

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	24.41	-2.20	20.06	<=34.77	Pass
			2	24.48	-2.20	20.13	<=34.77	Pass
			5	24.53	-2.20	20.18	<=34.77	Pass
		3	0	24.39	-2.20	20.04	<=34.77	Pass
			2	24.39	-2.20	20.04	<=34.77	Pass
			3	24.49	-2.20	20.14	<=34.77	Pass
		6	0	23.48	-2.20	19.13	<=34.77	Pass
	707.5	1	0	24.40	-2.20	20.05	<=34.77	Pass
			2	24.40	-2.20	20.05	<=34.77	Pass
			5	24.52	-2.20	20.17	<=34.77	Pass
		3	0	24.45	-2.20	20.10	<=34.77	Pass
			2	24.39	-2.20	20.04	<=34.77	Pass
			3	24.40	-2.20	20.05	<=34.77	Pass
		6	0	23.45	-2.20	19.10	<=34.77	Pass
	715.3	1	0	24.36	-2.20	20.01	<=34.77	Pass
			2	24.41	-2.20	20.06	<=34.77	Pass
			5	24.39	-2.20	20.04	<=34.77	Pass
		3	0	24.40	-2.20	20.05	<=34.77	Pass
			2	24.30	-2.20	19.95	<=34.77	Pass
			3	24.38	-2.20	20.03	<=34.77	Pass
		6	0	23.42	-2.20	19.07	<=34.77	Pass
16QAM	699.7	1	0	23.40	-2.20	19.05	<=34.77	Pass
			2	23.65	-2.20	19.30	<=34.77	Pass
			5	23.52	-2.20	19.17	<=34.77	Pass
		3	0	23.44	-2.20	19.09	<=34.77	Pass
			2	23.36	-2.20	19.01	<=34.77	Pass
			3	23.24	-2.20	18.89	<=34.77	Pass
		6	0	22.53	-2.20	18.18	<=34.77	Pass
	707.5	1	0	23.36	-2.20	19.01	<=34.77	Pass
			2	23.26	-2.20	18.91	<=34.77	Pass
			5	23.35	-2.20	19.00	<=34.77	Pass
		3	0	23.41	-2.20	19.06	<=34.77	Pass
			2	23.45	-2.20	19.10	<=34.77	Pass
			3	23.27	-2.20	18.92	<=34.77	Pass
		6	0	22.48	-2.20	18.13	<=34.77	Pass
	715.3	1	0	23.48	-2.20	19.13	<=34.77	Pass
			2	23.30	-2.20	18.95	<=34.77	Pass
			5	23.45	-2.20	19.10	<=34.77	Pass
		3	0	23.55	-2.20	19.20	<=34.77	Pass
			2	23.37	-2.20	19.02	<=34.77	Pass
			3	23.43	-2.20	19.08	<=34.77	Pass
		6	0	22.30	-2.20	17.95	<=34.77	Pass
64QAM	699.7	1	0	22.62	-2.20	18.27	<=34.77	Pass
			2	22.61	-2.20	18.26	<=34.77	Pass
			5	22.29	-2.20	17.94	<=34.77	Pass
		3	0	22.45	-2.20	18.10	<=34.77	Pass
			2	22.62	-2.20	18.27	<=34.77	Pass
			3	22.53	-2.20	18.18	<=34.77	Pass

		6	0	21.45	-2.20	17.10	<=34.77	Pass
	707.5	1	0	22.56	-2.20	18.21	<=34.77	Pass
			2	22.26	-2.20	17.91	<=34.77	Pass
			5	22.22	-2.20	17.87	<=34.77	Pass
			0	22.50	-2.20	18.15	<=34.77	Pass
		3	2	22.37	-2.20	18.02	<=34.77	Pass
			3	22.51	-2.20	18.16	<=34.77	Pass
			6	0	21.39	-2.20	17.04	<=34.77
	715.3	1	0	22.64	-2.20	18.29	<=34.77	Pass
			2	22.61	-2.20	18.26	<=34.77	Pass
			5	22.26	-2.20	17.91	<=34.77	Pass
		3	0	22.31	-2.20	17.96	<=34.77	Pass
			2	22.47	-2.20	18.12	<=34.77	Pass
			3	22.49	-2.20	18.14	<=34.77	Pass
		6	0	21.35	-2.20	17.00	<=34.77	Pass
256QAM	699.7	1	0	19.64	-2.20	15.29	<=34.77	Pass
			2	19.52	-2.20	15.17	<=34.77	Pass
			5	19.63	-2.20	15.28	<=34.77	Pass
		3	0	19.68	-2.20	15.33	<=34.77	Pass
			2	19.65	-2.20	15.30	<=34.77	Pass
			3	19.67	-2.20	15.32	<=34.77	Pass
		6	0	19.40	-2.20	15.05	<=34.77	Pass
	707.5	1	0	19.54	-2.20	15.19	<=34.77	Pass
			2	19.49	-2.20	15.14	<=34.77	Pass
			5	19.59	-2.20	15.24	<=34.77	Pass
		3	0	19.53	-2.20	15.18	<=34.77	Pass
			2	19.50	-2.20	15.15	<=34.77	Pass
			3	19.55	-2.20	15.20	<=34.77	Pass
		6	0	19.39	-2.20	15.04	<=34.77	Pass
	715.3	1	0	19.49	-2.20	15.14	<=34.77	Pass
			2	19.61	-2.20	15.26	<=34.77	Pass
			5	19.62	-2.20	15.27	<=34.77	Pass
		3	0	19.67	-2.20	15.32	<=34.77	Pass
			2	19.50	-2.20	15.15	<=34.77	Pass
			3	19.55	-2.20	15.20	<=34.77	Pass
		6	0	19.53	-2.20	15.18	<=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	24.25	-2.20	19.90	<=34.77	Pass
			7	24.33	-2.20	19.98	<=34.77	Pass
			14	24.40	-2.20	20.05	<=34.77	Pass
		8	0	23.38	-2.20	19.03	<=34.77	Pass
			4	23.39	-2.20	19.04	<=34.77	Pass
			7	23.37	-2.20	19.02	<=34.77	Pass
		15	0	23.30	-2.20	18.95	<=34.77	Pass
	707.5	1	0	24.43	-2.20	20.08	<=34.77	Pass
			7	24.32	-2.20	19.97	<=34.77	Pass
			14	24.30	-2.20	19.95	<=34.77	Pass
		8	0	23.29	-2.20	18.94	<=34.77	Pass
			4	23.27	-2.20	18.92	<=34.77	Pass
			7	23.41	-2.20	19.06	<=34.77	Pass
		15	0	23.38	-2.20	19.03	<=34.77	Pass

	714.5	1	0	24.33	-2.20	19.98	<=34.77	Pass
			7	24.28	-2.20	19.93	<=34.77	Pass
			14	24.25	-2.20	19.90	<=34.77	Pass
		8	0	23.41	-2.20	19.06	<=34.77	Pass
			4	23.37	-2.20	19.02	<=34.77	Pass
			7	23.45	-2.20	19.10	<=34.77	Pass
		15	0	23.43	-2.20	19.08	<=34.77	Pass
16QAM	700.5	1	0	23.68	-2.20	19.33	<=34.77	Pass
			7	23.38	-2.20	19.03	<=34.77	Pass
			14	23.79	-2.20	19.44	<=34.77	Pass
		8	0	22.54	-2.20	18.19	<=34.77	Pass
			4	22.45	-2.20	18.10	<=34.77	Pass
			7	22.55	-2.20	18.20	<=34.77	Pass
		15	0	22.25	-2.20	17.90	<=34.77	Pass
	707.5	1	0	23.76	-2.20	19.41	<=34.77	Pass
			7	23.58	-2.20	19.23	<=34.77	Pass
			14	23.46	-2.20	19.11	<=34.77	Pass
		8	0	22.44	-2.20	18.09	<=34.77	Pass
			4	22.44	-2.20	18.09	<=34.77	Pass
			7	22.48	-2.20	18.13	<=34.77	Pass
		15	0	22.51	-2.20	18.16	<=34.77	Pass
	714.5	1	0	23.68	-2.20	19.33	<=34.77	Pass
			7	23.43	-2.20	19.08	<=34.77	Pass
			14	23.56	-2.20	19.21	<=34.77	Pass
		8	0	22.39	-2.20	18.04	<=34.77	Pass
			4	22.31	-2.20	17.96	<=34.77	Pass
			7	22.32	-2.20	17.97	<=34.77	Pass
		15	0	22.29	-2.20	17.94	<=34.77	Pass
64QAM	700.5	1	0	22.69	-2.20	18.34	<=34.77	Pass
			7	22.74	-2.20	18.39	<=34.77	Pass
			14	22.54	-2.20	18.19	<=34.77	Pass
		8	0	21.55	-2.20	17.20	<=34.77	Pass
			4	21.54	-2.20	17.19	<=34.77	Pass
			7	21.51	-2.20	17.16	<=34.77	Pass
		15	0	21.52	-2.20	17.17	<=34.77	Pass
	707.5	1	0	22.65	-2.20	18.30	<=34.77	Pass
			7	22.54	-2.20	18.19	<=34.77	Pass
			14	22.58	-2.20	18.23	<=34.77	Pass
		8	0	21.47	-2.20	17.12	<=34.77	Pass
			4	21.53	-2.20	17.18	<=34.77	Pass
			7	21.47	-2.20	17.12	<=34.77	Pass
		15	0	21.60	-2.20	17.25	<=34.77	Pass
	714.5	1	0	22.55	-2.20	18.20	<=34.77	Pass
			7	22.15	-2.20	17.80	<=34.77	Pass
			14	22.44	-2.20	18.09	<=34.77	Pass
		8	0	21.49	-2.20	17.14	<=34.77	Pass
			4	21.44	-2.20	17.09	<=34.77	Pass
			7	21.46	-2.20	17.11	<=34.77	Pass
		15	0	21.65	-2.20	17.30	<=34.77	Pass
256QAM	700.5	1	0	19.67	-2.20	15.32	<=34.77	Pass
			7	19.72	-2.20	15.37	<=34.77	Pass
			14	19.65	-2.20	15.30	<=34.77	Pass
		8	0	19.58	-2.20	15.23	<=34.77	Pass
			4	19.63	-2.20	15.28	<=34.77	Pass
			7	19.67	-2.20	15.32	<=34.77	Pass
		15	0	19.48	-2.20	15.13	<=34.77	Pass
	707.5	1	0	19.54	-2.20	15.19	<=34.77	Pass
			7	19.54	-2.20	15.19	<=34.77	Pass
			14	19.58	-2.20	15.23	<=34.77	Pass

		8	0	19.47	-2.20	15.12	<=34.77	Pass
			4	19.57	-2.20	15.22	<=34.77	Pass
			7	19.49	-2.20	15.14	<=34.77	Pass
	714.5	15	0	19.52	-2.20	15.17	<=34.77	Pass
		1	0	19.68	-2.20	15.33	<=34.77	Pass
			7	19.65	-2.20	15.30	<=34.77	Pass
			14	19.64	-2.20	15.29	<=34.77	Pass
		8	0	19.58	-2.20	15.23	<=34.77	Pass
			4	19.54	-2.20	15.19	<=34.77	Pass
			7	19.56	-2.20	15.21	<=34.77	Pass
		15	0	19.55	-2.20	15.20	<=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	24.43	-2.20	20.08	<=34.77	Pass
			13	24.33	-2.20	19.98	<=34.77	Pass
			24	24.41	-2.20	20.06	<=34.77	Pass
		12	0	23.53	-2.20	19.18	<=34.77	Pass
			6	23.44	-2.20	19.09	<=34.77	Pass
			13	23.41	-2.20	19.06	<=34.77	Pass
		25	0	23.44	-2.20	19.09	<=34.77	Pass
	707.5	1	0	24.38	-2.20	20.03	<=34.77	Pass
			13	24.35	-2.20	20.00	<=34.77	Pass
			24	24.50	-2.20	20.15	<=34.77	Pass
		12	0	23.39	-2.20	19.04	<=34.77	Pass
			6	23.35	-2.20	19.00	<=34.77	Pass
			13	23.46	-2.20	19.11	<=34.77	Pass
		25	0	23.38	-2.20	19.03	<=34.77	Pass
	713.5	1	0	24.18	-2.20	19.83	<=34.77	Pass
			13	24.42	-2.20	20.07	<=34.77	Pass
			24	24.24	-2.20	19.89	<=34.77	Pass
		12	0	23.48	-2.20	19.13	<=34.77	Pass
			6	23.34	-2.20	18.99	<=34.77	Pass
			13	23.40	-2.20	19.05	<=34.77	Pass
		25	0	23.46	-2.20	19.11	<=34.77	Pass
16QAM	701.5	1	0	23.66	-2.20	19.31	<=34.77	Pass
			13	23.59	-2.20	19.24	<=34.77	Pass
			24	23.69	-2.20	19.34	<=34.77	Pass
		12	0	22.64	-2.20	18.29	<=34.77	Pass
			6	22.17	-2.20	17.82	<=34.77	Pass
			13	22.53	-2.20	18.18	<=34.77	Pass
		25	0	22.51	-2.20	18.16	<=34.77	Pass
	707.5	1	0	23.78	-2.20	19.43	<=34.77	Pass
			13	23.40	-2.20	19.05	<=34.77	Pass
			24	23.70	-2.20	19.35	<=34.77	Pass
		12	0	22.59	-2.20	18.24	<=34.77	Pass
			6	22.19	-2.20	17.84	<=34.77	Pass
			13	22.44	-2.20	18.09	<=34.77	Pass
		25	0	22.44	-2.20	18.09	<=34.77	Pass
	713.5	1	0	23.47	-2.20	19.12	<=34.77	Pass
			13	23.30	-2.20	18.95	<=34.77	Pass
			24	23.33	-2.20	18.98	<=34.77	Pass
		12	0	22.48	-2.20	18.13	<=34.77	Pass

