

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	23.03	-1.50	19.38	<=34.77	Pass
			2	23.06	-1.50	19.41	<=34.77	Pass
			5	23.14	-1.50	19.49	<=34.77	Pass
		3	0	23.14	-1.50	19.49	<=34.77	Pass
			2	23.05	-1.50	19.40	<=34.77	Pass
			3	23.07	-1.50	19.42	<=34.77	Pass
		6	0	22.00	-1.50	18.35	<=34.77	Pass
	707.5	1	0	22.63	-1.50	18.98	<=34.77	Pass
			2	23.10	-1.50	19.45	<=34.77	Pass
			5	22.76	-1.50	19.11	<=34.77	Pass
		3	0	23.04	-1.50	19.39	<=34.77	Pass
			2	22.80	-1.50	19.15	<=34.77	Pass
			3	22.97	-1.50	19.32	<=34.77	Pass
		6	0	22.04	-1.50	18.39	<=34.77	Pass
	715.3	1	0	22.61	-1.50	18.96	<=34.77	Pass
			2	23.07	-1.50	19.42	<=34.77	Pass
			5	22.91	-1.50	19.26	<=34.77	Pass
		3	0	23.04	-1.50	19.39	<=34.77	Pass
			2	22.76	-1.50	19.11	<=34.77	Pass
			3	22.91	-1.50	19.26	<=34.77	Pass
		6	0	22.01	-1.50	18.36	<=34.77	Pass
16QAM	699.7	1	0	22.24	-1.50	18.59	<=34.77	Pass
			2	22.62	-1.50	18.97	<=34.77	Pass
			5	22.39	-1.50	18.74	<=34.77	Pass
		3	0	22.13	-1.50	18.48	<=34.77	Pass
			2	22.18	-1.50	18.53	<=34.77	Pass
			3	22.34	-1.50	18.69	<=34.77	Pass
		6	0	21.12	-1.50	17.47	<=34.77	Pass
	707.5	1	0	22.42	-1.50	18.77	<=34.77	Pass
			2	22.39	-1.50	18.74	<=34.77	Pass
			5	22.31	-1.50	18.66	<=34.77	Pass
		3	0	22.25	-1.50	18.60	<=34.77	Pass
			2	21.88	-1.50	18.23	<=34.77	Pass
			3	22.09	-1.50	18.44	<=34.77	Pass
		6	0	21.13	-1.50	17.48	<=34.77	Pass
	715.3	1	0	22.50	-1.50	18.85	<=34.77	Pass
			2	22.42	-1.50	18.77	<=34.77	Pass
			5	22.47	-1.50	18.82	<=34.77	Pass
		3	0	22.19	-1.50	18.54	<=34.77	Pass
			2	22.03	-1.50	18.38	<=34.77	Pass
			3	22.39	-1.50	18.74	<=34.77	Pass
		6	0	21.15	-1.50	17.50	<=34.77	Pass
64QAM	699.7	1	0	22.20	-1.50	18.55	<=34.77	Pass
			2	22.12	-1.50	18.47	<=34.77	Pass
			5	11.91	-1.50	8.26	<=34.77	Pass
		3	0	22.07	-1.50	18.42	<=34.77	Pass
			2	22.16	-1.50	18.51	<=34.77	Pass
			3	22.04	-1.50	18.39	<=34.77	Pass
		6	0	20.98	-1.50	17.33	<=34.77	Pass

	707.5	1	0	21.85	-1.50	18.20	<=34.77	Pass	
			2	21.84	-1.50	18.19	<=34.77	Pass	
			5	22.07	-1.50	18.42	<=34.77	Pass	
		3	0	22.01	-1.50	18.36	<=34.77	Pass	
			2	22.10	-1.50	18.45	<=34.77	Pass	
			3	22.20	-1.50	18.55	<=34.77	Pass	
		6	0	21.00	-1.50	17.35	<=34.77	Pass	
		2	22.24	-1.50	18.59	<=34.77	Pass		
		5	22.06	-1.50	18.41	<=34.77	Pass		
	3	0	22.02	-1.50	18.37	<=34.77	Pass		
		2	22.08	-1.50	18.43	<=34.77	Pass		
		3	22.13	-1.50	18.48	<=34.77	Pass		
	6	0	21.14	-1.50	17.49	<=34.77	Pass		
	256QAM	699.7	1	0	18.29	-1.50	14.64	<=34.77	Pass
2				17.87	-1.50	14.22	<=34.77	Pass	
5				18.09	-1.50	14.44	<=34.77	Pass	
3			0	18.13	-1.50	14.48	<=34.77	Pass	
			2	18.22	-1.50	14.57	<=34.77	Pass	
			3	17.82	-1.50	14.17	<=34.77	Pass	
6			0	18.10	-1.50	14.45	<=34.77	Pass	
2		18.22	-1.50	14.57	<=34.77	Pass			
5		17.88	-1.50	14.23	<=34.77	Pass			
3		0	18.10	-1.50	14.45	<=34.77	Pass		
		2	17.96	-1.50	14.31	<=34.77	Pass		
		3	18.01	-1.50	14.36	<=34.77	Pass		
6		0	18.03	-1.50	14.38	<=34.77	Pass		
2		17.80	-1.50	14.15	<=34.77	Pass			
5		18.26	-1.50	14.61	<=34.77	Pass			
3		0	18.20	-1.50	14.55	<=34.77	Pass		
		2	17.86	-1.50	14.21	<=34.77	Pass		
		3	18.00	-1.50	14.35	<=34.77	Pass		
6		0	18.02	-1.50	14.37	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.19	-1.50	19.54	<=34.77	Pass
			7	23.08	-1.50	19.43	<=34.77	Pass
			14	22.96	-1.50	19.31	<=34.77	Pass
		8	0	22.13	-1.50	18.48	<=34.77	Pass
			4	22.08	-1.50	18.43	<=34.77	Pass
			7	22.13	-1.50	18.48	<=34.77	Pass
		15	0	22.04	-1.50	18.39	<=34.77	Pass
	707.5	1	0	22.91	-1.50	19.26	<=34.77	Pass
			7	23.43	-1.50	19.78	<=34.77	Pass
			14	22.77	-1.50	19.12	<=34.77	Pass
		8	0	22.01	-1.50	18.36	<=34.77	Pass
			4	22.09	-1.50	18.44	<=34.77	Pass
			7	21.93	-1.50	18.28	<=34.77	Pass
		15	0	22.07	-1.50	18.42	<=34.77	Pass
	714.5	1	0	22.83	-1.50	19.18	<=34.77	Pass

		8	7	22.86	-1.50	19.21	<=34.77	Pass
			14	22.81	-1.50	19.16	<=34.77	Pass
			0	22.09	-1.50	18.44	<=34.77	Pass
			4	22.03	-1.50	18.38	<=34.77	Pass
			7	22.05	-1.50	18.40	<=34.77	Pass
16QAM	700.5	1	0	22.05	-1.50	18.40	<=34.77	Pass
			0	22.22	-1.50	18.57	<=34.77	Pass
			7	22.27	-1.50	18.62	<=34.77	Pass
		8	14	22.24	-1.50	18.59	<=34.77	Pass
			0	21.17	-1.50	17.52	<=34.77	Pass
			4	21.24	-1.50	17.59	<=34.77	Pass
			7	21.12	-1.50	17.47	<=34.77	Pass
		15	0	21.24	-1.50	17.59	<=34.77	Pass
			0	22.23	-1.50	18.58	<=34.77	Pass
	707.5	1	7	22.33	-1.50	18.68	<=34.77	Pass
			14	22.29	-1.50	18.64	<=34.77	Pass
			0	21.16	-1.50	17.51	<=34.77	Pass
		8	4	21.07	-1.50	17.42	<=34.77	Pass
			7	21.04	-1.50	17.39	<=34.77	Pass
			0	21.02	-1.50	17.37	<=34.77	Pass
		714.5	0	22.18	-1.50	18.53	<=34.77	Pass
			7	22.63	-1.50	18.98	<=34.77	Pass
			14	21.64	-1.50	17.99	<=34.77	Pass
64QAM	700.5	1	0	21.15	-1.50	17.50	<=34.77	Pass
			4	21.06	-1.50	17.41	<=34.77	Pass
			7	21.13	-1.50	17.48	<=34.77	Pass
		8	0	21.06	-1.50	17.41	<=34.77	Pass
			0	22.17	-1.50	18.52	<=34.77	Pass
			7	21.16	-1.50	17.51	<=34.77	Pass
		15	14	21.97	-1.50	18.32	<=34.77	Pass
			0	21.15	-1.50	17.50	<=34.77	Pass
			4	21.14	-1.50	17.49	<=34.77	Pass
256QAM	700.5	1	7	21.08	-1.50	17.43	<=34.77	Pass
			0	21.13	-1.50	17.48	<=34.77	Pass
			0	22.10	-1.50	18.45	<=34.77	Pass
		8	7	21.89	-1.50	18.24	<=34.77	Pass
			14	21.91	-1.50	18.26	<=34.77	Pass
			0	20.92	-1.50	17.27	<=34.77	Pass
		15	4	21.31	-1.50	17.66	<=34.77	Pass
			7	21.00	-1.50	17.35	<=34.77	Pass
			0	21.07	-1.50	17.42	<=34.77	Pass
	714.5	1	0	22.05	-1.50	18.40	<=34.77	Pass
			7	21.72	-1.50	18.07	<=34.77	Pass
			14	21.74	-1.50	18.09	<=34.77	Pass
		8	0	21.01	-1.50	17.36	<=34.77	Pass
			4	21.18	-1.50	17.53	<=34.77	Pass
			7	21.10	-1.50	17.45	<=34.77	Pass
		15	0	21.10	-1.50	17.45	<=34.77	Pass
			0	17.98	-1.50	14.33	<=34.77	Pass
			7	18.19	-1.50	14.54	<=34.77	Pass
	707.5	1	14	17.80	-1.50	14.15	<=34.77	Pass
			0	18.05	-1.50	14.40	<=34.77	Pass
			4	18.17	-1.50	14.52	<=34.77	Pass
		8	7	18.08	-1.50	14.43	<=34.77	Pass
			0	18.20	-1.50	14.55	<=34.77	Pass
			0	18.01	-1.50	14.36	<=34.77	Pass
		15	7	18.17	-1.50	14.52	<=34.77	Pass
			14	18.17	-1.50	14.52	<=34.77	Pass
			0	17.98	-1.50	14.33	<=34.77	Pass

