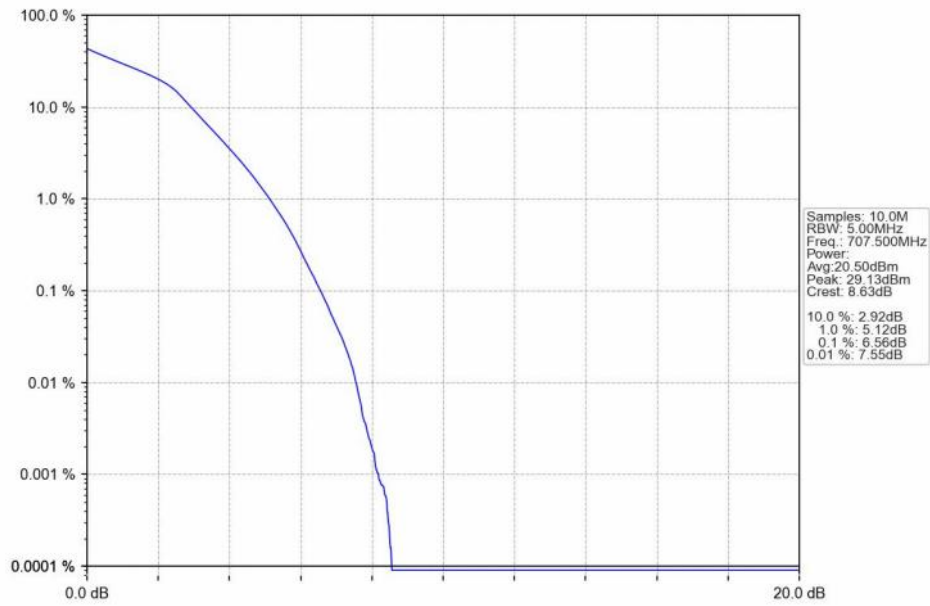
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



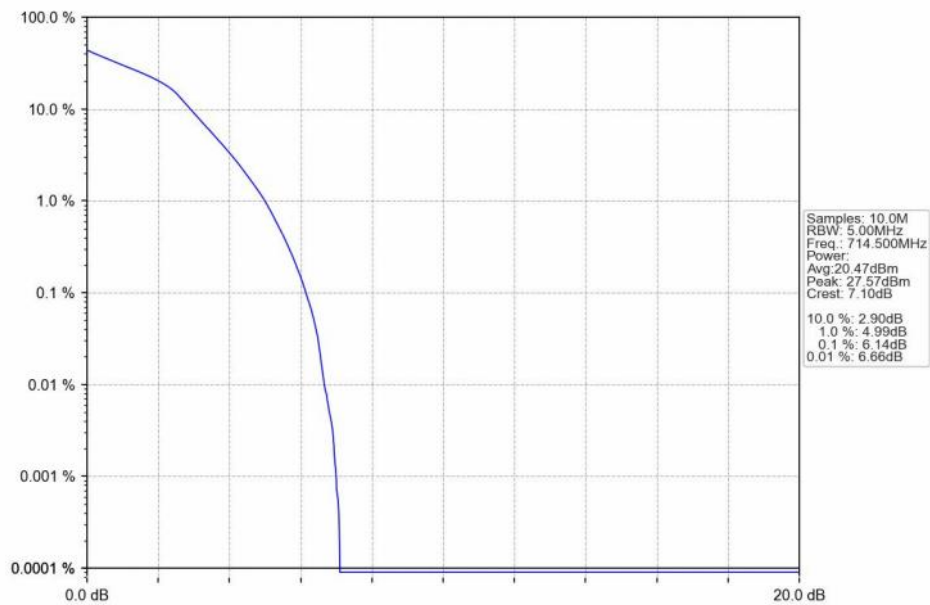
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