			6	22.57	-2.20	18.22	<=34.77	Pass		
			13	22.40	-2.20	18.05	<=34.77	Pass		
		25	0	22.38	-2.20	18.03	<=34.77	Pass		
64QAM	701.5	1	0	22.64	-2.20	18.29	<=34.77	Pass		
			13	22.46	-2.20	18.11	<=34.77	Pass		
			24	22.29	-2.20	17.94	<=34.77	Pass		
		12	0	21.63	-2.20	17.28	<=34.77	Pass		
			6	21.54	-2.20	17.19	<=34.77	Pass		
			13	21.57	-2.20	17.22	<=34.77	Pass		
		25	0	21.53	-2.20	17.18	<=34.77	Pass		
		707.5	1	0	22.35	-2.20	18.00	<=34.77	Pass	
				13	22.48	-2.20	18.13	<=34.77	Pass	
	24			22.46	-2.20	18.11	<=34.77	Pass		
	12		0	21.62	-2.20	17.27	<=34.77	Pass		
			6	21.58	-2.20	17.23	<=34.77	Pass		
			13	21.63	-2.20	17.28	<=34.77	Pass		
	25		0	21.51	-2.20	17.16	<=34.77	Pass		
	713.5		1	0	22.53	-2.20	18.18	<=34.77	Pass	
				13	21.97	-2.20	17.62	<=34.77	Pass	
		24		22.30	-2.20	17.95	<=34.77	Pass		
		12	0	21.70	-2.20	17.35	<=34.77	Pass		
			6	21.55	-2.20	17.20	<=34.77	Pass		
			13	21.49	-2.20	17.14	<=34.77	Pass		
		25	0	21.44	-2.20	17.09	<=34.77	Pass		
		256QAM	701.5	1	0	19.64	-2.20	15.29	<=34.77	Pass
					13	19.69	-2.20	15.34	<=34.77	Pass
	24				19.64	-2.20	15.29	<=34.77	Pass	
12	0			19.52	-2.20	15.17	<=34.77	Pass		
	6			19.32	-2.20	14.97	<=34.77	Pass		
	13			19.38	-2.20	15.03	<=34.77	Pass		
25	0			19.58	-2.20	15.23	<=34.77	Pass		
707.5	1			0	19.66	-2.20	15.31	<=34.77	Pass	
				13	19.53	-2.20	15.18	<=34.77	Pass	
			24	19.66	-2.20	15.31	<=34.77	Pass		
	12		0	19.58	-2.20	15.23	<=34.77	Pass		
			6	19.46	-2.20	15.11	<=34.77	Pass		
			13	19.58	-2.20	15.23	<=34.77	Pass		
	25		0	19.61	-2.20	15.26	<=34.77	Pass		
	713.5		1	0	19.66	-2.20	15.31	<=34.77	Pass	
				13	19.53	-2.20	15.18	<=34.77	Pass	
24				19.39	-2.20	15.04	<=34.77	Pass		
12			0	19.63	-2.20	15.28	<=34.77	Pass		
			6	19.55	-2.20	15.20	<=34.77	Pass		
			13	19.50	-2.20	15.15	<=34.77	Pass		
25			0	19.51	-2.20	15.16	<=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	24.58	-2.20	20.23	<=34.77	Pass
			25	24.46	-2.20	20.11	<=34.77	Pass
			49	24.52	-2.20	20.17	<=34.77	Pass
		25	0	23.65	-2.20	19.30	<=34.77	Pass
			13	23.39	-2.20	19.04	<=34.77	Pass

			25	23.48	-2.20	19.13	<=34.77	Pass
		50	0	23.47	-2.20	19.12	<=34.77	Pass
	707.5	1	0	24.61	-2.20	20.26	<=34.77	Pass
			25	24.29	-2.20	19.94	<=34.77	Pass
			49	24.39	-2.20	20.04	<=34.77	Pass
		25	0	23.49	-2.20	19.14	<=34.77	Pass
			13	23.40	-2.20	19.05	<=34.77	Pass
			25	23.47	-2.20	19.12	<=34.77	Pass
		50	0	23.45	-2.20	19.10	<=34.77	Pass
	711	1	0	24.68	-2.20	20.33	<=34.77	Pass
			25	24.42	-2.20	20.07	<=34.77	Pass
			49	24.43	-2.20	20.08	<=34.77	Pass
		25	0	23.39	-2.20	19.04	<=34.77	Pass
			13	23.39	-2.20	19.04	<=34.77	Pass
			25	23.36	-2.20	19.01	<=34.77	Pass
		50	0	23.28	-2.20	18.93	<=34.77	Pass
16QAM	704	1	0	23.26	-2.20	18.91	<=34.77	Pass
			25	23.34	-2.20	18.99	<=34.77	Pass
			49	23.36	-2.20	19.01	<=34.77	Pass
		25	0	22.50	-2.20	18.15	<=34.77	Pass
			13	22.41	-2.20	18.06	<=34.77	Pass
			25	22.45	-2.20	18.10	<=34.77	Pass
		50	0	22.37	-2.20	18.02	<=34.77	Pass
	707.5	1	0	23.68	-2.20	19.33	<=34.77	Pass
			25	23.65	-2.20	19.30	<=34.77	Pass
			49	23.69	-2.20	19.34	<=34.77	Pass
		25	0	22.47	-2.20	18.12	<=34.77	Pass
			13	22.48	-2.20	18.13	<=34.77	Pass
			25	22.50	-2.20	18.15	<=34.77	Pass
		50	0	22.58	-2.20	18.23	<=34.77	Pass
	711	1	0	23.87	-2.20	19.52	<=34.77	Pass
			25	23.58	-2.20	19.23	<=34.77	Pass
			49	23.84	-2.20	19.49	<=34.77	Pass
		25	0	22.44	-2.20	18.09	<=34.77	Pass
			13	22.47	-2.20	18.12	<=34.77	Pass
			25	22.49	-2.20	18.14	<=34.77	Pass
		50	0	22.37	-2.20	18.02	<=34.77	Pass
64QAM	704	1	0	22.43	-2.20	18.08	<=34.77	Pass
			25	22.56	-2.20	18.21	<=34.77	Pass
			49	22.06	-2.20	17.71	<=34.77	Pass
		25	0	21.70	-2.20	17.35	<=34.77	Pass
			13	21.57	-2.20	17.22	<=34.77	Pass
			25	21.61	-2.20	17.26	<=34.77	Pass
		50	0	21.44	-2.20	17.09	<=34.77	Pass
	707.5	1	0	22.85	-2.20	18.50	<=34.77	Pass
			25	22.53	-2.20	18.18	<=34.77	Pass
			49	22.52	-2.20	18.17	<=34.77	Pass
		25	0	21.56	-2.20	17.21	<=34.77	Pass
			13	21.56	-2.20	17.21	<=34.77	Pass
			25	21.65	-2.20	17.30	<=34.77	Pass
		50	0	21.66	-2.20	17.31	<=34.77	Pass
	711	1	0	22.56	-2.20	18.21	<=34.77	Pass
			25	22.40	-2.20	18.05	<=34.77	Pass
			49	22.62	-2.20	18.27	<=34.77	Pass
		25	0	21.49	-2.20	17.14	<=34.77	Pass
			13	21.56	-2.20	17.21	<=34.77	Pass
			25	21.47	-2.20	17.12	<=34.77	Pass
		50	0	21.47	-2.20	17.12	<=34.77	Pass
256QAM	704	1	0	19.83	-2.20	15.48	<=34.77	Pass

			25	19.65	-2.20	15.30	<=34.77	Pass
			49	19.37	-2.20	15.02	<=34.77	Pass
		25	0	19.68	-2.20	15.33	<=34.77	Pass
			13	19.48	-2.20	15.13	<=34.77	Pass
			25	19.60	-2.20	15.25	<=34.77	Pass
		50	0	19.50	-2.20	15.15	<=34.77	Pass
	707.5	1	0	19.77	-2.20	15.42	<=34.77	Pass
			25	19.61	-2.20	15.26	<=34.77	Pass
			49	19.68	-2.20	15.33	<=34.77	Pass
		25	0	19.68	-2.20	15.33	<=34.77	Pass
			13	19.53	-2.20	15.18	<=34.77	Pass
			25	19.57	-2.20	15.22	<=34.77	Pass
	50	0	19.62	-2.20	15.27	<=34.77	Pass	
	711	1	0	19.71	-2.20	15.36	<=34.77	Pass
			25	19.61	-2.20	15.26	<=34.77	Pass
			49	19.70	-2.20	15.35	<=34.77	Pass
		25	0	19.45	-2.20	15.10	<=34.77	Pass
			13	19.56	-2.20	15.21	<=34.77	Pass
			25	19.43	-2.20	15.08	<=34.77	Pass
	50	0	19.38	-2.20	15.03	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	707.5	50	0	20	LV	-1.903	-0.0027	-2.5 to 2.5	Pass
					NV	-3.133	-0.0044	-2.5 to 2.5	Pass
					HV	-0.944	-0.0013	-2.5 to 2.5	Pass
				-30	NV	-2.317	-0.0033	-2.5 to 2.5	Pass
				-20	NV	-0.529	-0.0007	-2.5 to 2.5	Pass
				-10	NV	-3.090	-0.0044	-2.5 to 2.5	Pass
				0	NV	-1.531	-0.0022	-2.5 to 2.5	Pass
				10	NV	-0.572	-0.0008	-2.5 to 2.5	Pass
				30	NV	-2.961	-0.0042	-2.5 to 2.5	Pass
				40	NV	-2.260	-0.0032	-2.5 to 2.5	Pass
50	NV	-2.332	-0.0033	-2.5 to 2.5	Pass				

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.109	/	Pass

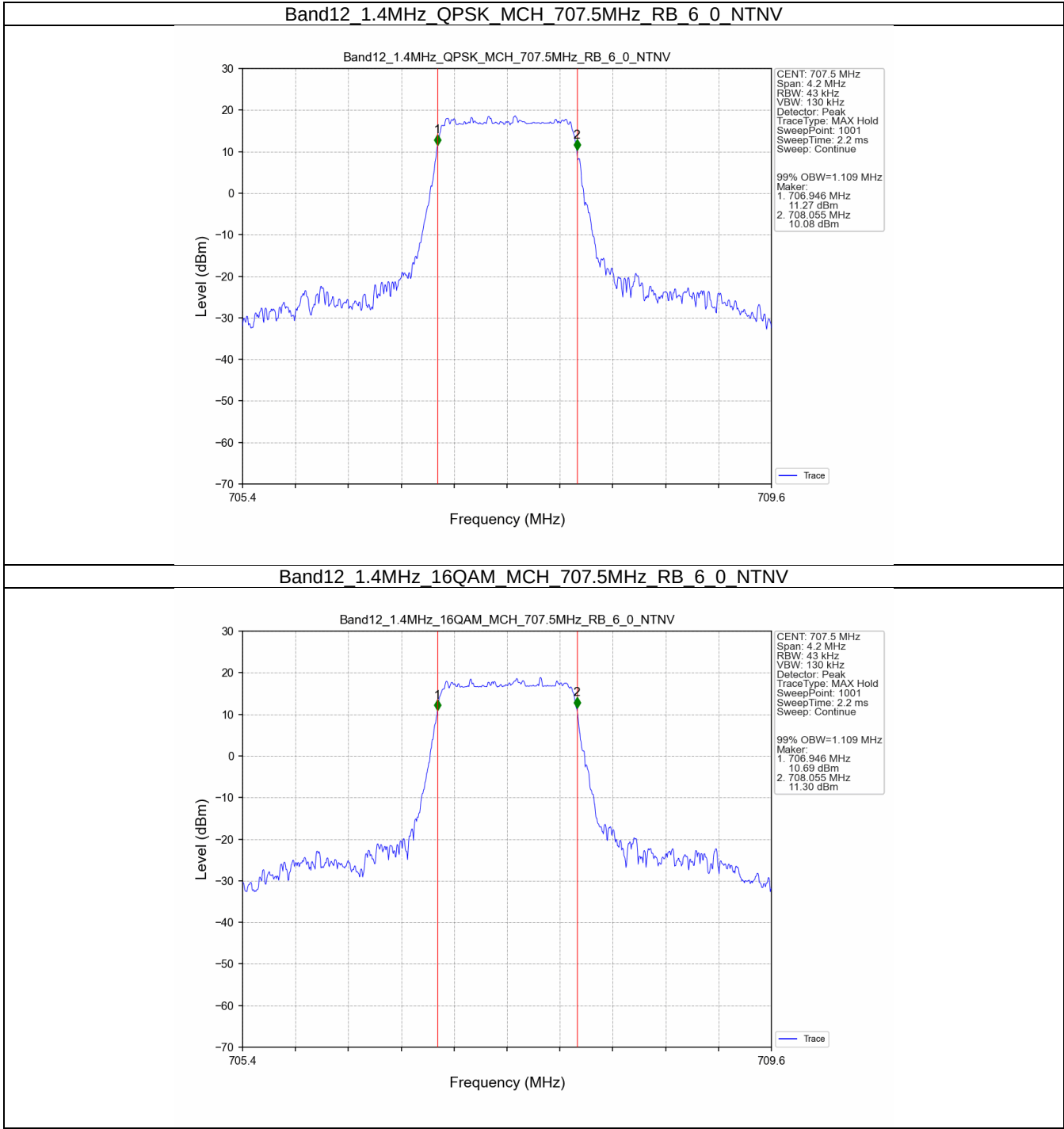
	16QAM	707.5	6	0	1.109	/	Pass
3	QPSK	707.5	15	0	2.740	/	Pass
	16QAM	707.5	15	0	2.744	/	Pass
5	QPSK	707.5	25	0	4.542	/	Pass
	16QAM	707.5	25	0	4.544	/	Pass
10	QPSK	707.5	50	0	9.117	/	Pass
	16QAM	707.5	50	0	9.067	/	Pass