			4	18.14	-1.50	14.49	<=34.77	Pass
			7	17.90	-1.50	14.25	<=34.77	Pass
		15	0	18.04	-1.50	14.39	<=34.77	Pass
	714.5	1	0	18.09	-1.50	14.44	<=34.77	Pass
			7	17.85	-1.50	14.20	<=34.77	Pass
			14	18.06	-1.50	14.41	<=34.77	Pass
		8	0	18.13	-1.50	14.48	<=34.77	Pass
			4	18.06	-1.50	14.41	<=34.77	Pass
			7	18.04	-1.50	14.39	<=34.77	Pass
		15	0	18.05	-1.50	14.40	<=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	23.03	-1.50	19.38	<=34.77	Pass
			13	23.13	-1.50	19.48	<=34.77	Pass
			24	22.90	-1.50	19.25	<=34.77	Pass
		12	0	22.11	-1.50	18.46	<=34.77	Pass
			6	22.17	-1.50	18.52	<=34.77	Pass
			13	22.07	-1.50	18.42	<=34.77	Pass
		25	0	22.14	-1.50	18.49	<=34.77	Pass
	707.5	1	0	23.03	-1.50	19.38	<=34.77	Pass
			13	23.04	-1.50	19.39	<=34.77	Pass
			24	22.92	-1.50	19.27	<=34.77	Pass
		12	0	22.06	-1.50	18.41	<=34.77	Pass
			6	22.04	-1.50	18.39	<=34.77	Pass
			13	22.03	-1.50	18.38	<=34.77	Pass
		25	0	22.02	-1.50	18.37	<=34.77	Pass
	713.5	1	0	23.02	-1.50	19.37	<=34.77	Pass
			13	23.17	-1.50	19.52	<=34.77	Pass
			24	22.86	-1.50	19.21	<=34.77	Pass
		12	0	22.13	-1.50	18.48	<=34.77	Pass
			6	22.09	-1.50	18.44	<=34.77	Pass
			13	22.05	-1.50	18.40	<=34.77	Pass
		25	0	22.06	-1.50	18.41	<=34.77	Pass
16QAM	701.5	1	0	21.83	-1.50	18.18	<=34.77	Pass
			13	22.28	-1.50	18.63	<=34.77	Pass
			24	22.16	-1.50	18.51	<=34.77	Pass
		12	0	21.08	-1.50	17.43	<=34.77	Pass
			6	21.20	-1.50	17.55	<=34.77	Pass
			13	21.17	-1.50	17.52	<=34.77	Pass
		25	0	21.15	-1.50	17.50	<=34.77	Pass
	707.5	1	0	21.81	-1.50	18.16	<=34.77	Pass
			13	21.92	-1.50	18.27	<=34.77	Pass
			24	21.93	-1.50	18.28	<=34.77	Pass
		12	0	21.04	-1.50	17.39	<=34.77	Pass
			6	21.11	-1.50	17.46	<=34.77	Pass
			13	20.96	-1.50	17.31	<=34.77	Pass
		25	0	21.04	-1.50	17.39	<=34.77	Pass
	713.5	1	0	21.93	-1.50	18.28	<=34.77	Pass
			13	22.43	-1.50	18.78	<=34.77	Pass
			24	22.26	-1.50	18.61	<=34.77	Pass
		12	0	21.10	-1.50	17.45	<=34.77	Pass
			6	21.19	-1.50	17.54	<=34.77	Pass

			13	21.03	-1.50	17.38	<=34.77	Pass	
		25	0	21.05	-1.50	17.40	<=34.77	Pass	
64QAM	701.5	1	0	22.11	-1.50	18.46	<=34.77	Pass	
			13	22.13	-1.50	18.48	<=34.77	Pass	
			24	22.15	-1.50	18.50	<=34.77	Pass	
			0	21.12	-1.50	17.47	<=34.77	Pass	
		12	6	21.21	-1.50	17.56	<=34.77	Pass	
			13	21.13	-1.50	17.48	<=34.77	Pass	
			25	0	21.13	-1.50	17.48	<=34.77	Pass
		707.5	1	0	22.14	-1.50	18.49	<=34.77	Pass
				13	21.40	-1.50	17.75	<=34.77	Pass
	24			22.06	-1.50	18.41	<=34.77	Pass	
	0			21.06	-1.50	17.41	<=34.77	Pass	
	12		6	20.80	-1.50	17.15	<=34.77	Pass	
			13	21.09	-1.50	17.44	<=34.77	Pass	
			25	0	21.06	-1.50	17.41	<=34.77	Pass
	713.5		1	0	22.04	-1.50	18.39	<=34.77	Pass
		13		22.14	-1.50	18.49	<=34.77	Pass	
		24		21.62	-1.50	17.97	<=34.77	Pass	
		0		21.08	-1.50	17.43	<=34.77	Pass	
		12	6	21.09	-1.50	17.44	<=34.77	Pass	
			13	21.16	-1.50	17.51	<=34.77	Pass	
			25	0	21.07	-1.50	17.42	<=34.77	Pass
		256QAM	701.5	1	0	17.87	-1.50	14.22	<=34.77
	13				18.20	-1.50	14.55	<=34.77	Pass
24	17.95				-1.50	14.30	<=34.77	Pass	
12	0			17.79	-1.50	14.14	<=34.77	Pass	
	6			18.17	-1.50	14.52	<=34.77	Pass	
	13			18.02	-1.50	14.37	<=34.77	Pass	
25	0			18.07	-1.50	14.42	<=34.77	Pass	
707.5	1		0	17.76	-1.50	14.11	<=34.77	Pass	
			13	17.94	-1.50	14.29	<=34.77	Pass	
			24	17.63	-1.50	13.98	<=34.77	Pass	
	12		0	18.08	-1.50	14.43	<=34.77	Pass	
			6	18.02	-1.50	14.37	<=34.77	Pass	
			13	17.90	-1.50	14.25	<=34.77	Pass	
	25		0	18.08	-1.50	14.43	<=34.77	Pass	
713.5	1		0	18.03	-1.50	14.38	<=34.77	Pass	
			13	17.94	-1.50	14.29	<=34.77	Pass	
			24	18.06	-1.50	14.41	<=34.77	Pass	
	12		0	18.09	-1.50	14.44	<=34.77	Pass	
			6	18.00	-1.50	14.35	<=34.77	Pass	
			13	18.07	-1.50	14.42	<=34.77	Pass	
	25		0	18.01	-1.50	14.36	<=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	23.08	-1.50	19.43	<=34.77	Pass
			25	22.99	-1.50	19.34	<=34.77	Pass
			49	22.80	-1.50	19.15	<=34.77	Pass
		25	0	22.08	-1.50	18.43	<=34.77	Pass
			13	22.14	-1.50	18.49	<=34.77	Pass
			25	22.06	-1.50	18.41	<=34.77	Pass

		50	0	22.13	-1.50	18.48	<=34.77	Pass
	707.5	1	0	22.99	-1.50	19.34	<=34.77	Pass
			25	23.10	-1.50	19.45	<=34.77	Pass
			49	22.88	-1.50	19.23	<=34.77	Pass
		25	0	22.07	-1.50	18.42	<=34.77	Pass
			13	22.06	-1.50	18.41	<=34.77	Pass
			25	22.05	-1.50	18.40	<=34.77	Pass
	50	0	22.04	-1.50	18.39	<=34.77	Pass	
	711	1	0	23.06	-1.50	19.41	<=34.77	Pass
			25	23.09	-1.50	19.44	<=34.77	Pass
			49	22.85	-1.50	19.20	<=34.77	Pass
		25	0	22.12	-1.50	18.47	<=34.77	Pass
			13	22.11	-1.50	18.46	<=34.77	Pass
			25	21.97	-1.50	18.32	<=34.77	Pass
	50	0	22.09	-1.50	18.44	<=34.77	Pass	
16QAM	704	1	0	22.40	-1.50	18.75	<=34.77	Pass
			25	21.39	-1.50	17.74	<=34.77	Pass
			49	22.25	-1.50	18.60	<=34.77	Pass
		25	0	21.07	-1.50	17.42	<=34.77	Pass
			13	21.23	-1.50	17.58	<=34.77	Pass
			25	21.14	-1.50	17.49	<=34.77	Pass
	50	0	21.10	-1.50	17.45	<=34.77	Pass	
	707.5	1	0	22.00	-1.50	18.35	<=34.77	Pass
			25	22.37	-1.50	18.72	<=34.77	Pass
			49	22.02	-1.50	18.37	<=34.77	Pass
		25	0	21.04	-1.50	17.39	<=34.77	Pass
			13	21.12	-1.50	17.47	<=34.77	Pass
			25	21.01	-1.50	17.36	<=34.77	Pass
	50	0	21.04	-1.50	17.39	<=34.77	Pass	
	711	1	0	21.88	-1.50	18.23	<=34.77	Pass
			25	22.22	-1.50	18.57	<=34.77	Pass
			49	21.32	-1.50	17.67	<=34.77	Pass
		25	0	21.09	-1.50	17.44	<=34.77	Pass
			13	21.15	-1.50	17.50	<=34.77	Pass
			25	21.06	-1.50	17.41	<=34.77	Pass
	50	0	21.19	-1.50	17.54	<=34.77	Pass	
64QAM	704	1	0	21.93	-1.50	18.28	<=34.77	Pass
			25	22.24	-1.50	18.59	<=34.77	Pass
			49	21.83	-1.50	18.18	<=34.77	Pass
		25	0	21.15	-1.50	17.50	<=34.77	Pass
			13	21.10	-1.50	17.45	<=34.77	Pass
			25	21.08	-1.50	17.43	<=34.77	Pass
	50	0	21.11	-1.50	17.46	<=34.77	Pass	
	707.5	1	0	22.17	-1.50	18.52	<=34.77	Pass
			25	21.94	-1.50	18.29	<=34.77	Pass
			49	21.99	-1.50	18.34	<=34.77	Pass
		25	0	21.12	-1.50	17.47	<=34.77	Pass
			13	20.98	-1.50	17.33	<=34.77	Pass
			25	21.06	-1.50	17.41	<=34.77	Pass
	50	0	21.03	-1.50	17.38	<=34.77	Pass	
	711	1	0	22.15	-1.50	18.50	<=34.77	Pass
			25	21.82	-1.50	18.17	<=34.77	Pass
			49	21.98	-1.50	18.33	<=34.77	Pass
		25	0	21.07	-1.50	17.42	<=34.77	Pass
13			21.16	-1.50	17.51	<=34.77	Pass	
25			20.93	-1.50	17.28	<=34.77	Pass	
50	0	21.07	-1.50	17.42	<=34.77	Pass		
256QAM	704	1	0	17.93	-1.50	14.28	<=34.77	Pass
			25	18.27	-1.50	14.62	<=34.77	Pass