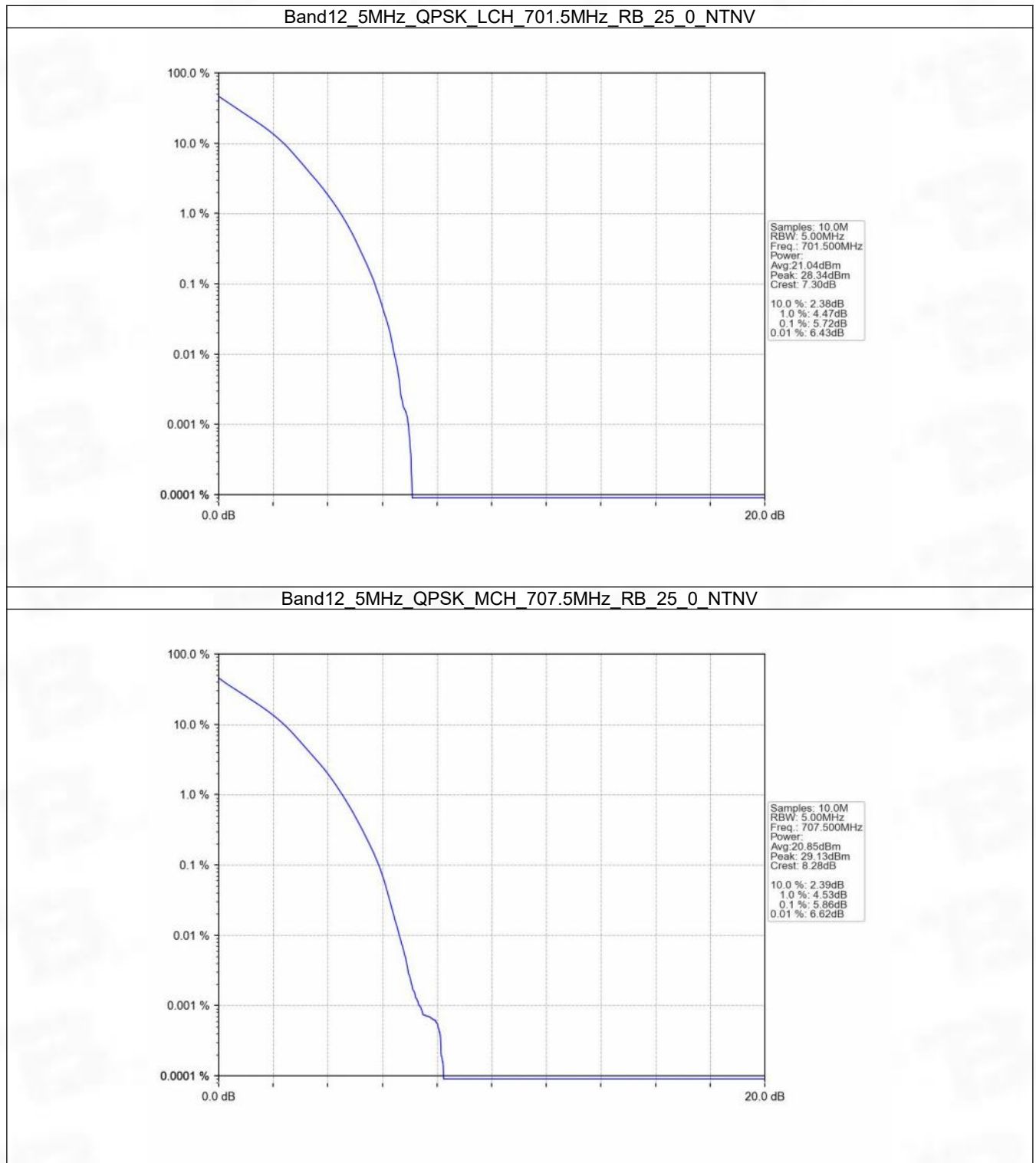
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



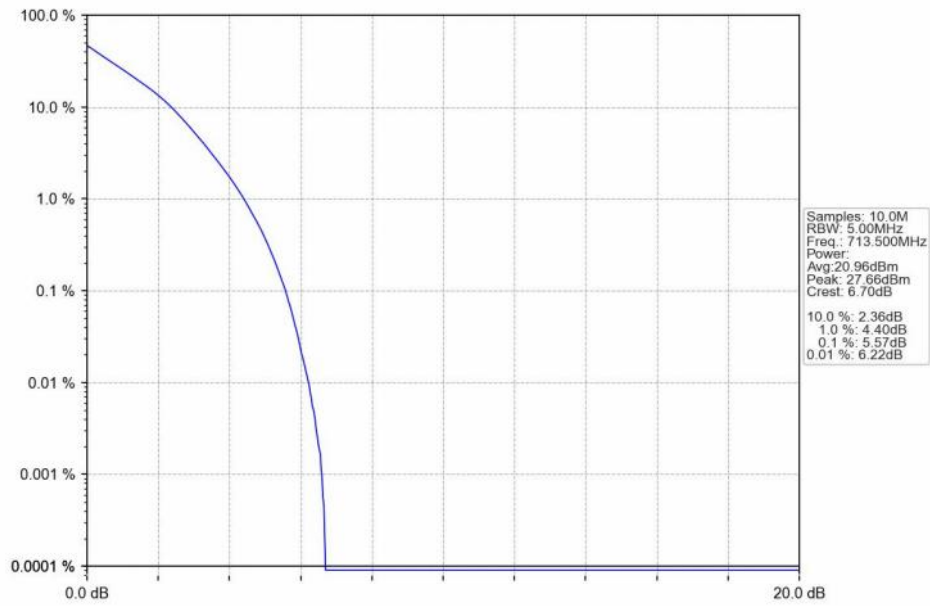
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