3.1.2 Band12_XDB

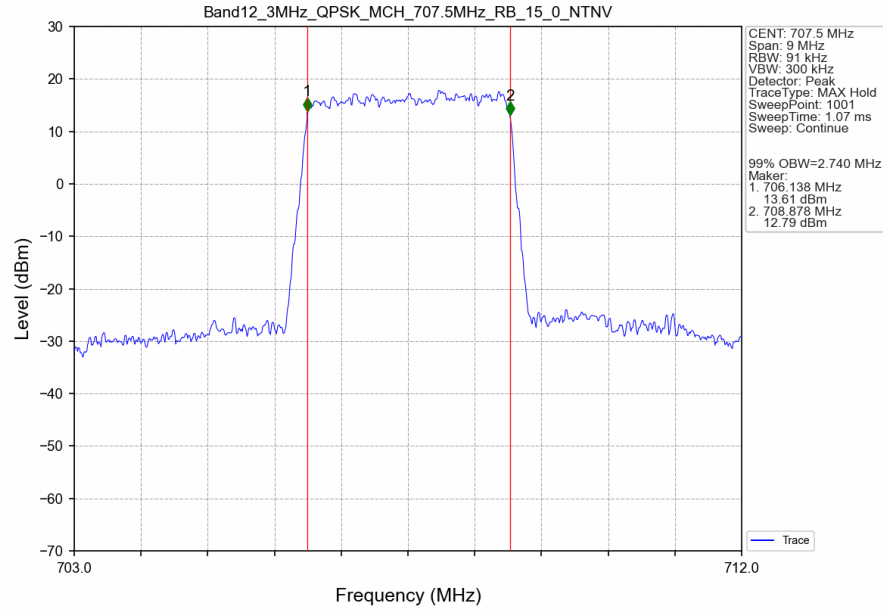
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.328	/	Pass
	16QAM	707.5	6	0	1.313	/	Pass
3	QPSK	707.5	15	0	3.027	/	Pass
	16QAM	707.5	15	0	3.019	/	Pass
5	QPSK	707.5	25	0	5.054	/	Pass
	16QAM	707.5	25	0	5.091	/	Pass
10	QPSK	707.5	50	0	10.125	/	Pass
	16QAM	707.5	50	0	9.958	/	Pass

3.2 Test Graph

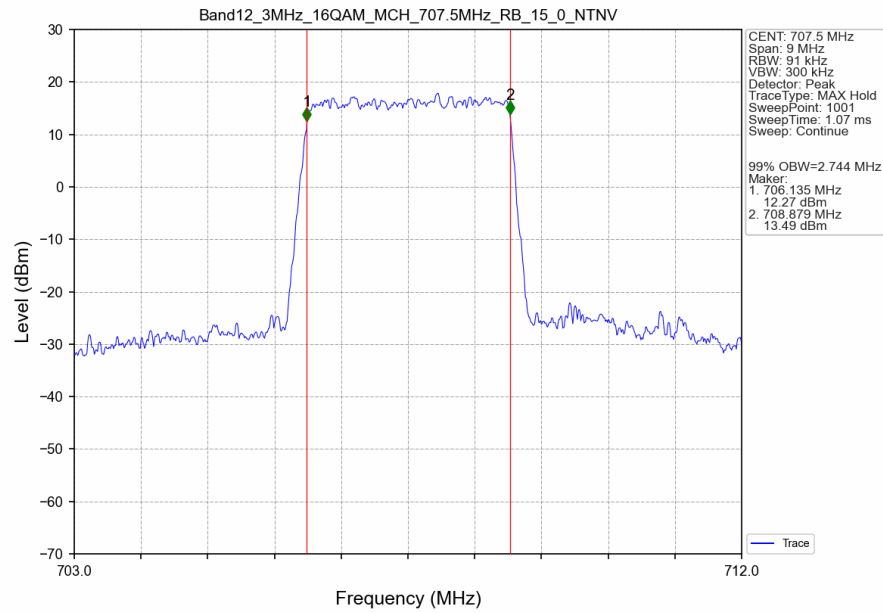
3.2.1 Band12_OBW



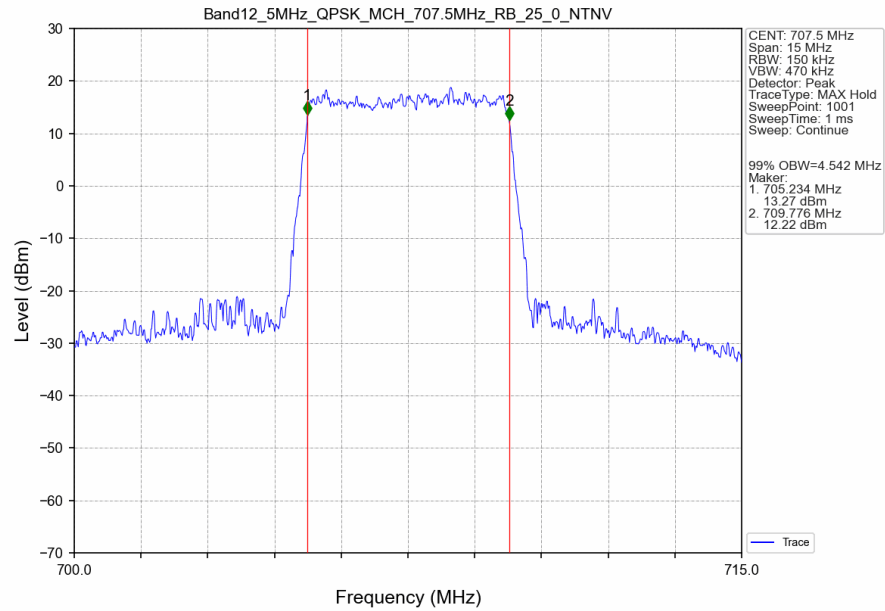
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



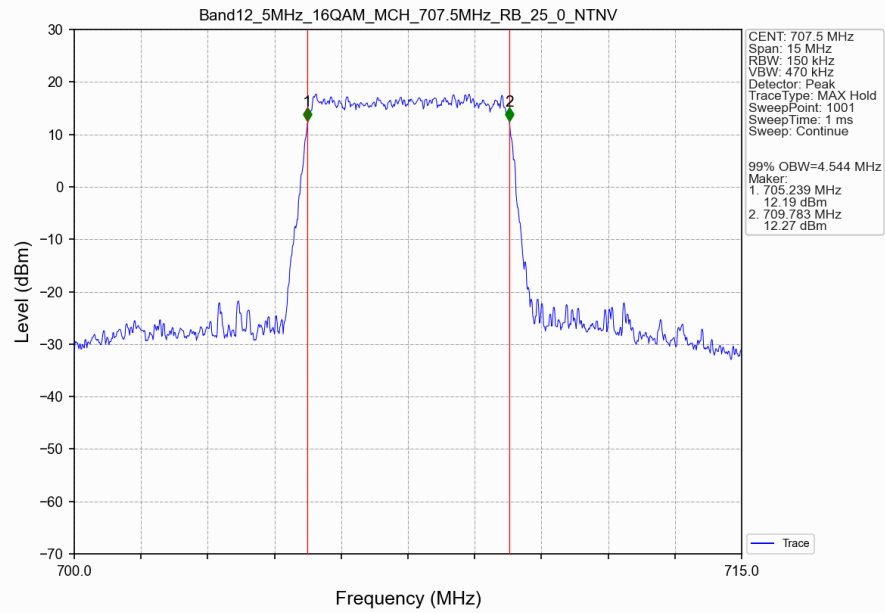
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



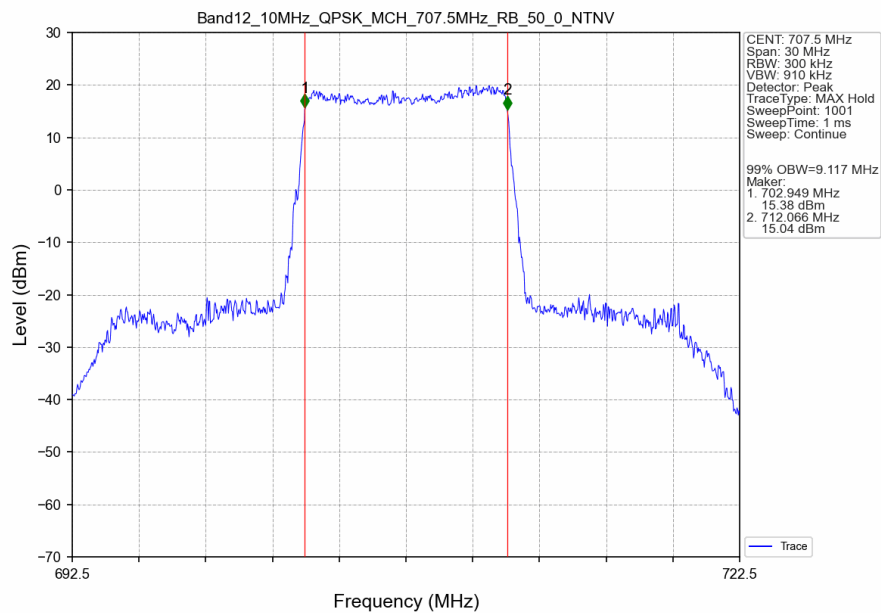
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



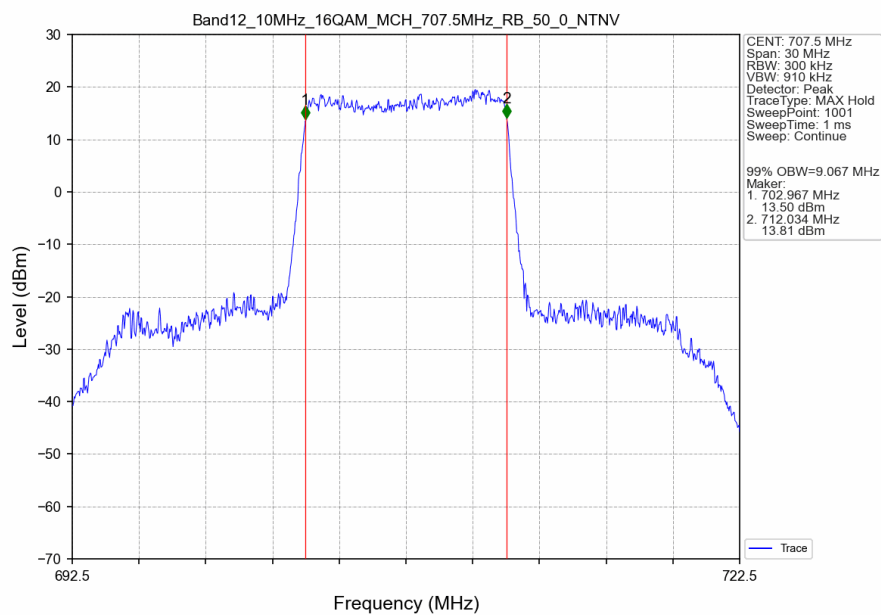
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