			49	17.79	-1.50	14.14	<=34.77	Pass
		25	0	18.10	-1.50	14.45	<=34.77	Pass
			13	18.10	-1.50	14.45	<=34.77	Pass
			25	18.15	-1.50	14.50	<=34.77	Pass
		50	0	18.12	-1.50	14.47	<=34.77	Pass
	707.5	1	0	18.08	-1.50	14.43	<=34.77	Pass
			25	17.85	-1.50	14.20	<=34.77	Pass
			49	17.95	-1.50	14.30	<=34.77	Pass
		25	0	18.02	-1.50	14.37	<=34.77	Pass
			13	18.07	-1.50	14.42	<=34.77	Pass
			25	17.90	-1.50	14.25	<=34.77	Pass
		50	0	18.08	-1.50	14.43	<=34.77	Pass
		711	1	0	17.84	-1.50	14.19	<=34.77
	25			18.29	-1.50	14.64	<=34.77	Pass
	49			17.96	-1.50	14.31	<=34.77	Pass
	25		0	17.63	-1.50	13.98	<=34.77	Pass
			13	18.11	-1.50	14.46	<=34.77	Pass
			25	17.99	-1.50	14.34	<=34.77	Pass
	50		0	18.11	-1.50	14.46	<=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	0.600	0.0008	-2.5 to 2.5	Pass
					NV	-0.300	-0.0004	-2.5 to 2.5	Pass
					HV	0.900	0.0013	-2.5 to 2.5	Pass
				-30	NV	1.300	0.0018	-2.5 to 2.5	Pass
				-20	NV	-0.600	-0.0008	-2.5 to 2.5	Pass
				-10	NV	-0.500	-0.0007	-2.5 to 2.5	Pass
				0	NV	0.600	0.0008	-2.5 to 2.5	Pass
				10	NV	0.600	0.0008	-2.5 to 2.5	Pass
				30	NV	-0.500	-0.0007	-2.5 to 2.5	Pass
				40	NV	-0.400	-0.0006	-2.5 to 2.5	Pass
				50	NV	0.100	0.0001	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

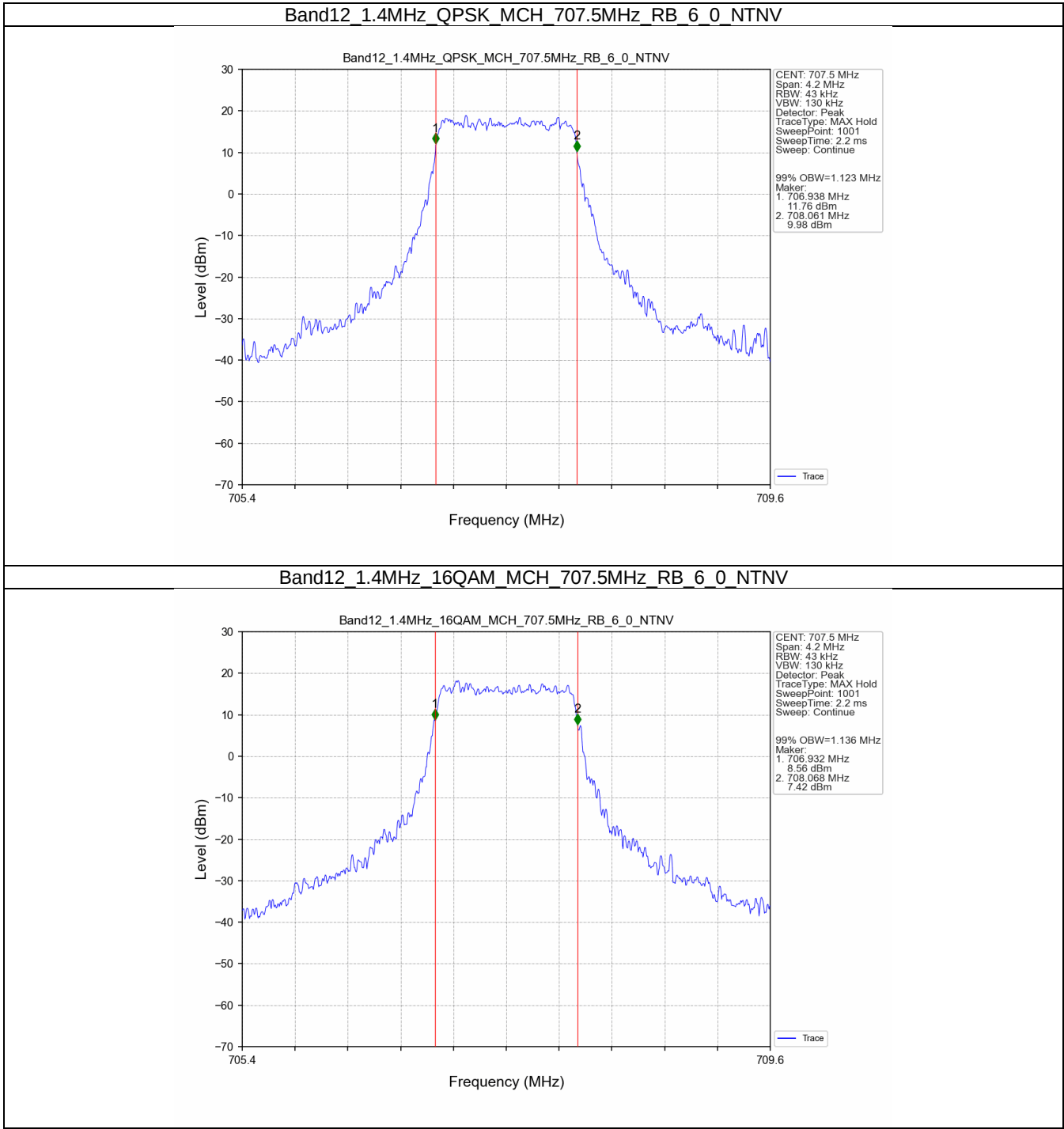
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.123	/	Pass
	16QAM	707.5	6	0	1.136	/	Pass
3	QPSK	707.5	15	0	2.734	/	Pass
	16QAM	707.5	15	0	2.741	/	Pass
5	QPSK	707.5	25	0	4.548	/	Pass
	16QAM	707.5	25	0	4.571	/	Pass
10	QPSK	707.5	50	0	9.056	/	Pass
	16QAM	707.5	50	0	9.102	/	Pass

3.1.2 Band12_XDB

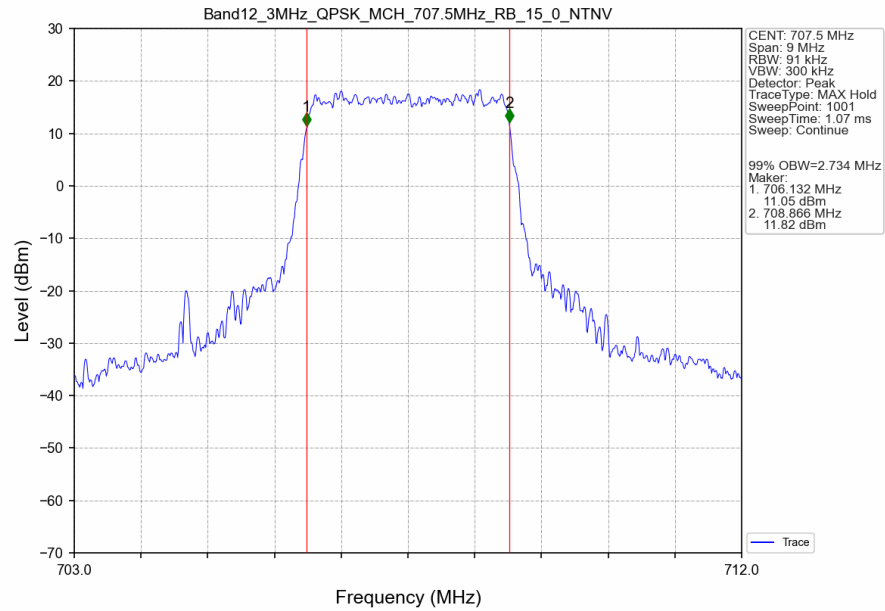
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.386	/	Pass
	16QAM	707.5	6	0	1.399	/	Pass
3	QPSK	707.5	15	0	3.111	/	Pass
	16QAM	707.5	15	0	3.090	/	Pass
5	QPSK	707.5	25	0	5.206	/	Pass
	16QAM	707.5	25	0	5.212	/	Pass
10	QPSK	707.5	50	0	10.105	/	Pass
	16QAM	707.5	50	0	10.186	/	Pass