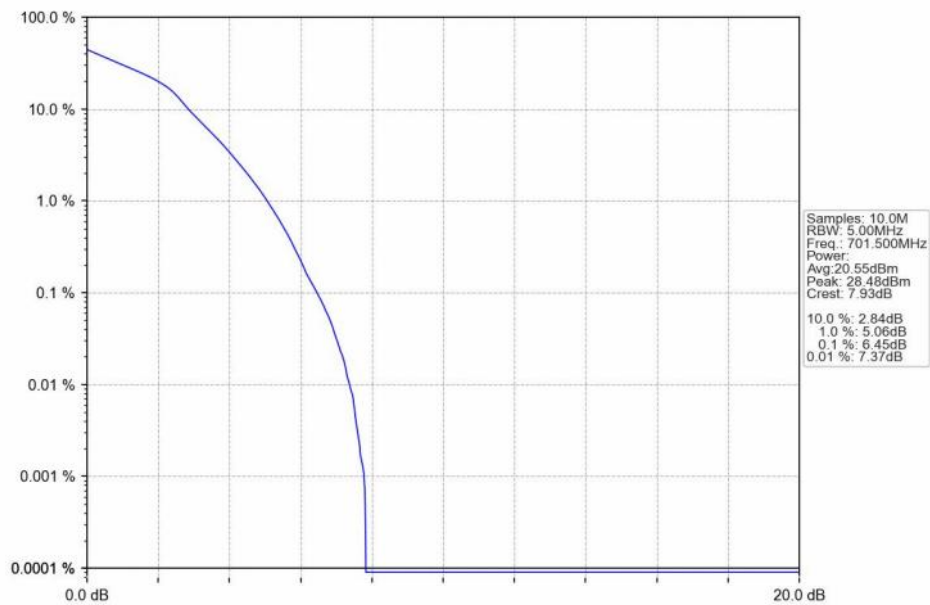
5.2.3 B12_5MHz



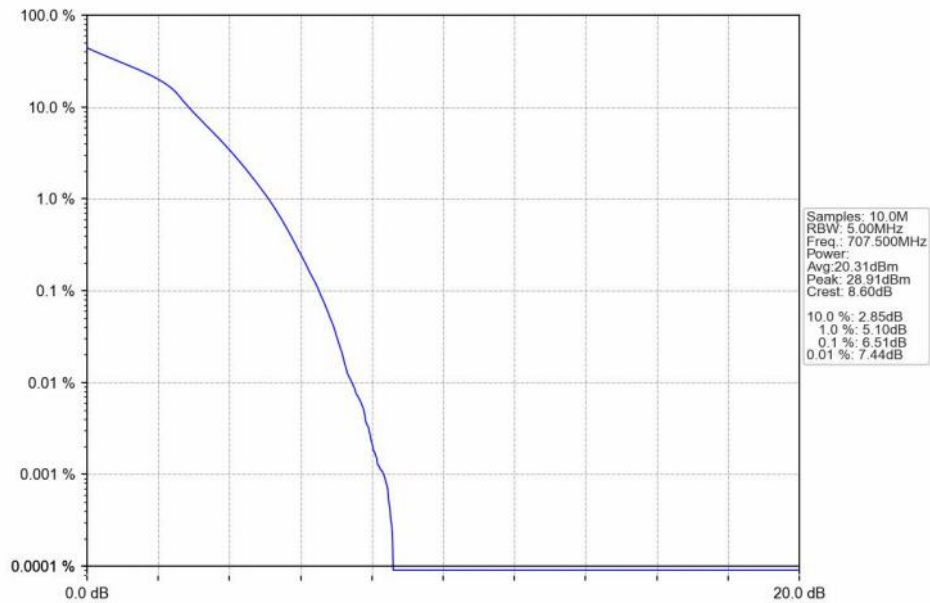
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



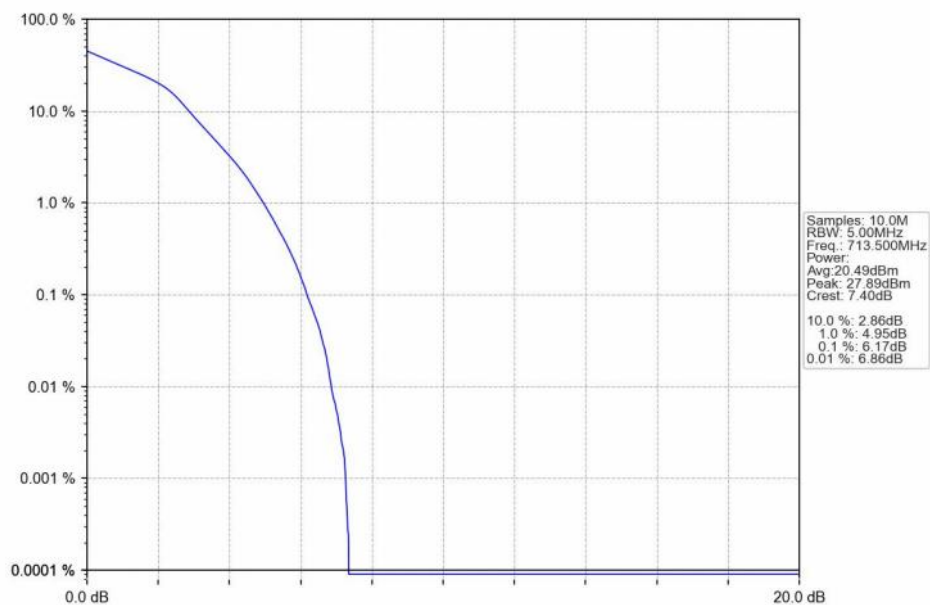
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