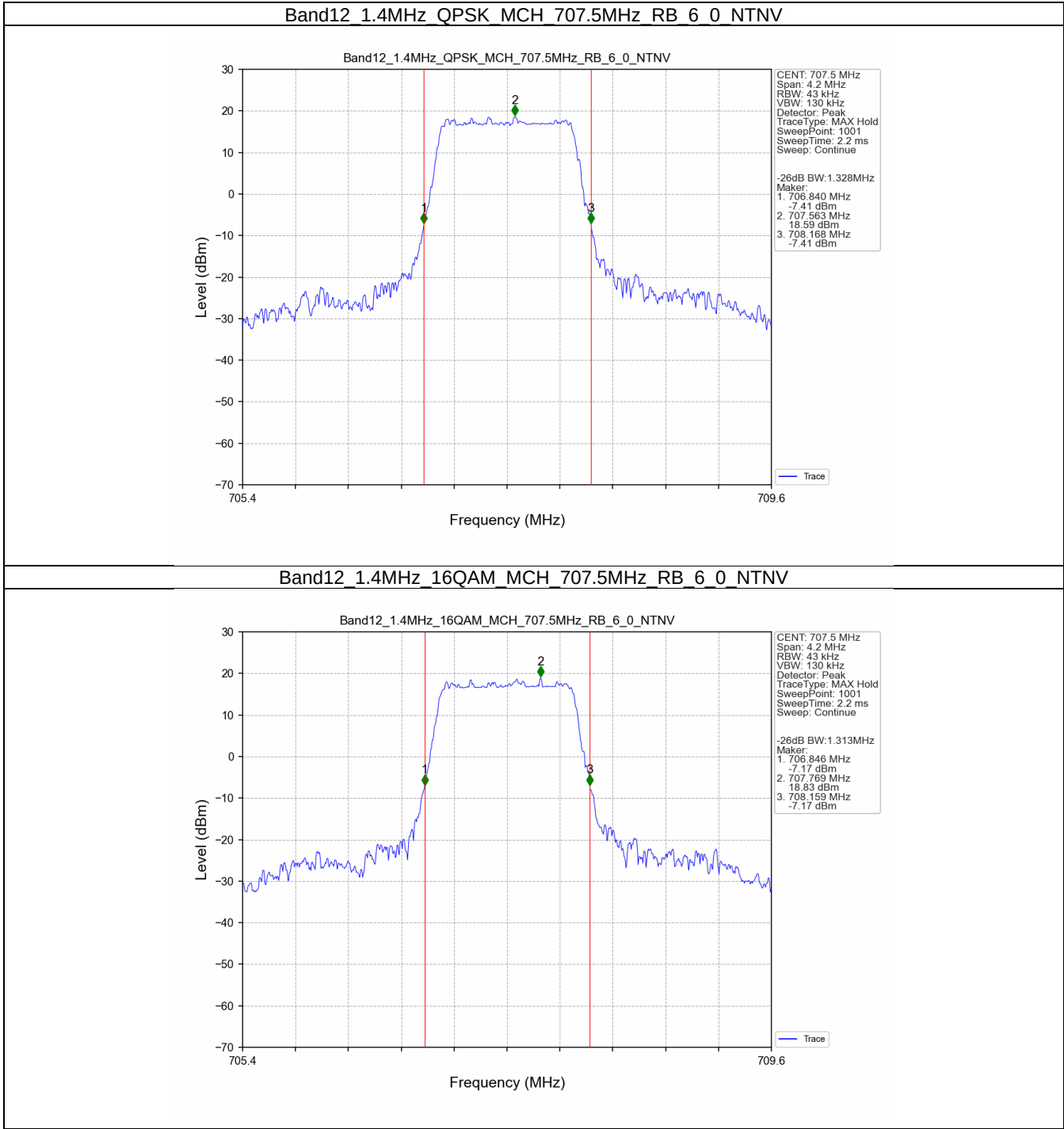
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

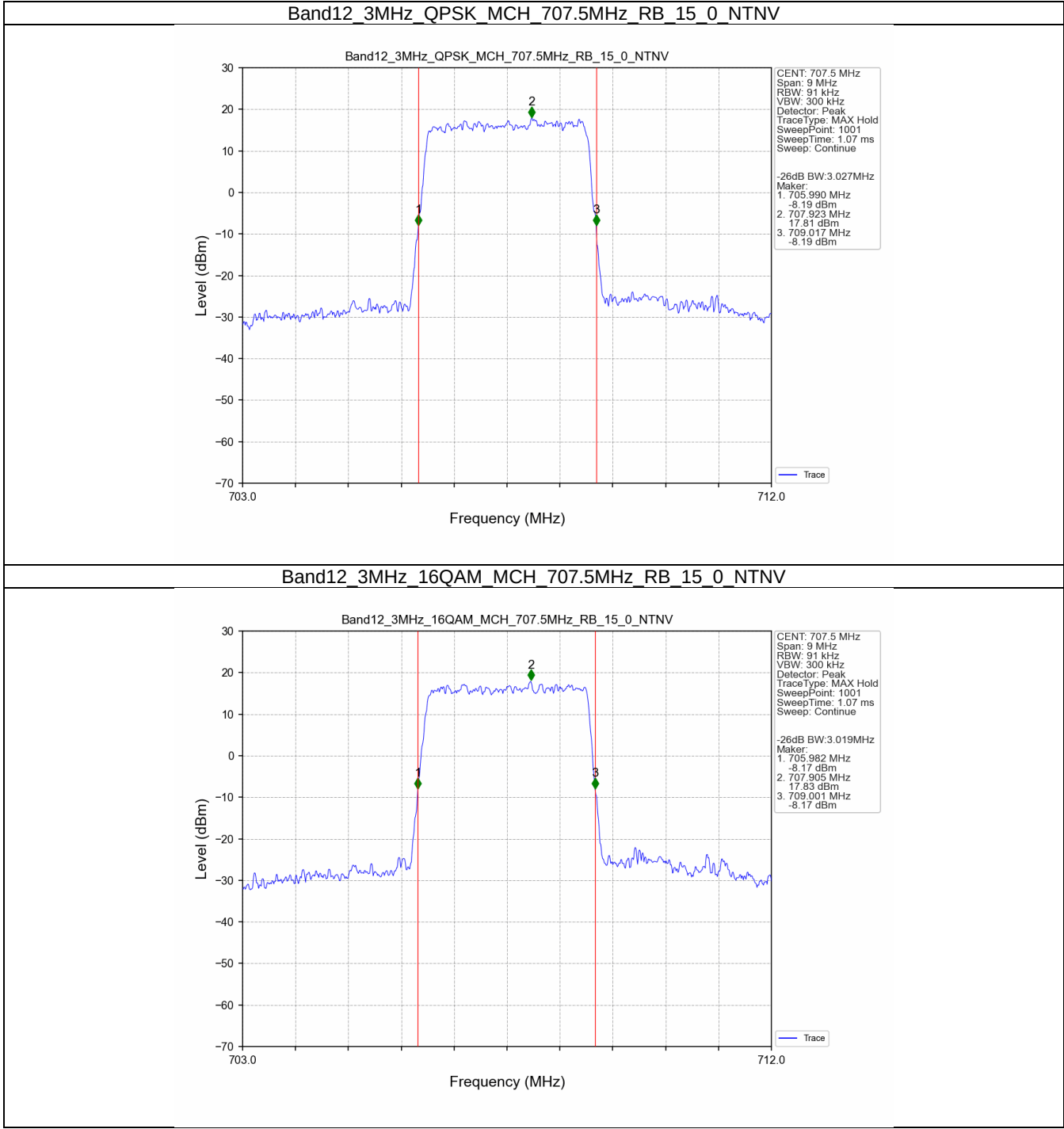


Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

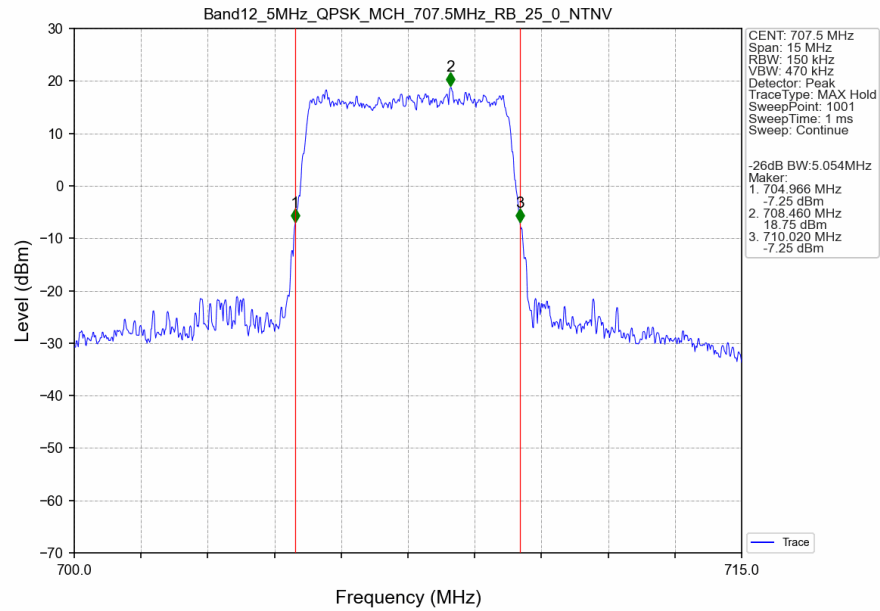


3.2.2 Band12_XDB

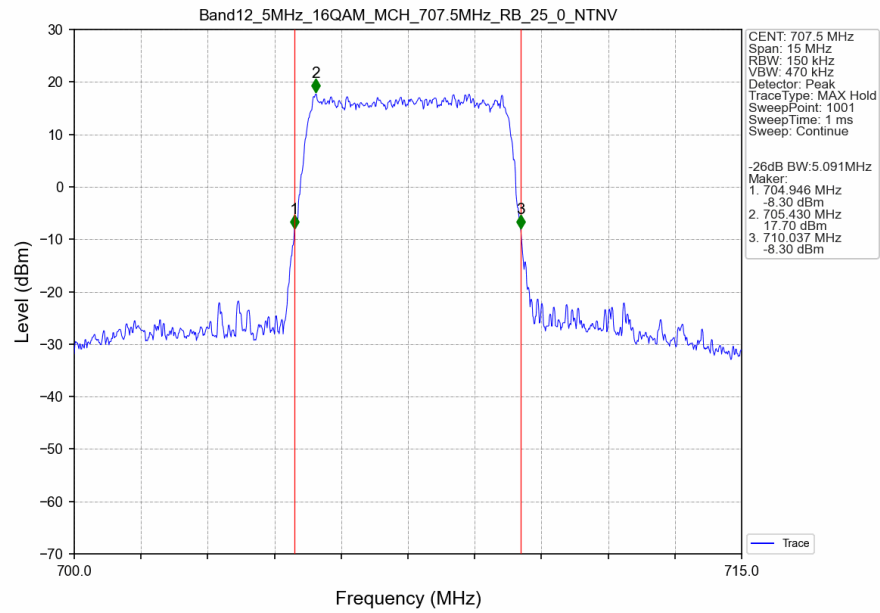




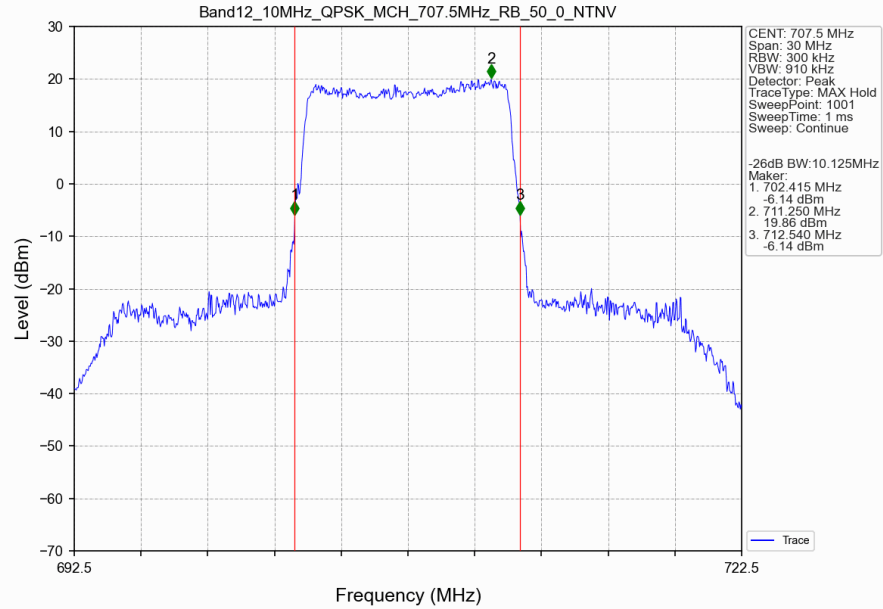
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



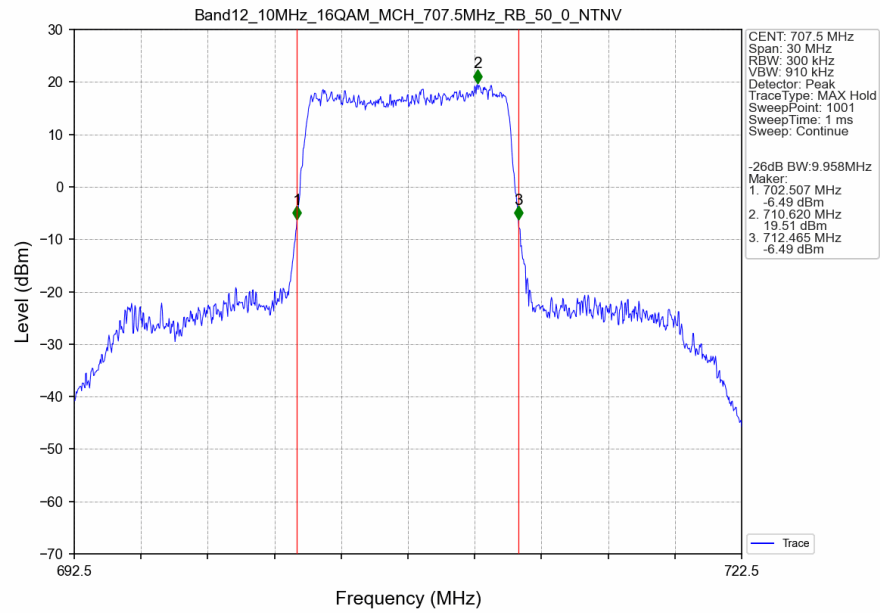
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