3.2 Test Graph

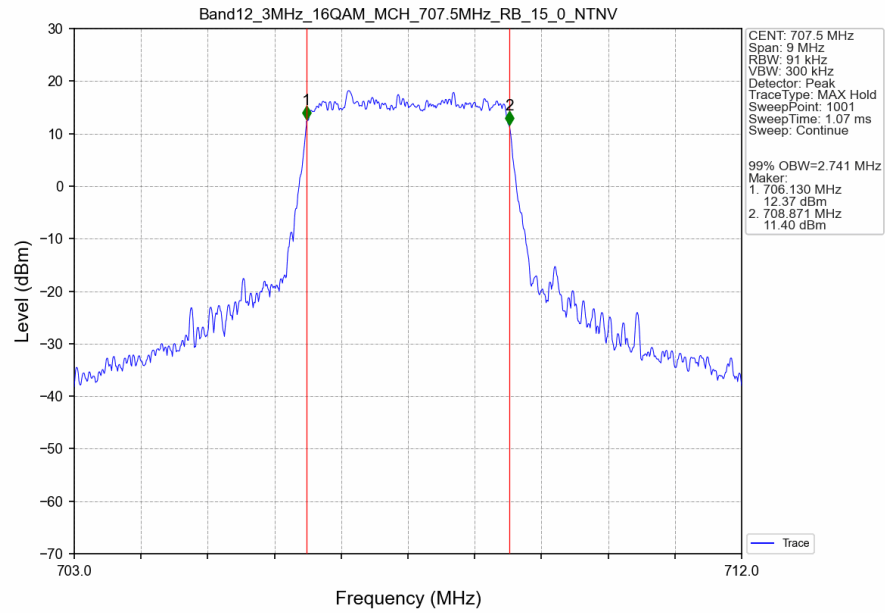
3.2.1 Band12_OBW



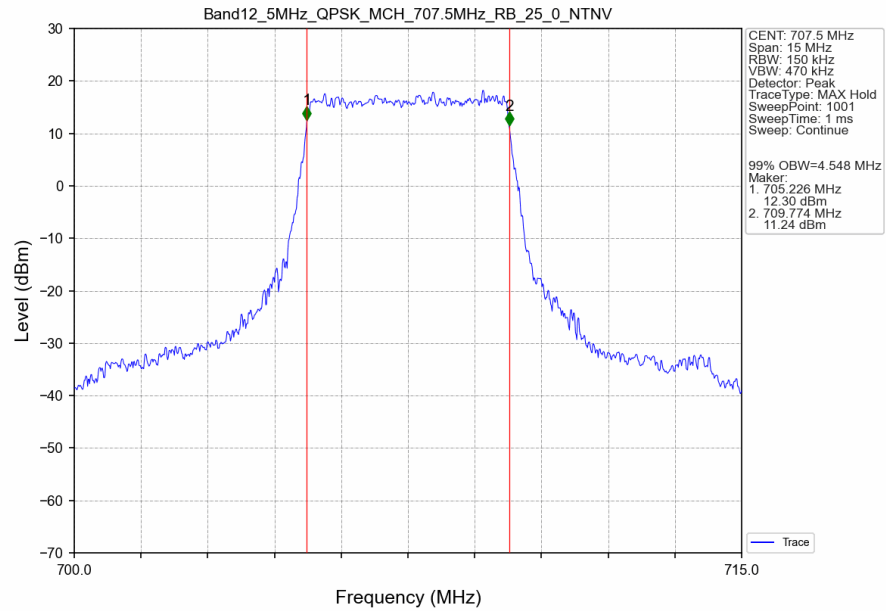
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



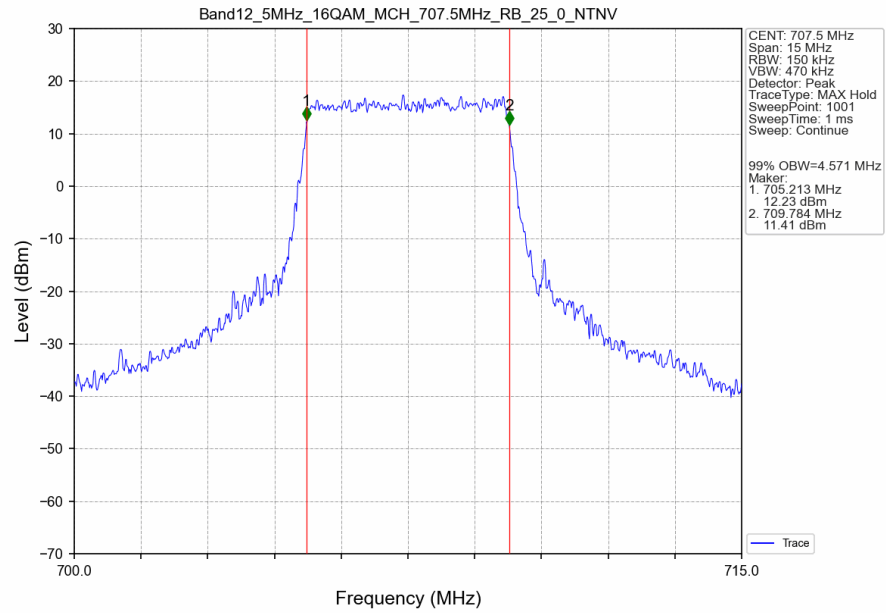
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



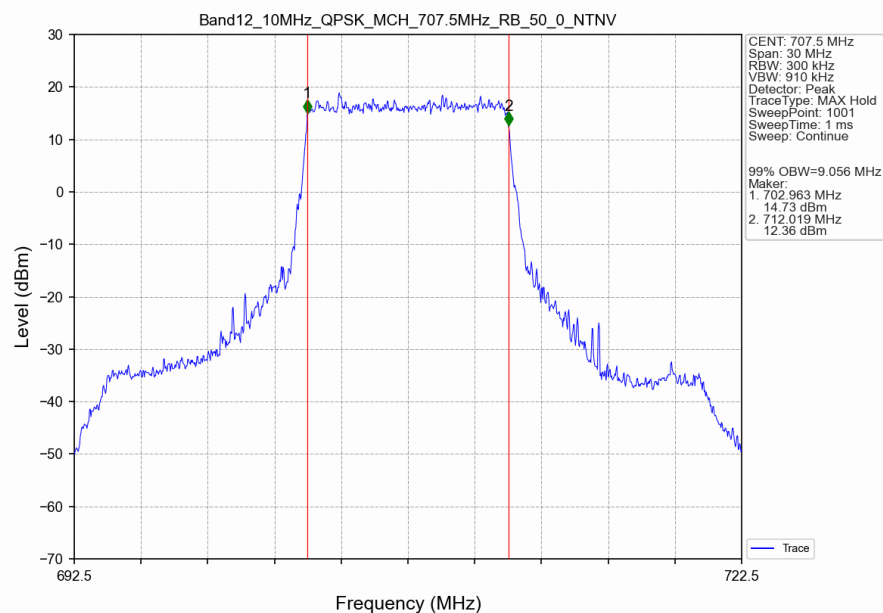
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



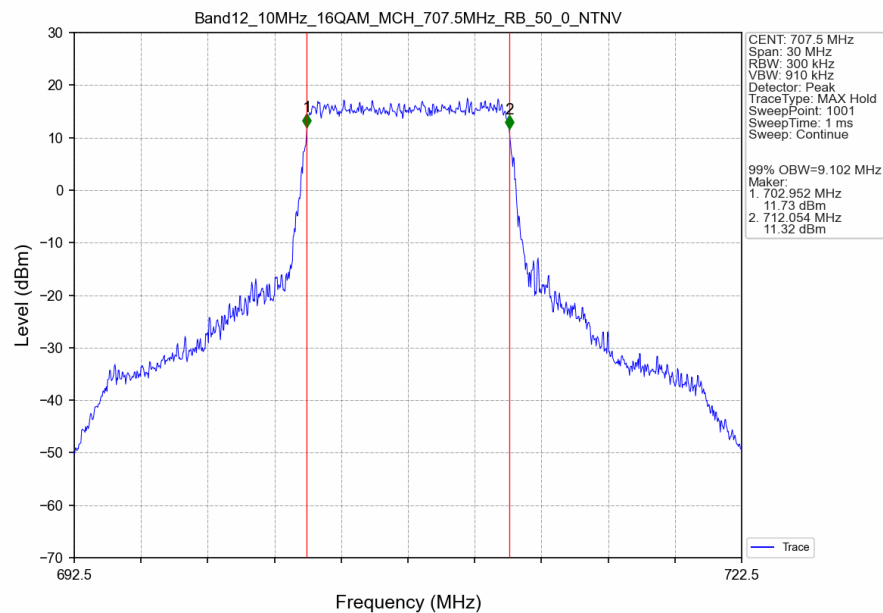
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