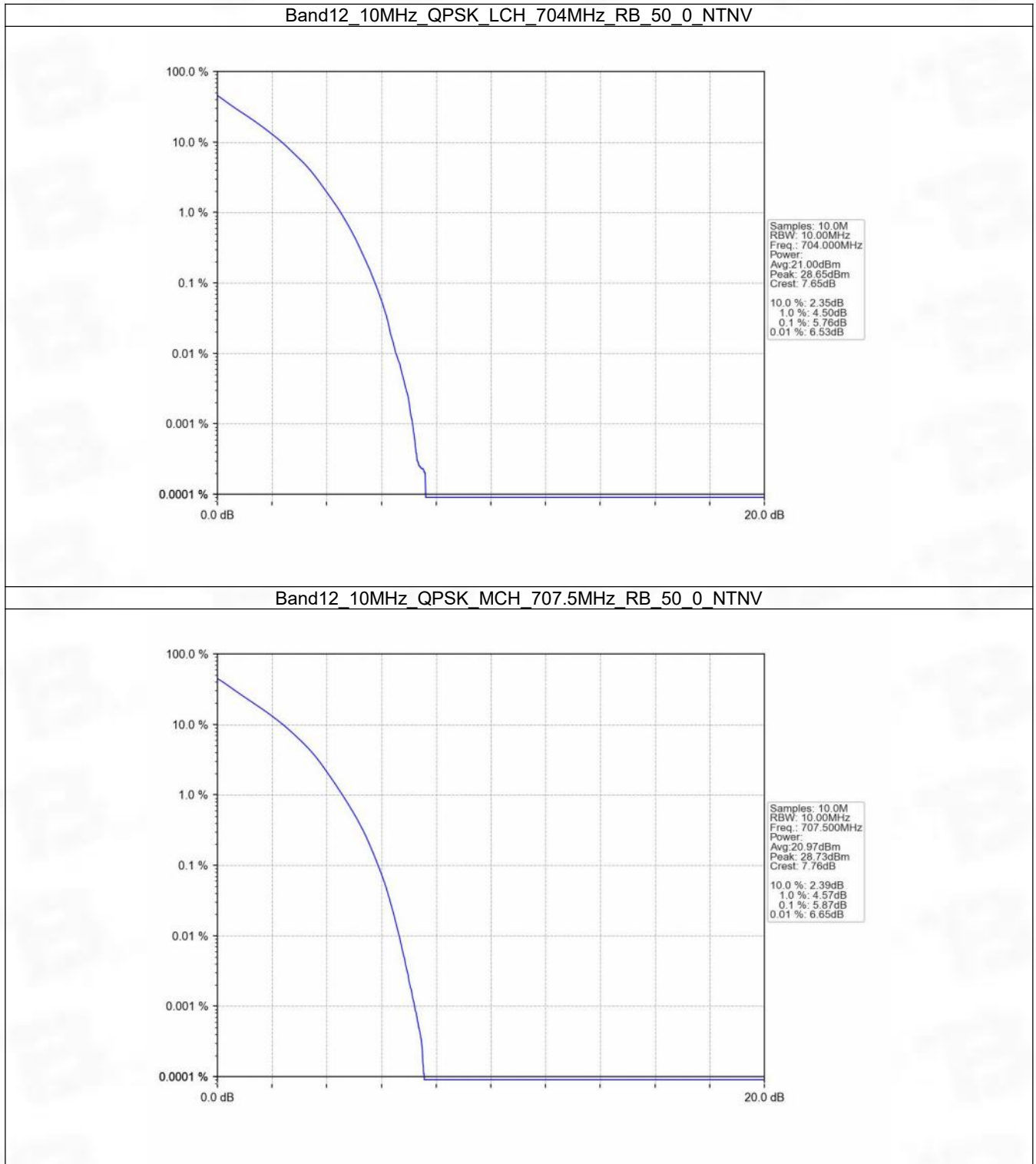
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



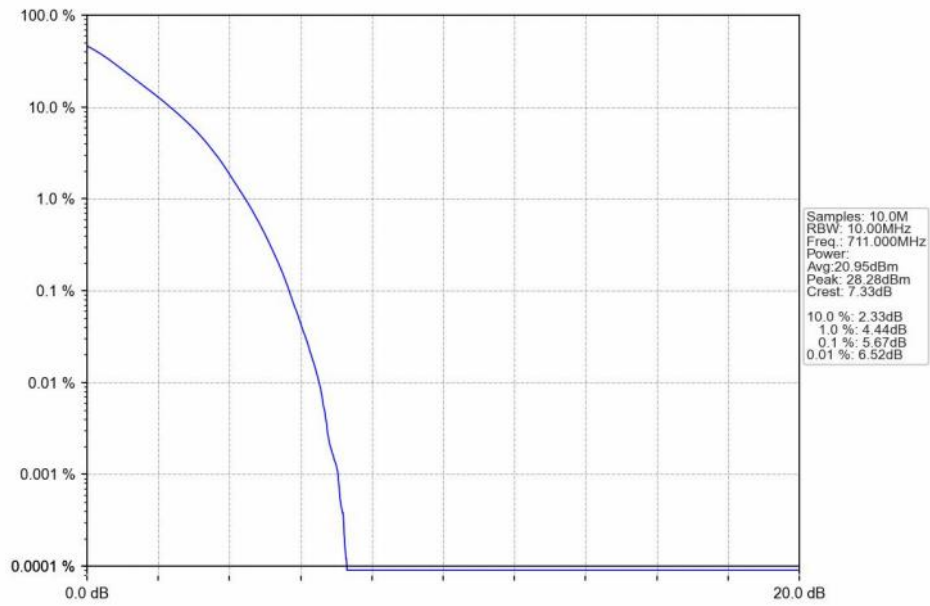
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