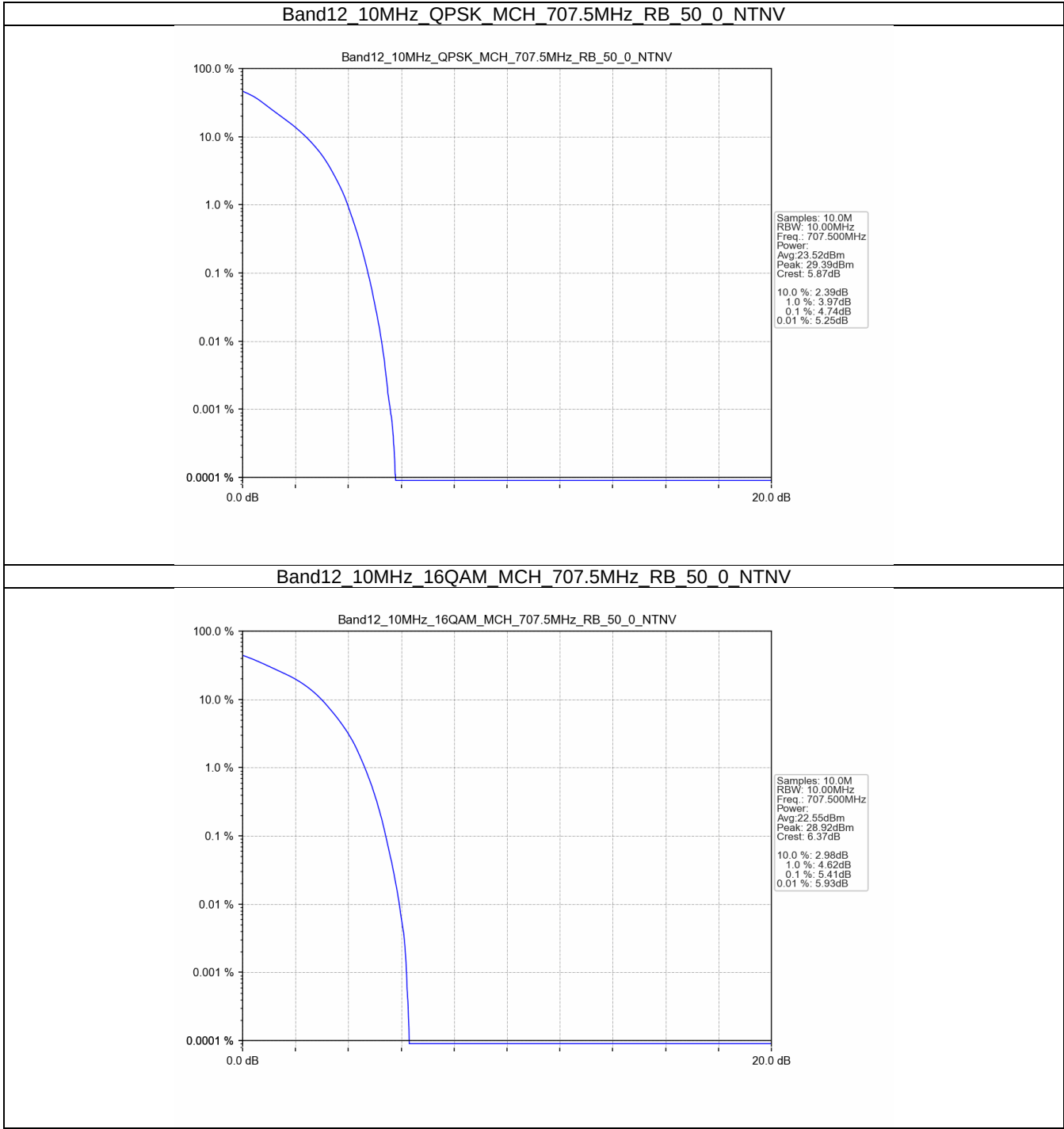
4.1 Test Result

4.1.1 B12_10MHz

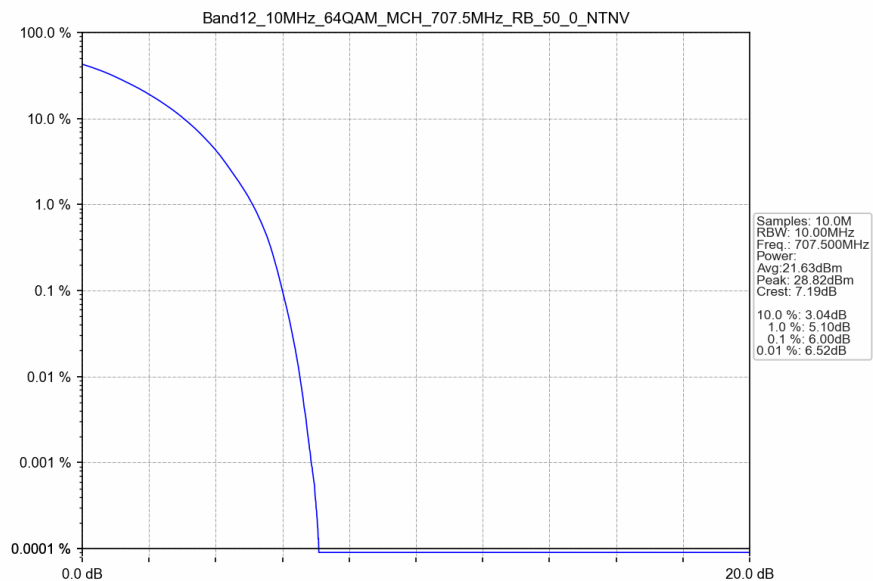
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	4.74	<=13	Pass
16QAM	707.5	50	0	5.41	<=13	Pass
64QAM	707.5	50	0	6.00	<=13	Pass
256QAM	707.5	50	0	6.61	<=13	Pass

4.2 Test Graph

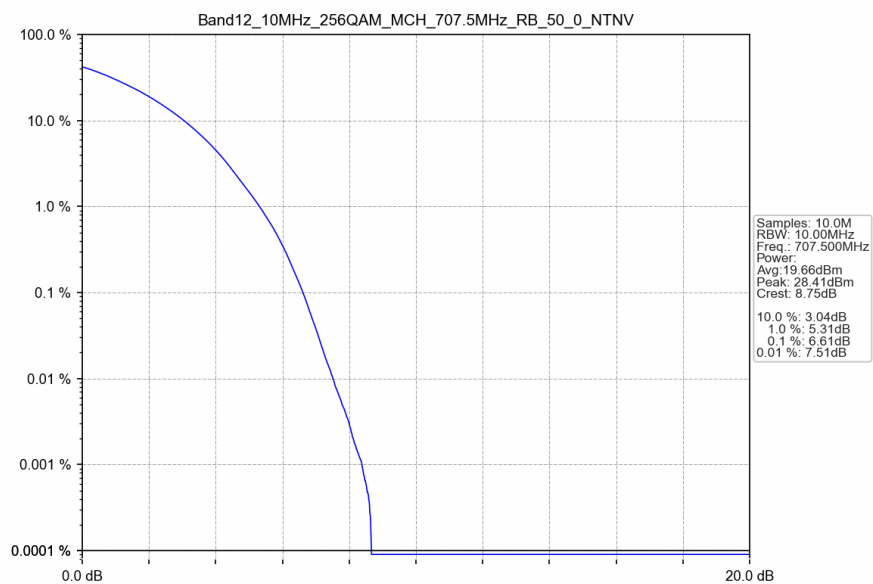
4.2.1 B12_10MHz



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 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	
			5	Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTV						
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

5.1.3 B12_5MHz

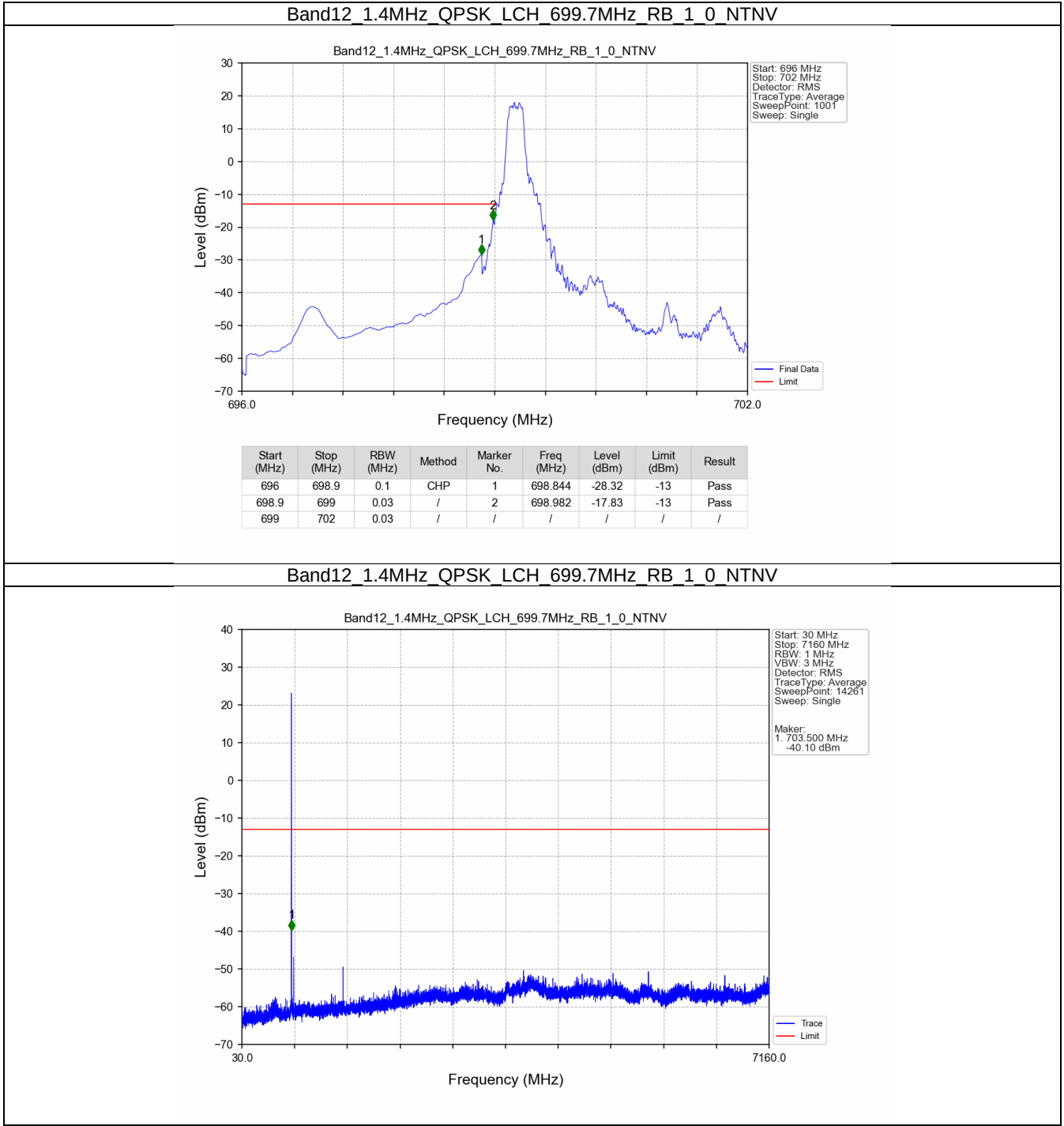
Band: 12 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B12_10MHz

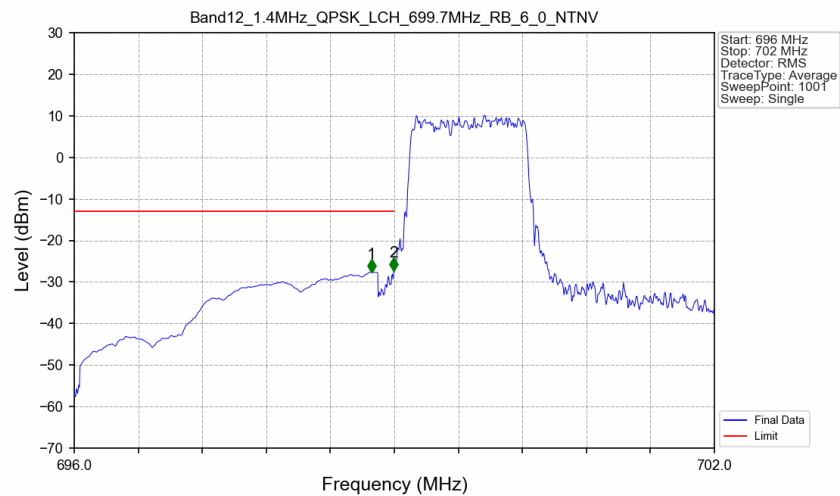
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B12_1.4MHz