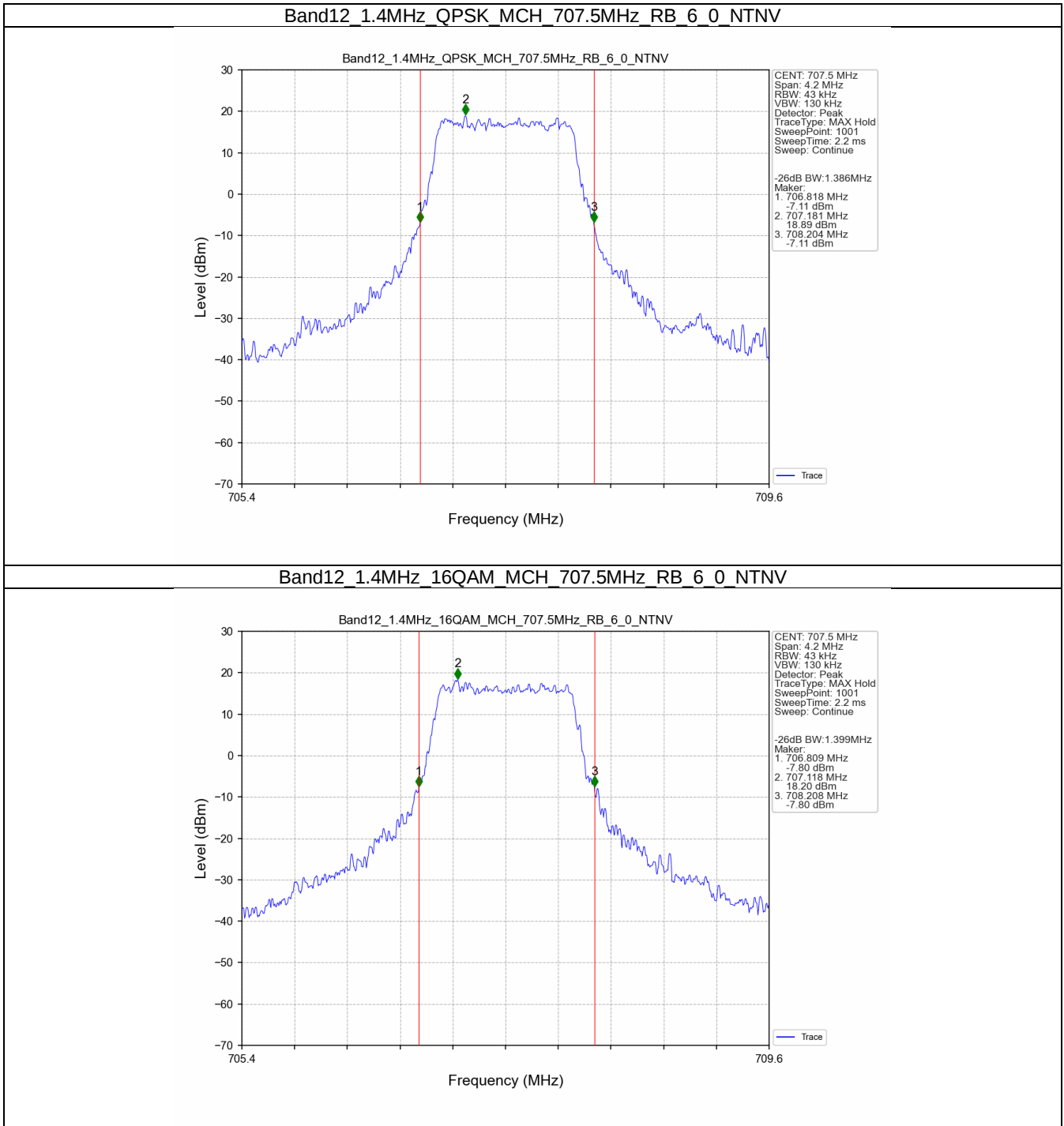
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



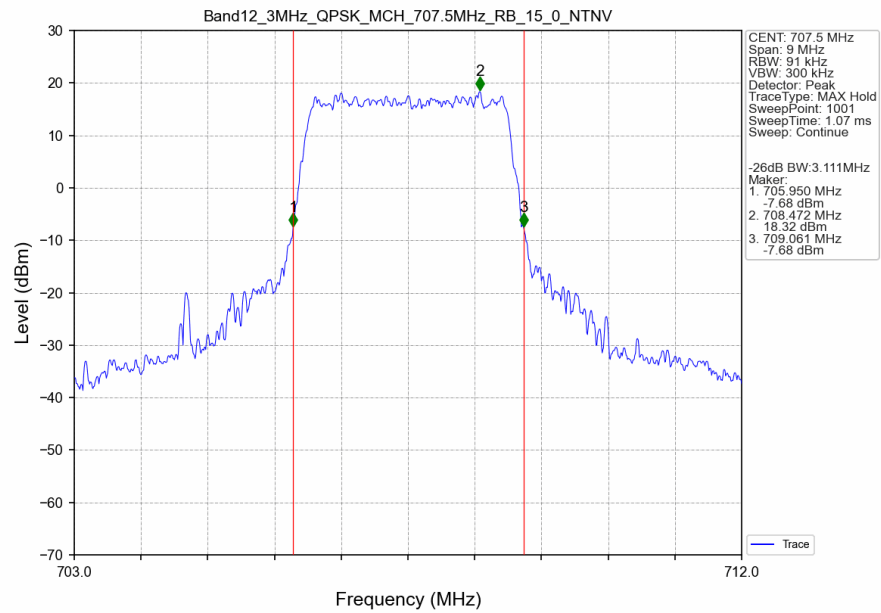
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTNV



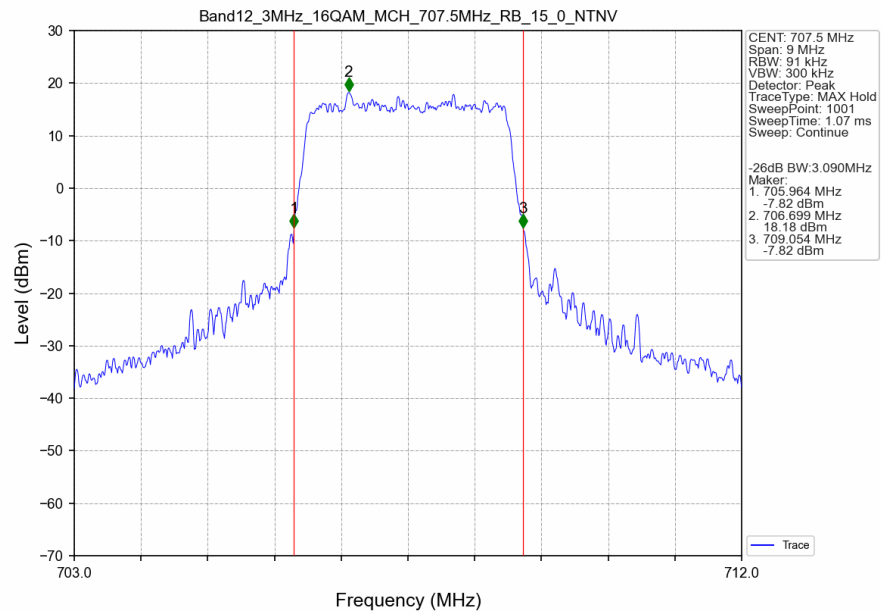
3.2.2 Band12_XDB



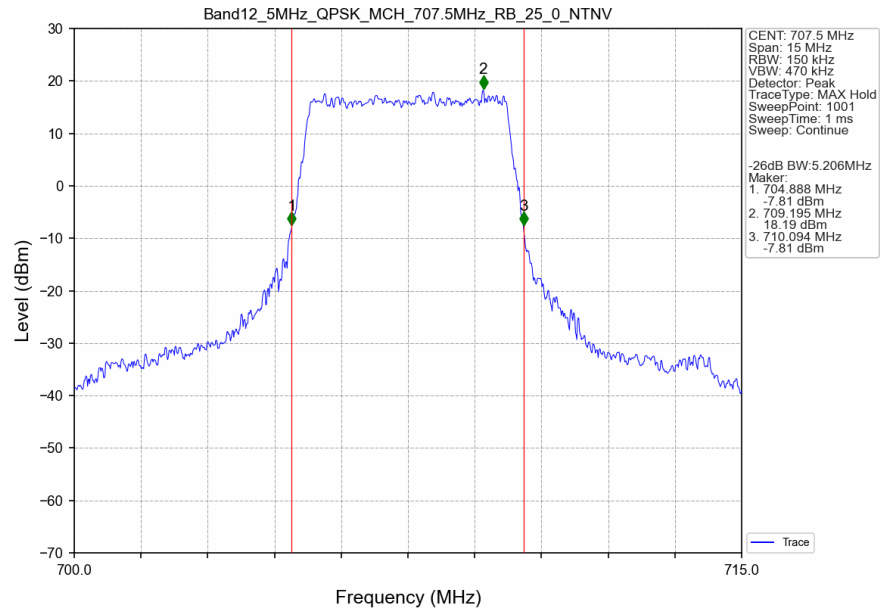
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTN