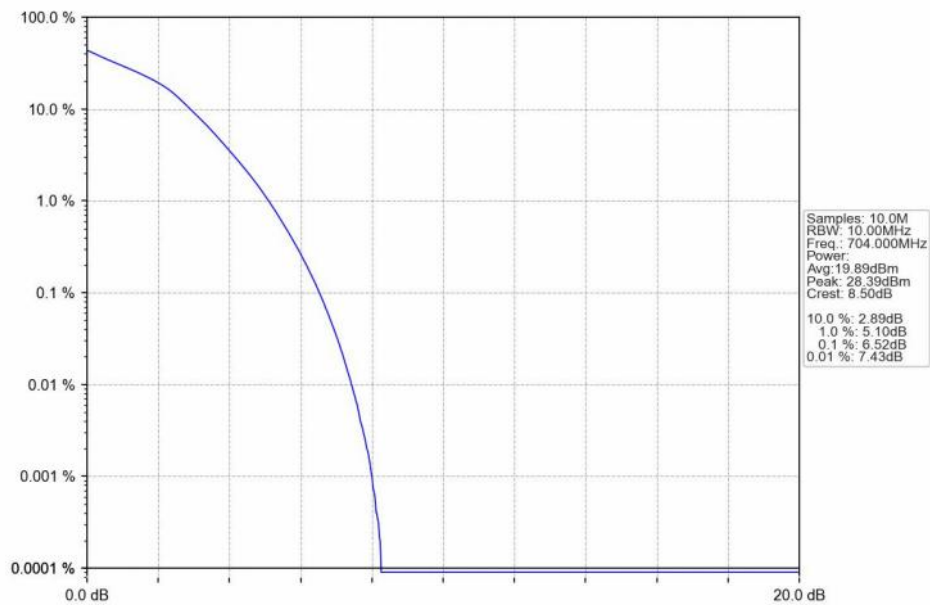
5.2.4 B12_10MHz



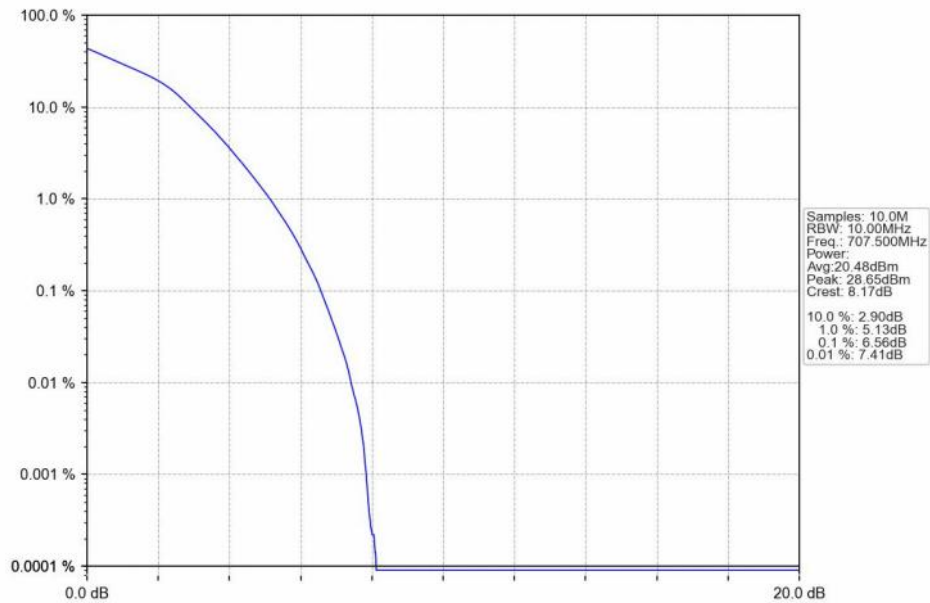
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