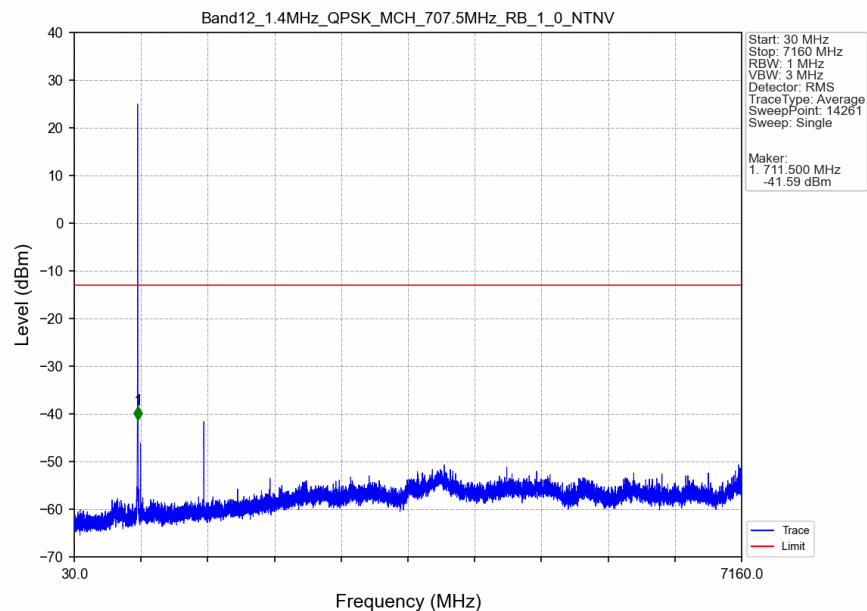


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

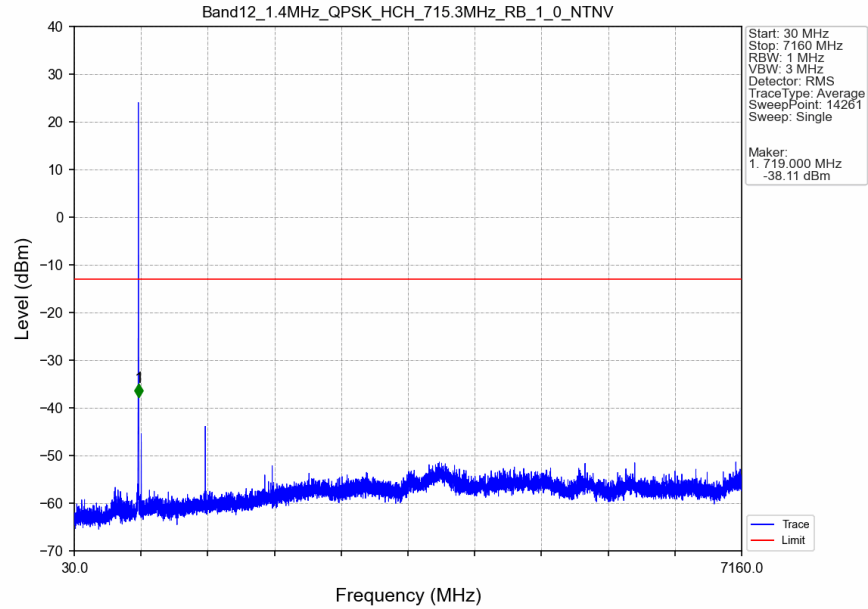


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.784	-27.63	-13	Pass
698.9	699	0.03	/	2	698.994	-27.37	-13	Pass
699	702	0.03	/	/	/	/	/	/

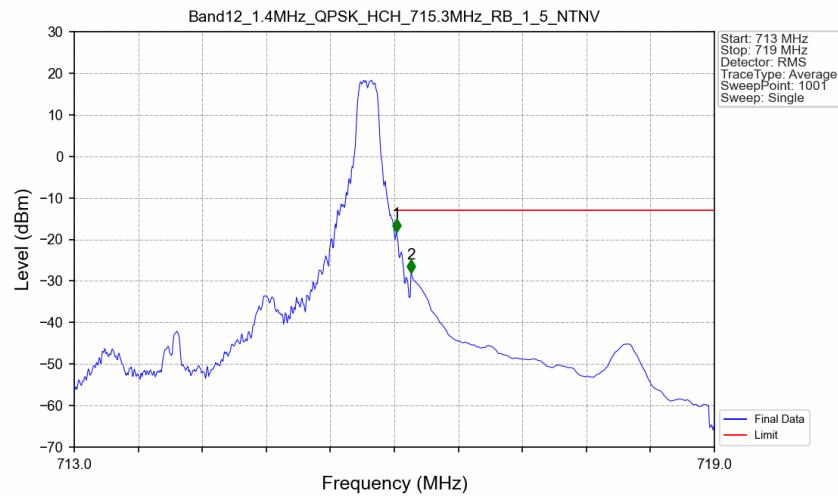
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

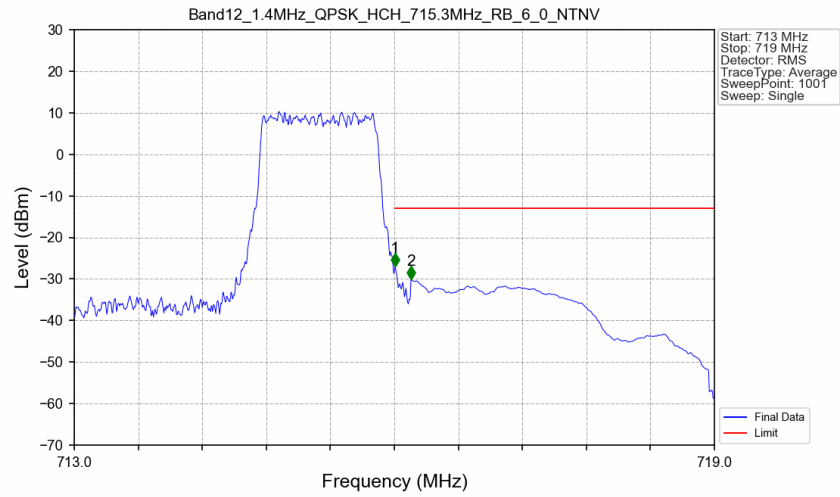


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



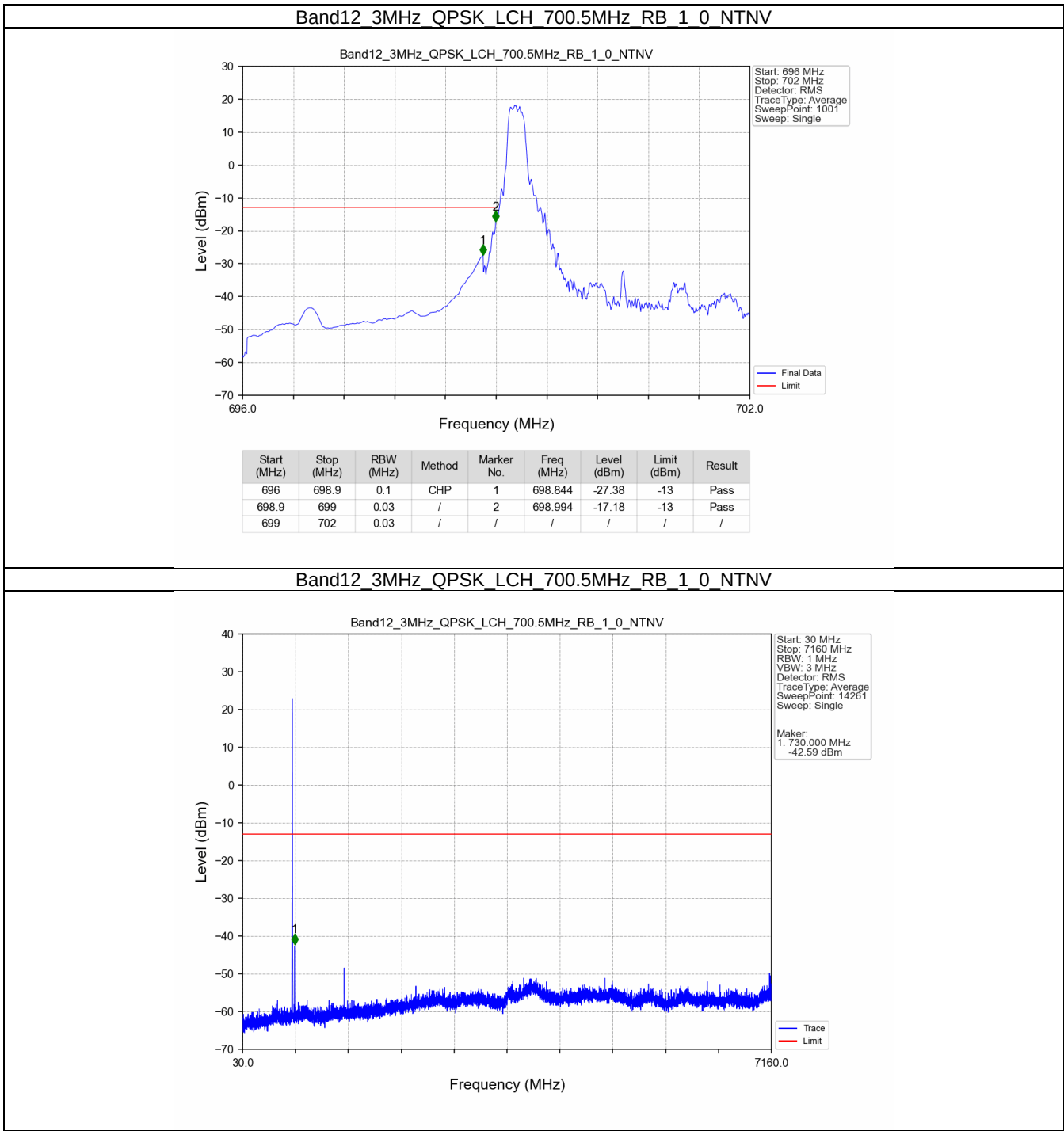
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-18.14	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.02	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

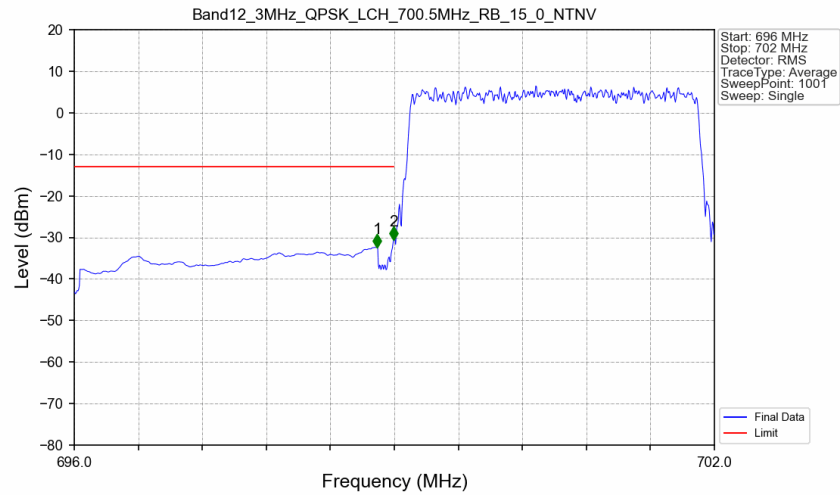


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-26.91	-13	Pass
716.1	719	0.1	CHP	2	716.156	-30.10	-13	Pass