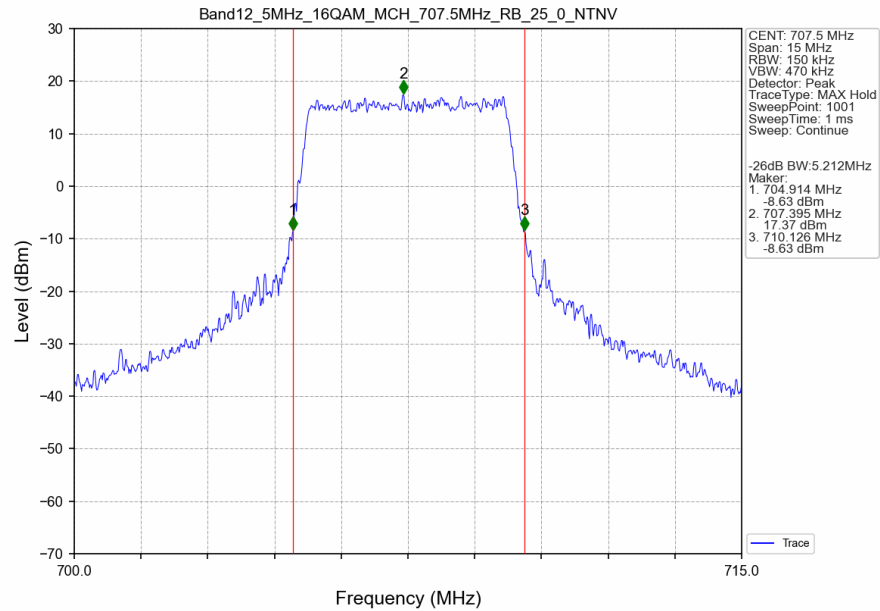
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTN



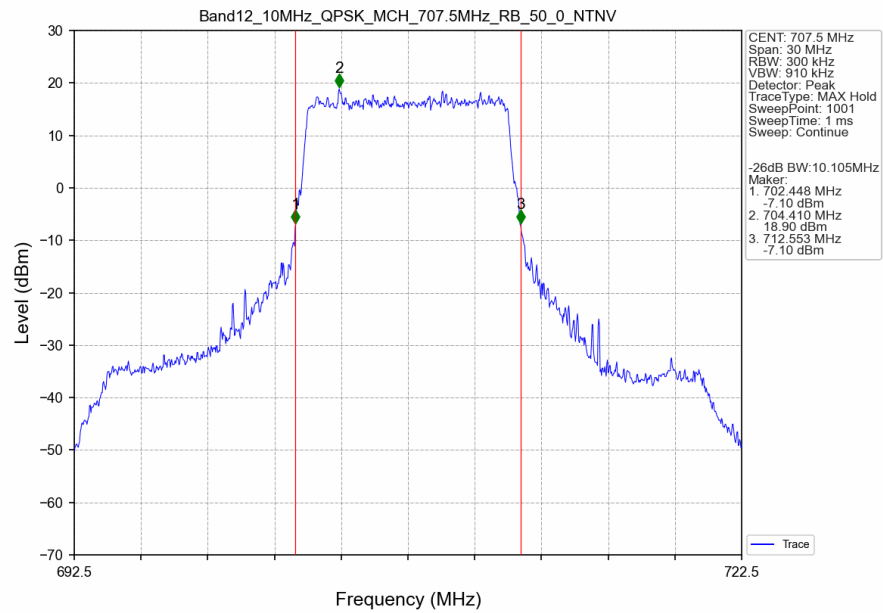
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



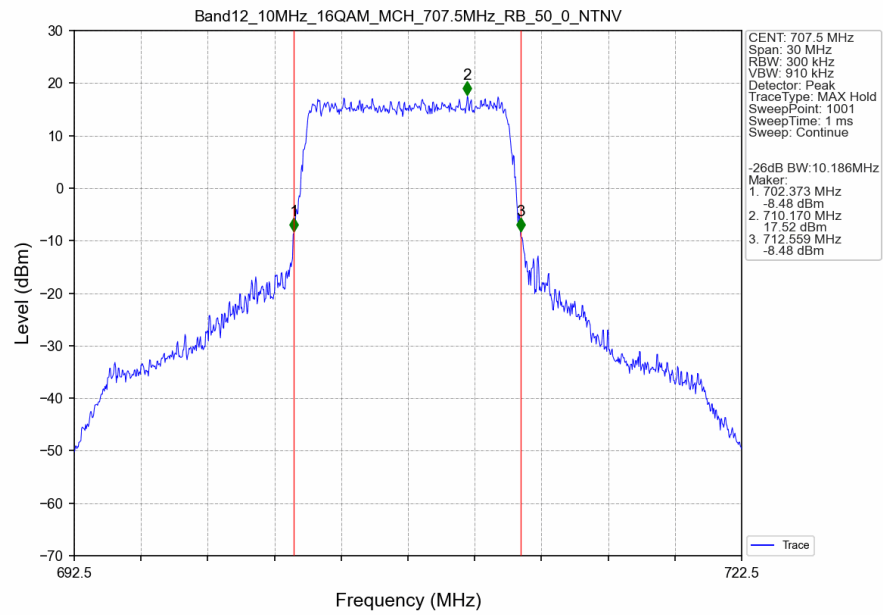
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



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



4. Peak-Average Ratio

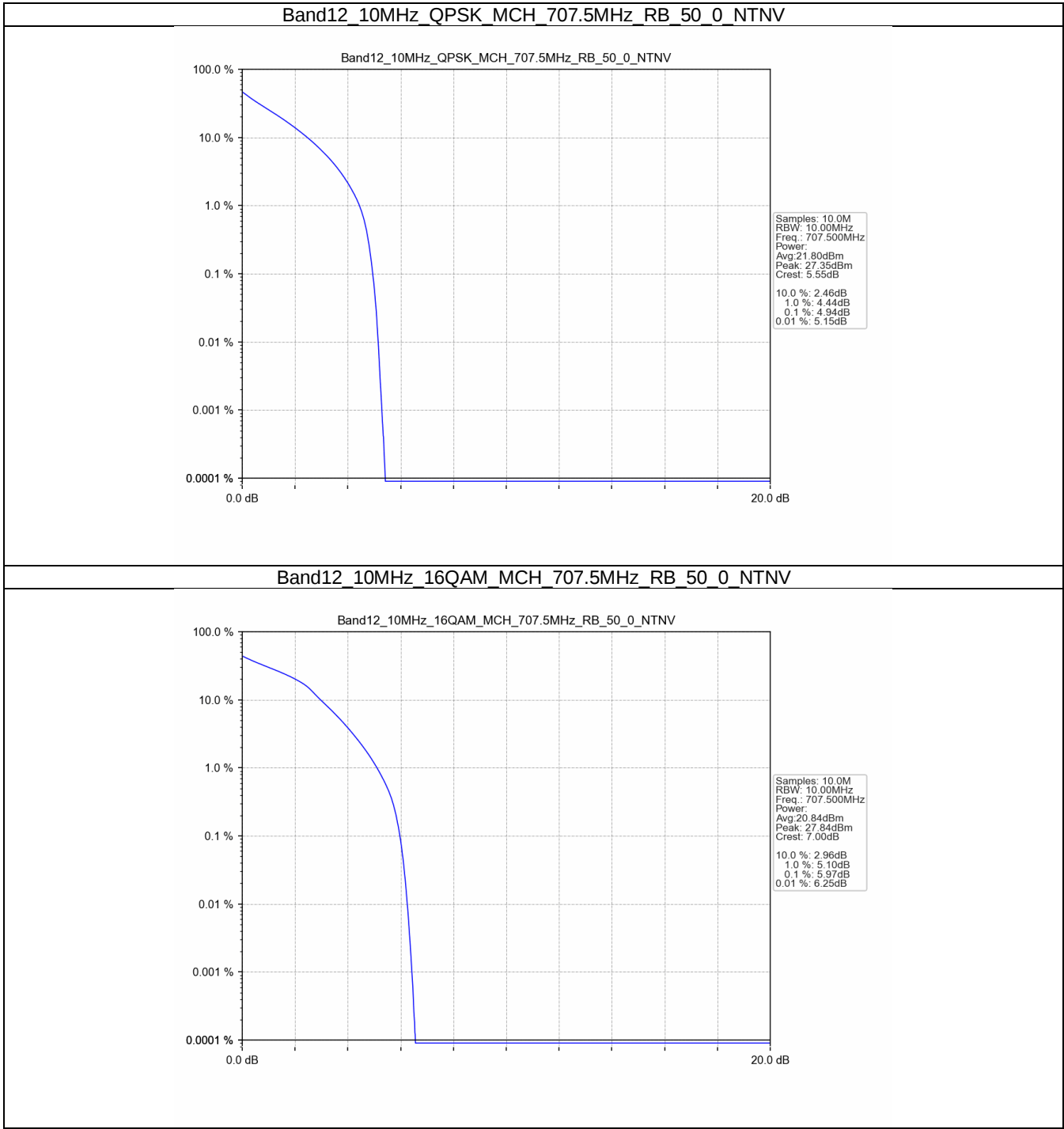
4.1 Test Result

4.1.1 B12_10MHz

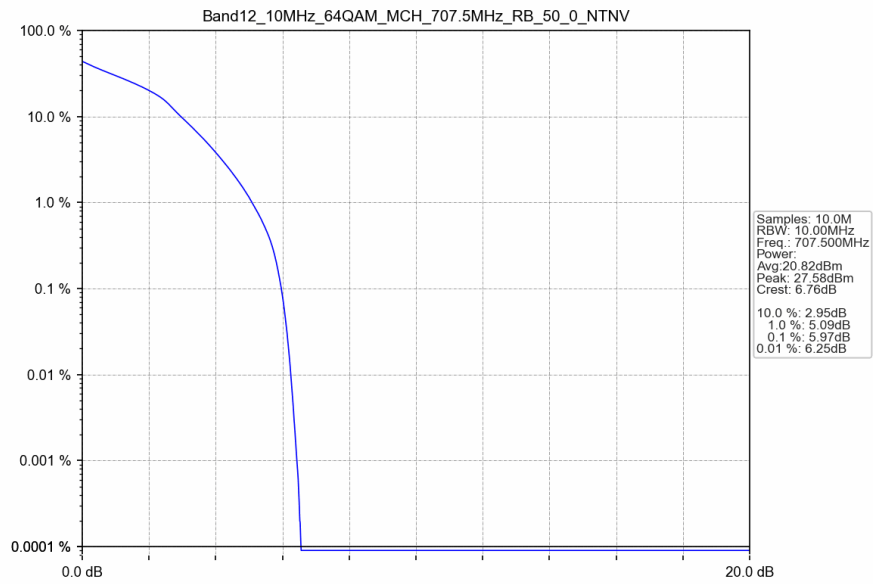
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	4.94	<=13	Pass
16QAM	707.5	50	0	5.97	<=13	Pass
64QAM	707.5	50	0	5.97	<=13	Pass
256QAM	707.5	50	0	6.82	<=13	Pass