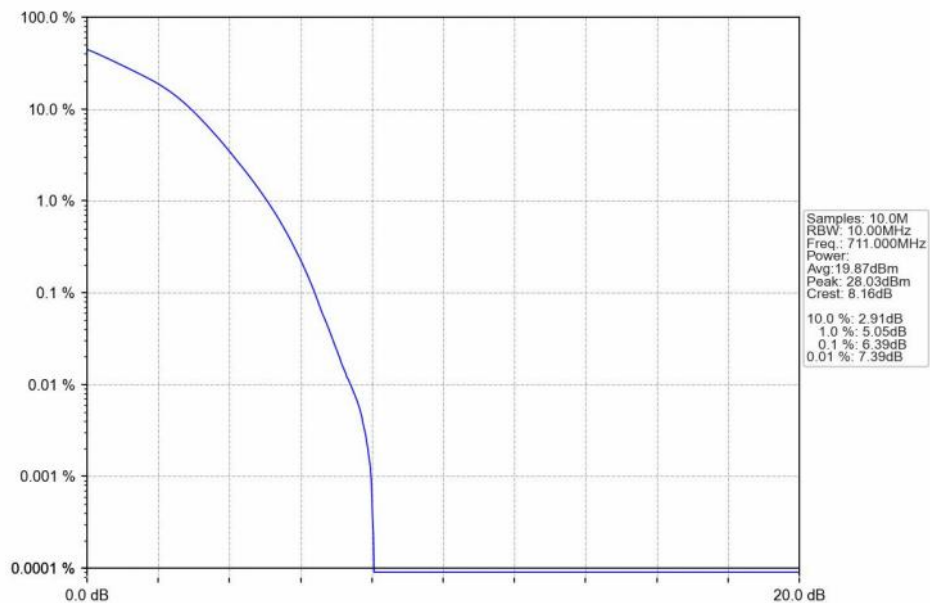
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	699.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	715.3	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
16QAM	699.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	715.3	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass

6.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	700.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	714.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
16QAM	700.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	714.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass

6.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	701.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	701.5	1	0	Refer To Test Graph	Pass

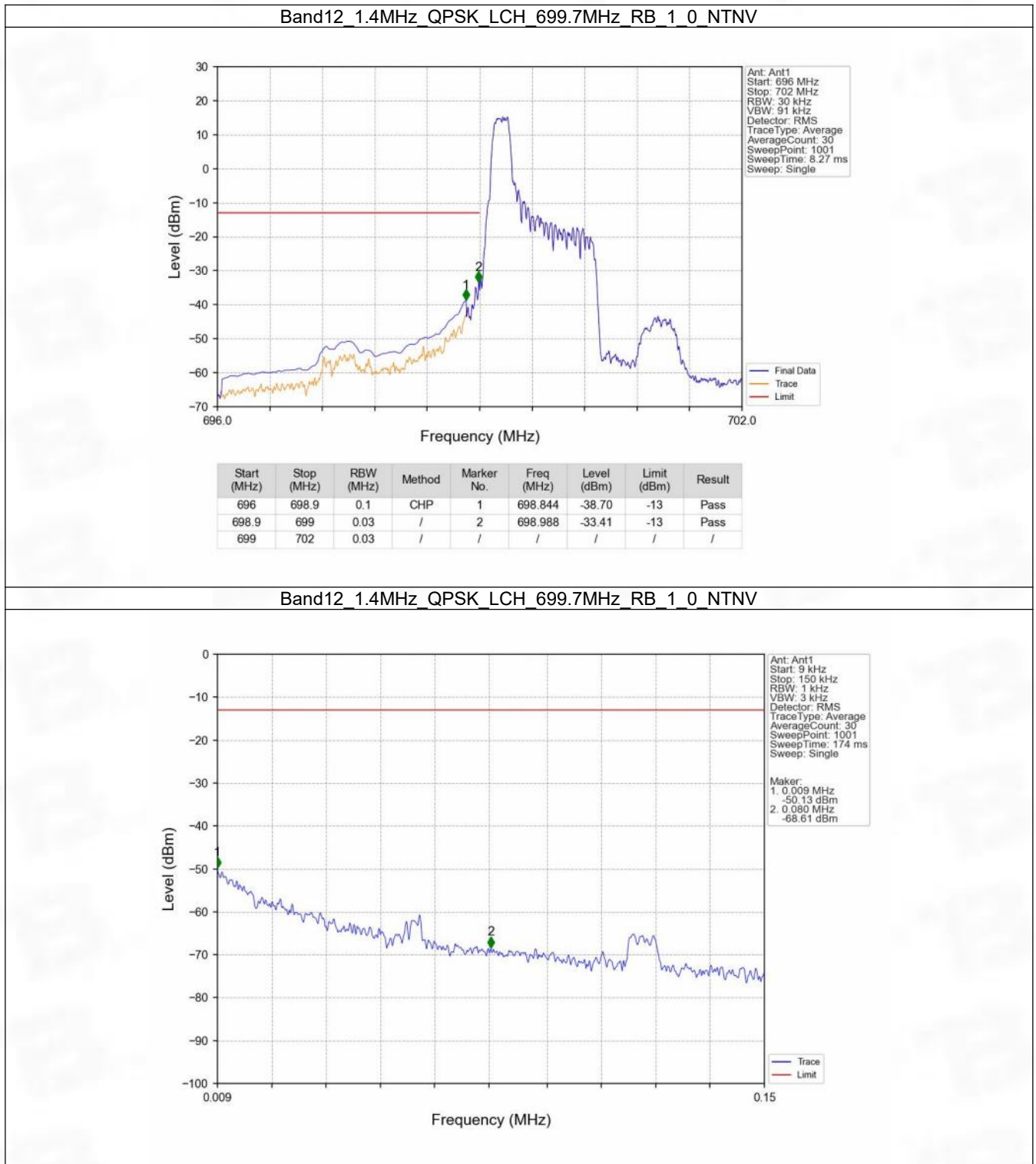
	707.5	25	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