5.2.2 B12_3MHz

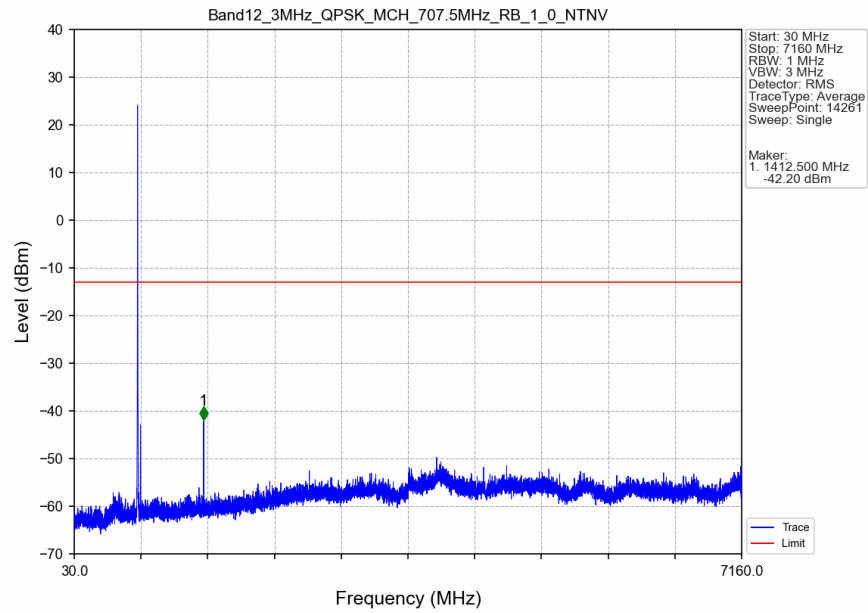


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

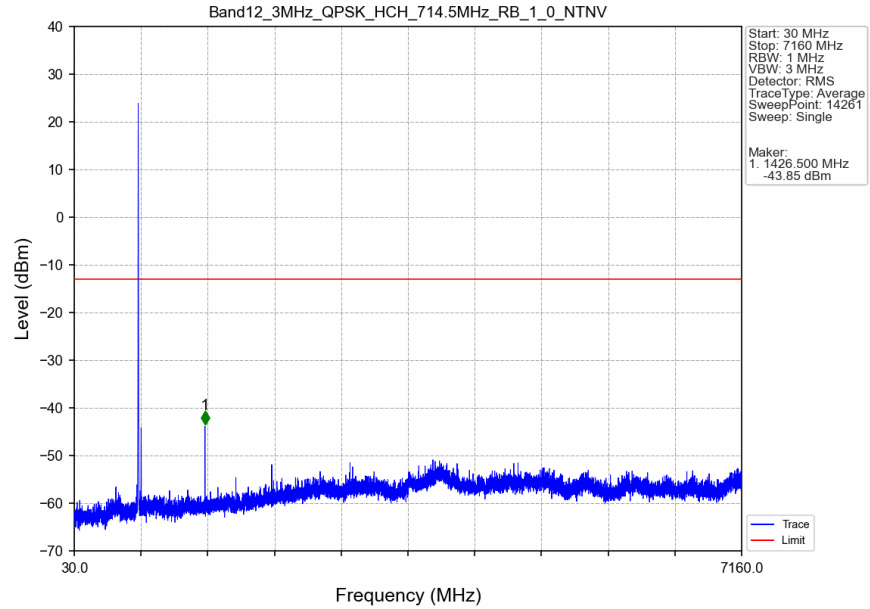


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.838	-32.32	-13	Pass
698.9	699	0.03	/	2	698.994	-30.57	-13	Pass
699	702	0.03	/	/	/	/	/	/

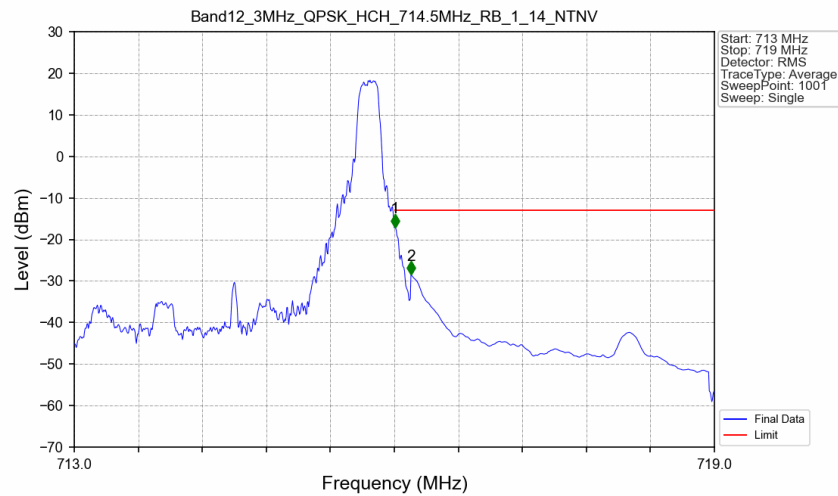
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

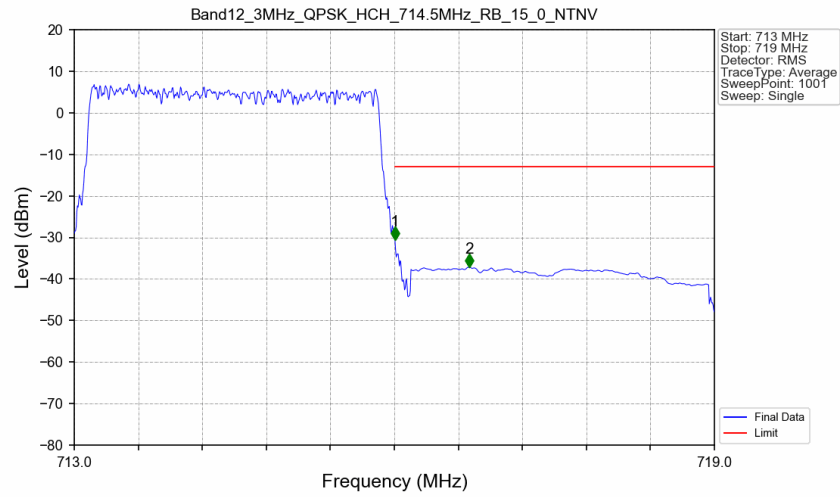


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



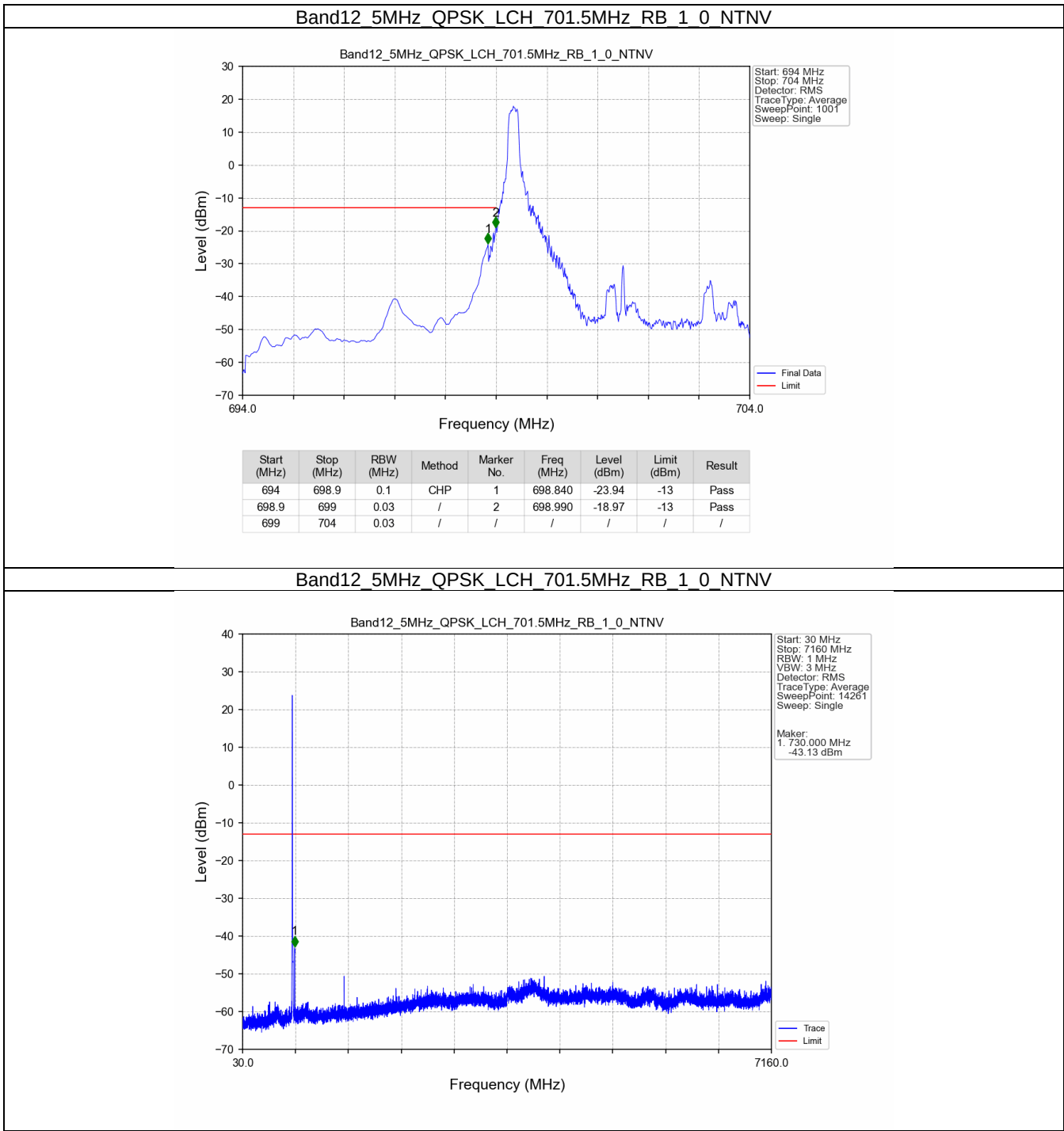
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-17.03	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.43	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV

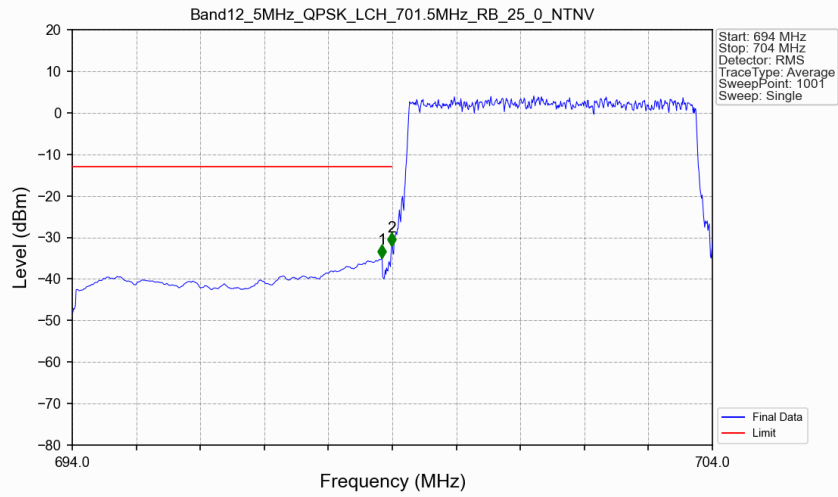


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-30.66	-13	Pass
716.1	719	0.1	CHP	2	716.702	-37.17	-13	Pass

5.2.3 B12_5MHz

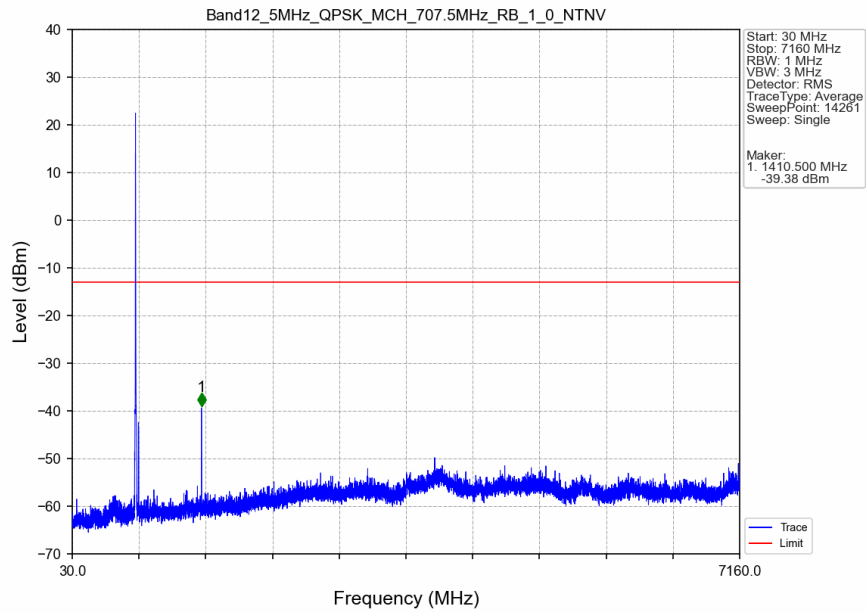


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

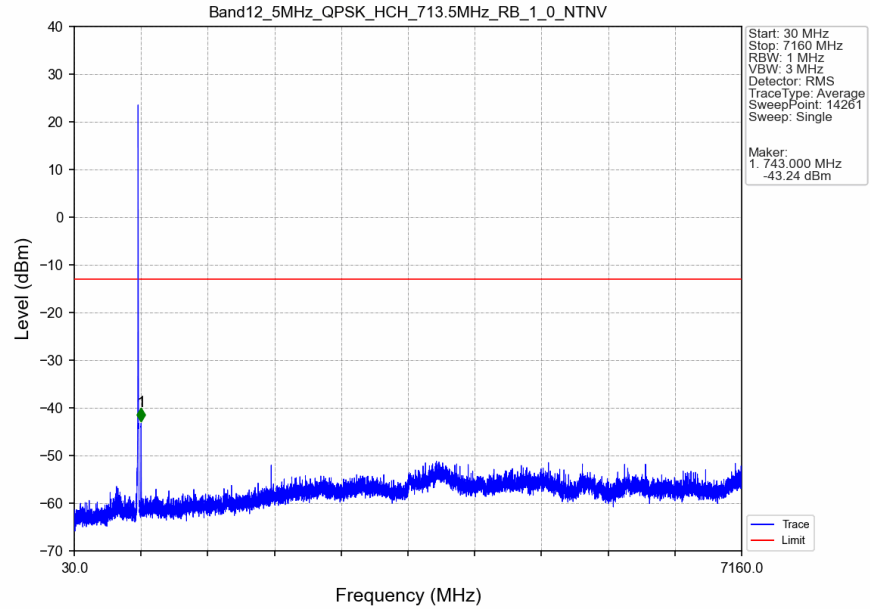


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-34.98	-13	Pass
698.9	699	0.03	/	2	698.990	-32.00	-13	Pass
699	704	0.03	/	/	/	/	/	/