4.2 Test Graph

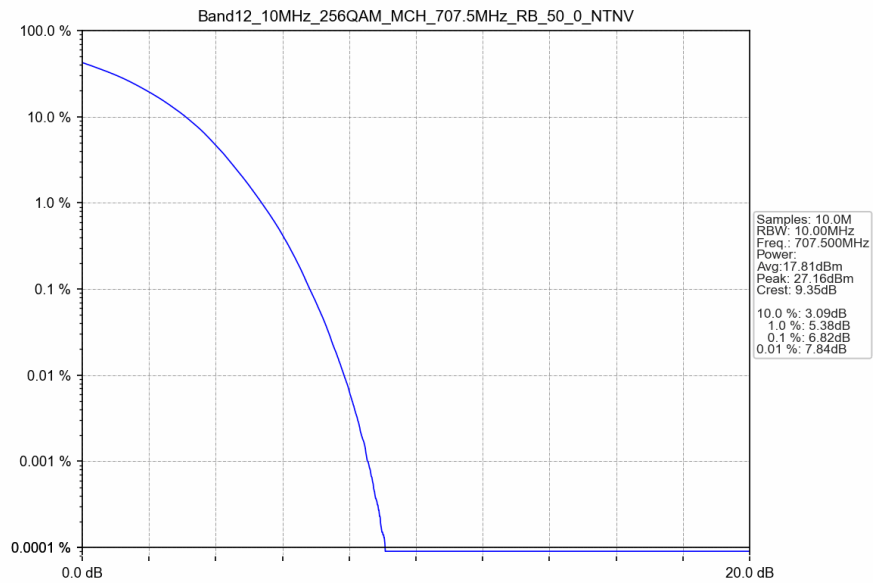
4.2.1 B12_10MHz



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

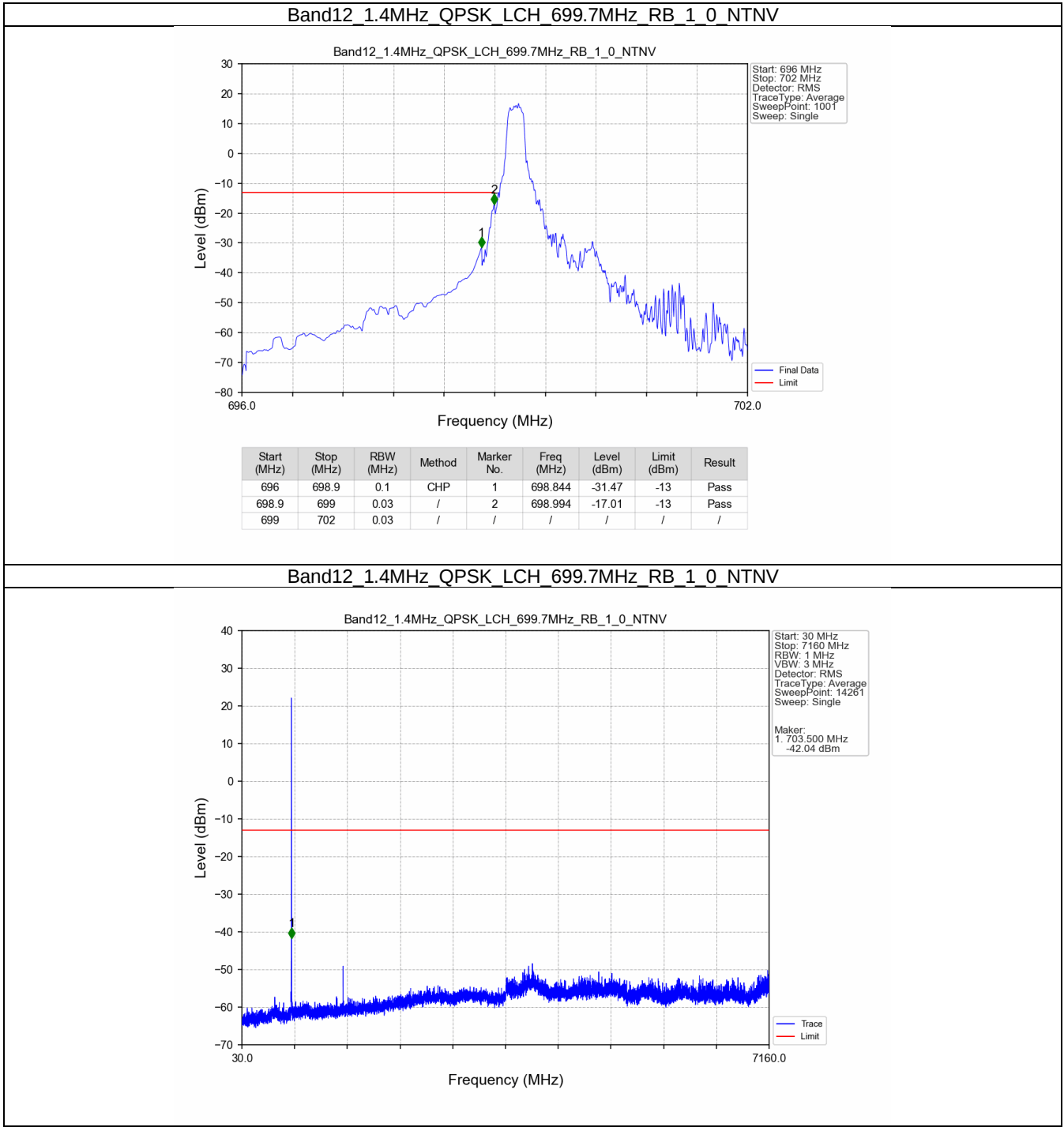
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B12_10MHz

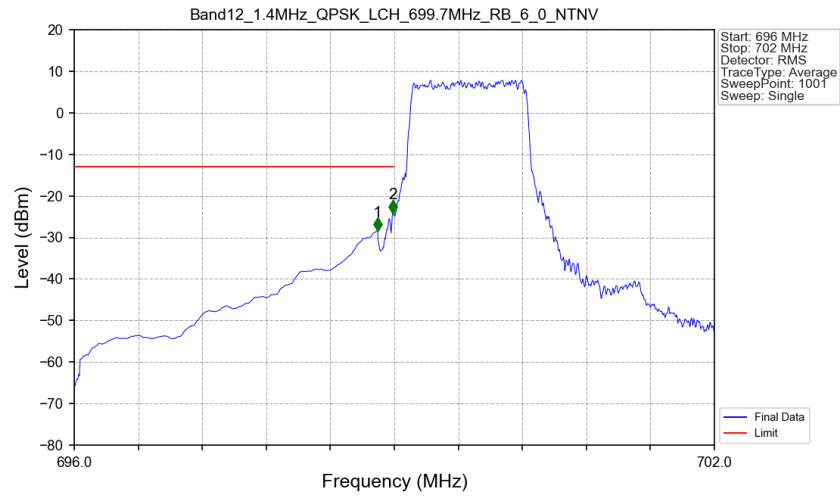
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B12_1.4MHz