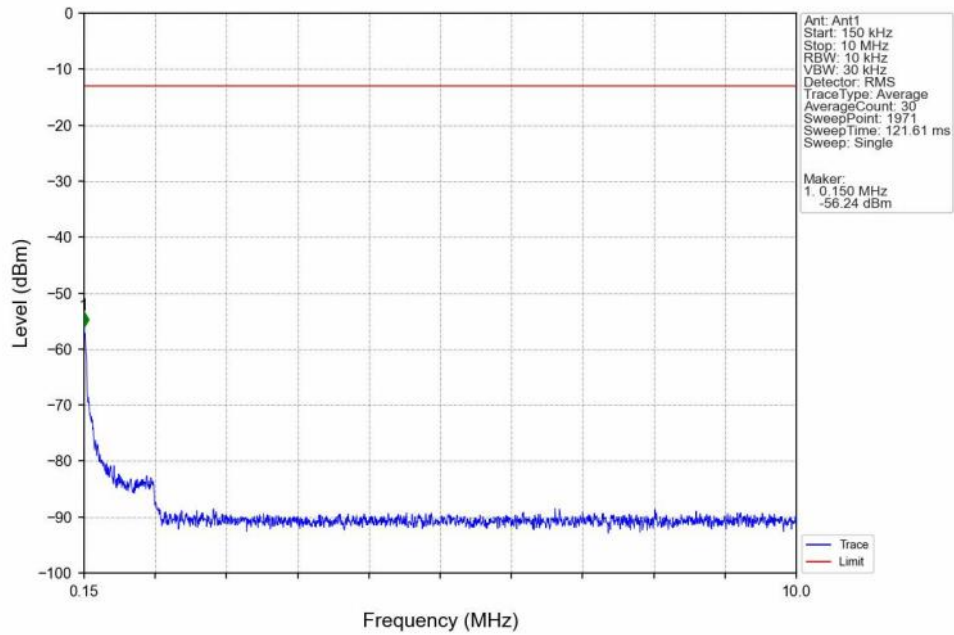
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