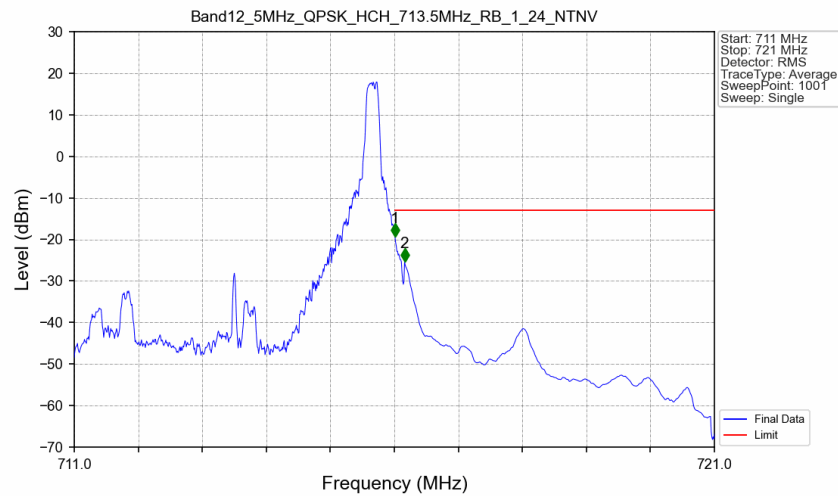
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

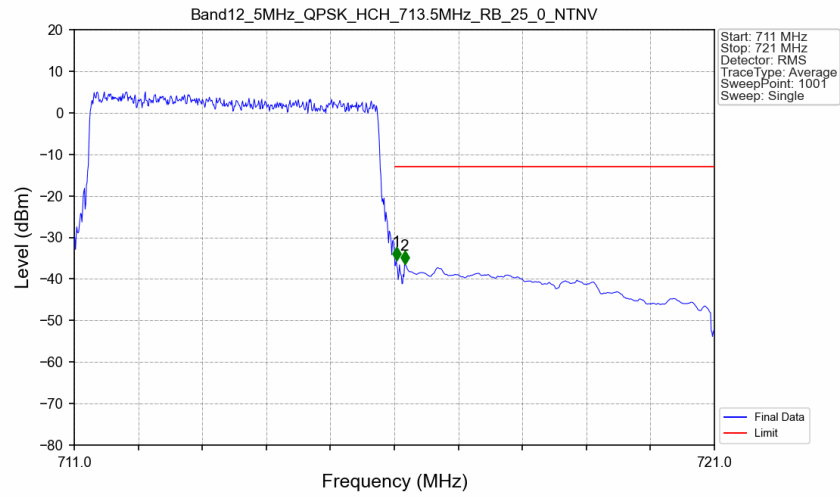


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



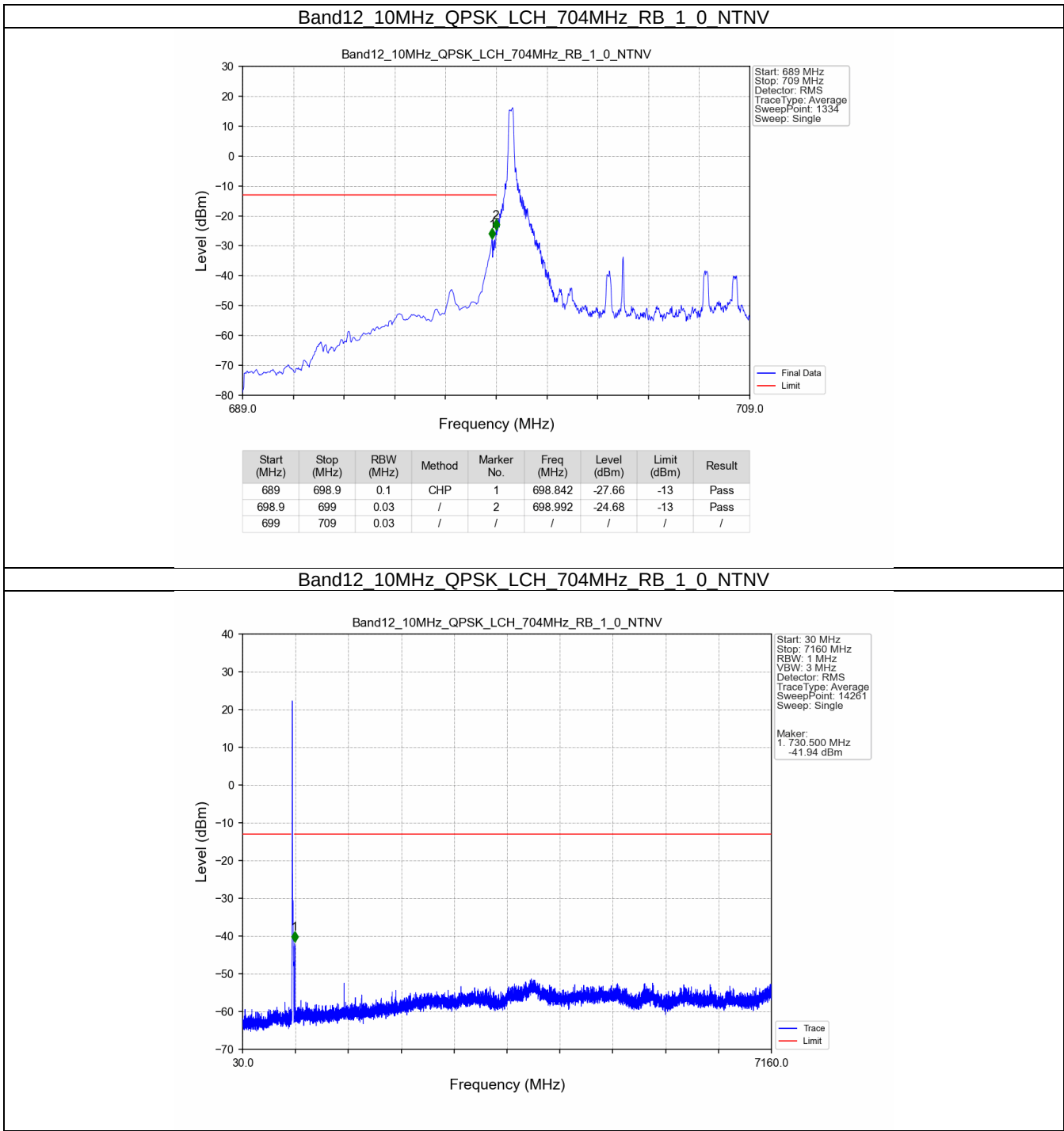
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-19.28	-13	Pass
716.1	721	0.1	CHP	2	716.160	-25.37	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

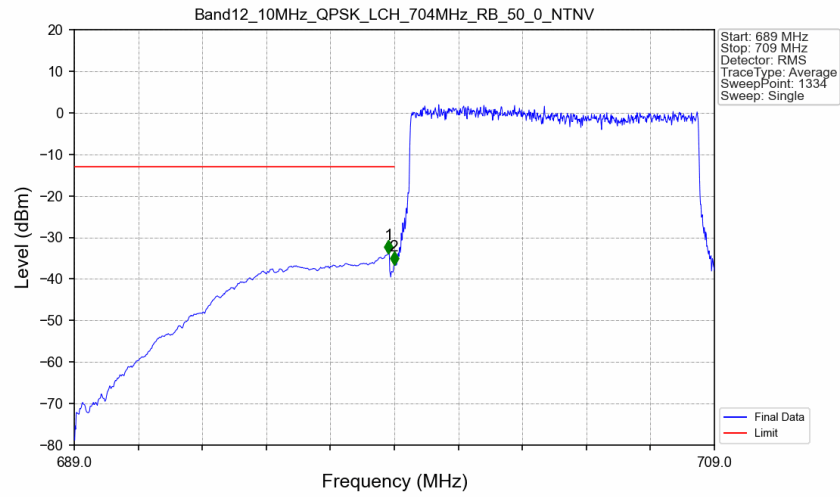


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-35.44	-13	Pass
716.1	721	0.1	CHP	2	716.160	-36.35	-13	Pass

5.2.4 B12_10MHz

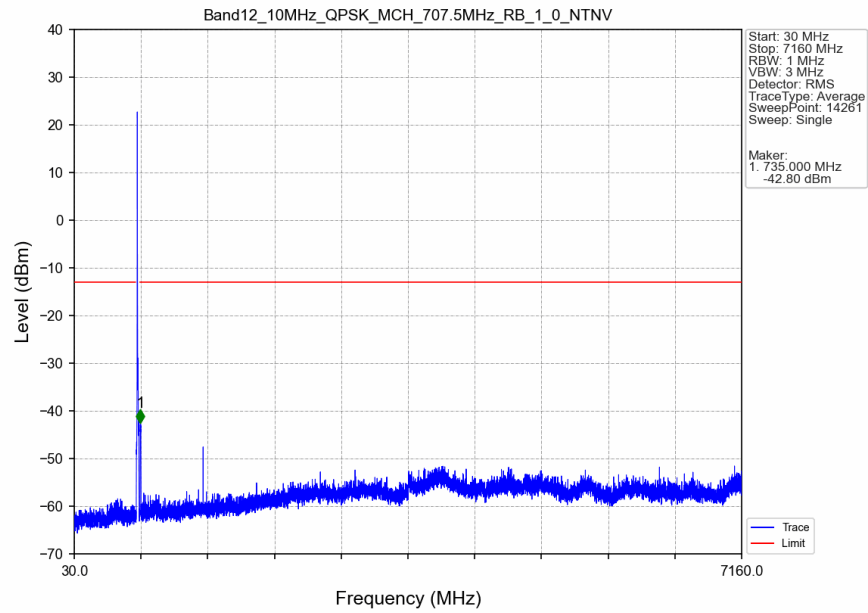


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

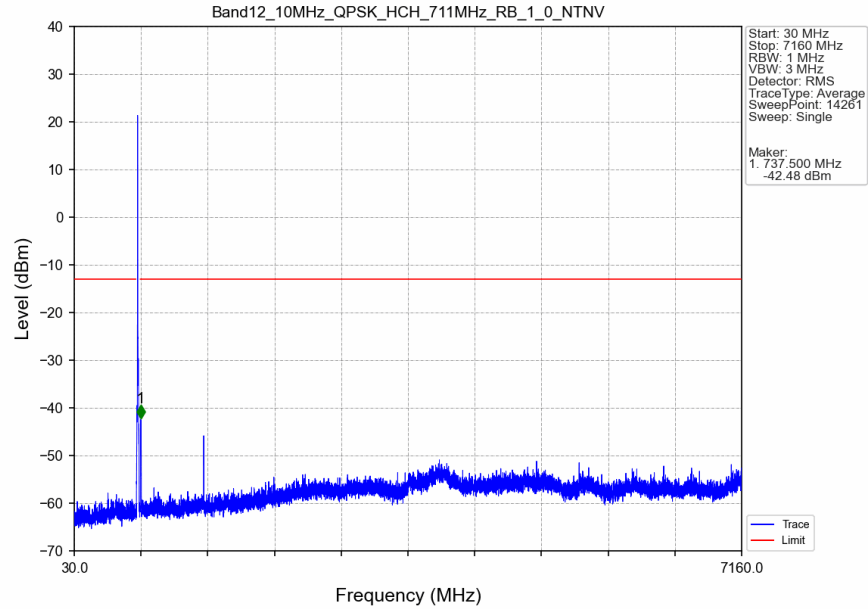


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.812	-33.89	-13	Pass
698.9	699	0.03	/	2	698.992	-36.60	-13	Pass
699	709	0.03	/	/	/	/	/	/

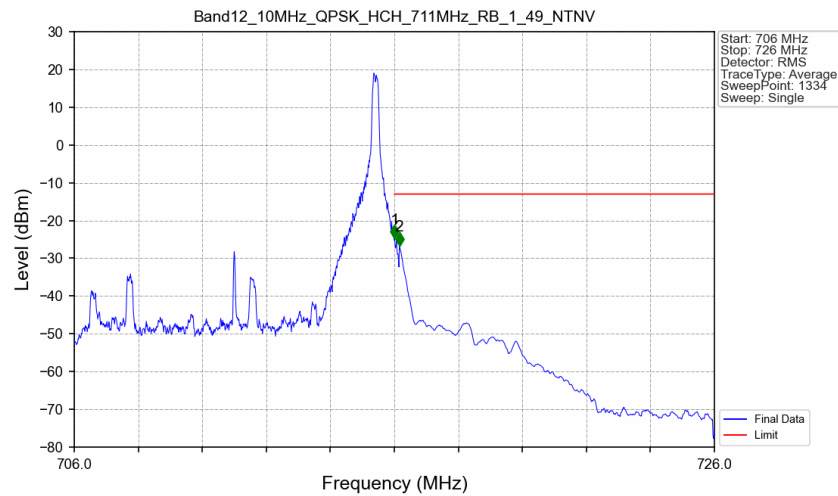
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



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	-24.62	-13	Pass
716.1	726	0.1	CHP	2	716.158	-26.54	-13	Pass