6.2 Test Graph

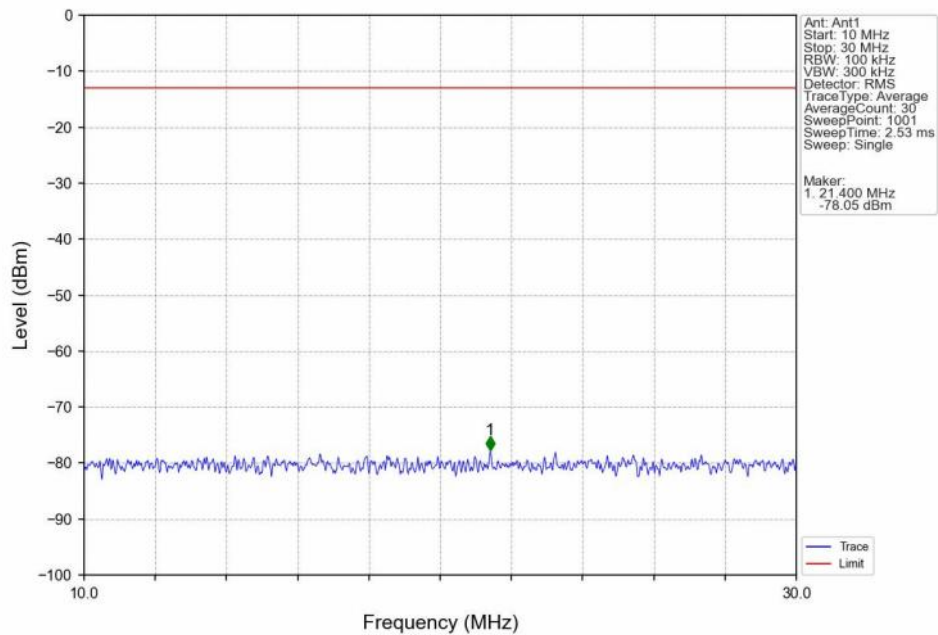
6.2.1 B12_1.4MHz



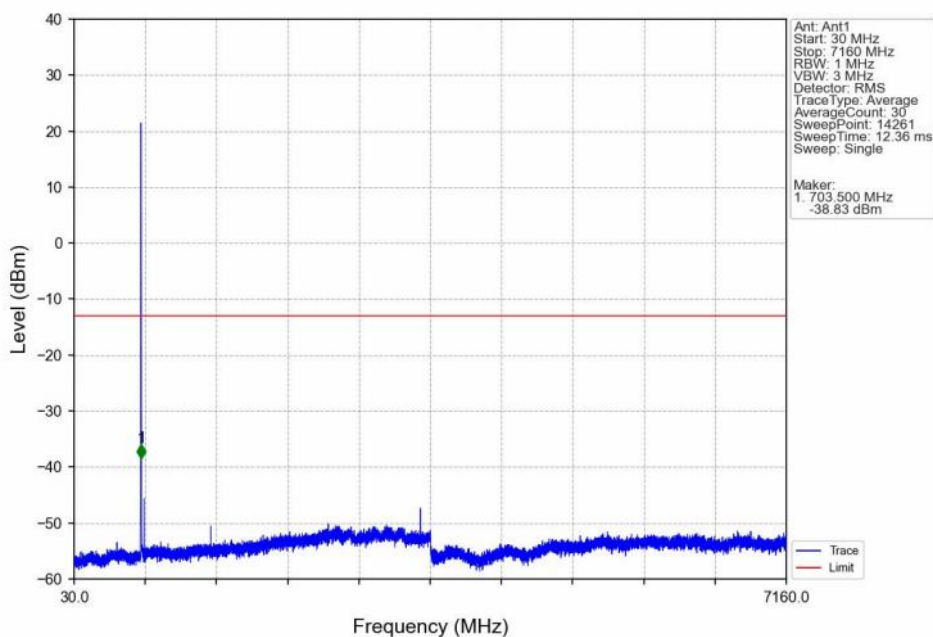
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



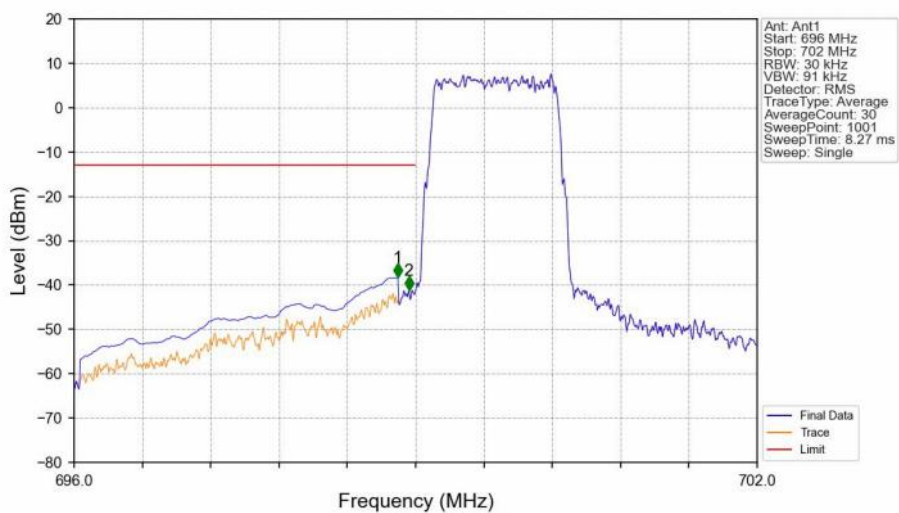
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

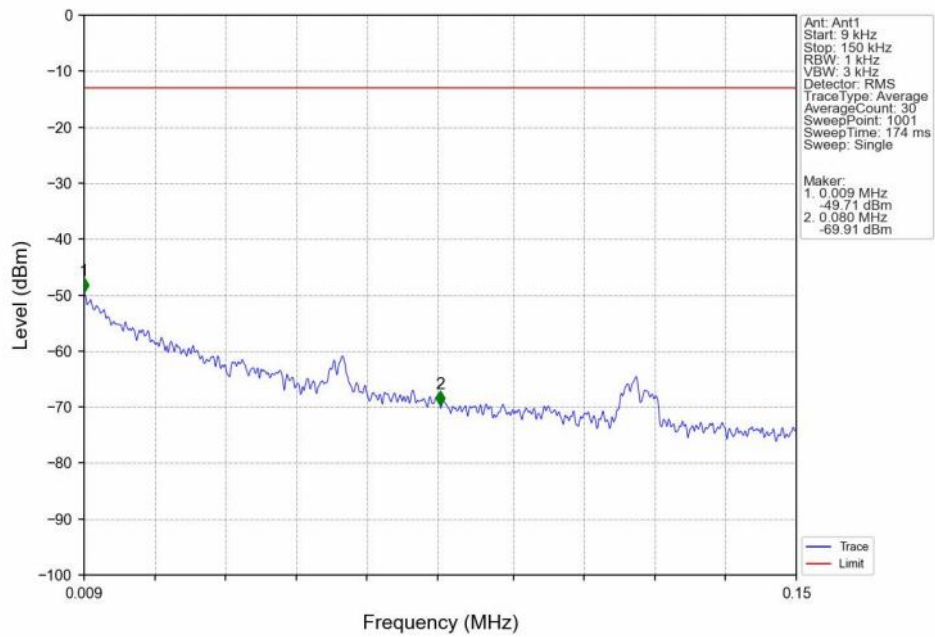


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-38.27	-13	Pass
698.9	699	0.03	/	2	698.940	-41.19	-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