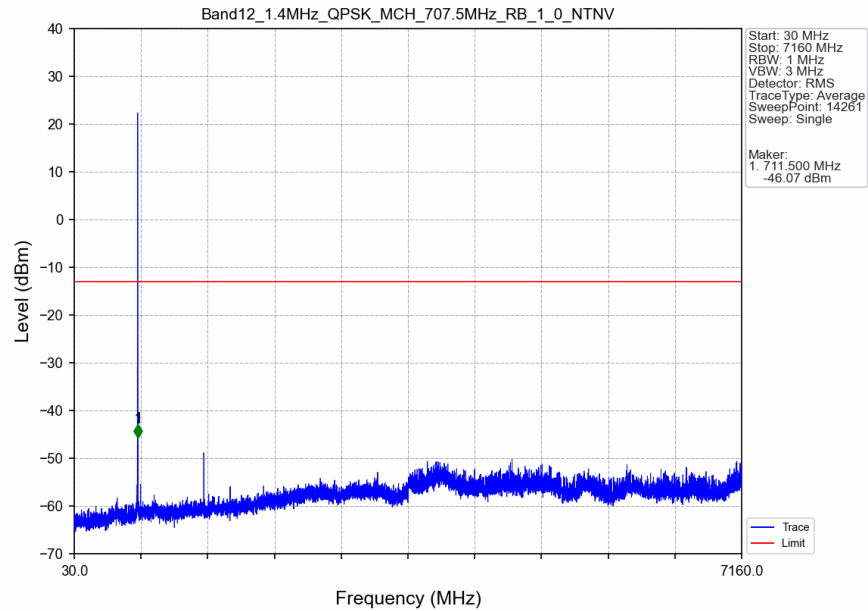


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV

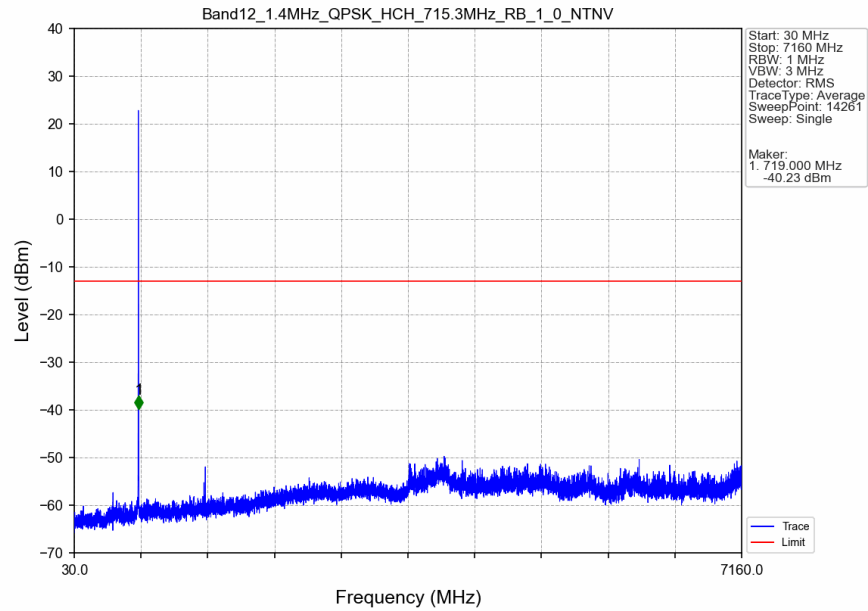


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-28.32	-13	Pass
698.9	699	0.03	/	2	698.988	-24.12	-13	Pass
699	702	0.03	/	/	/	/	/	/

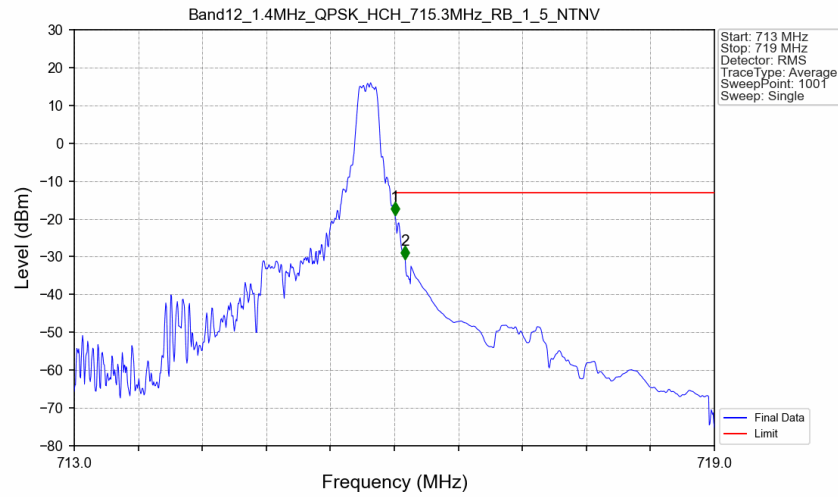
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV

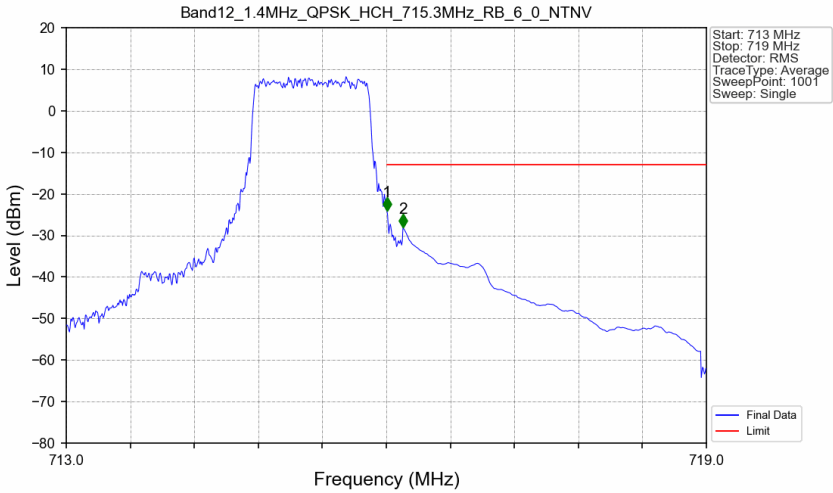


Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTV



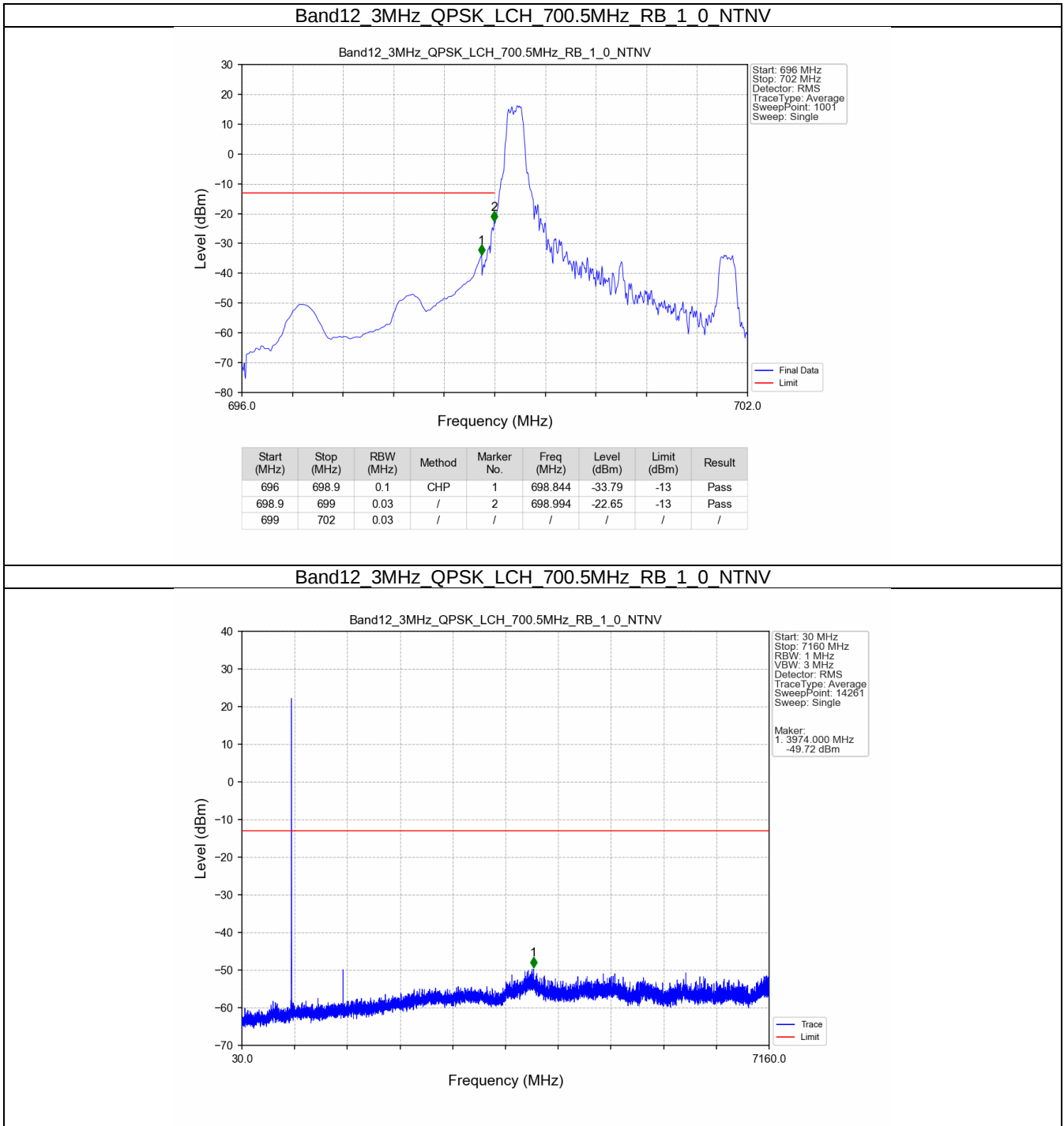
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-19.06	-13	Pass
716.1	719	0.1	CHP	2	716.102	-30.75	-13	Pass

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV

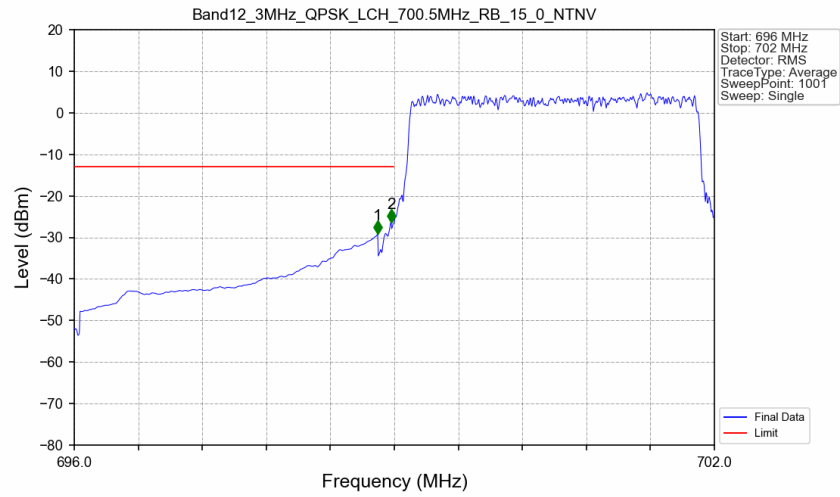


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-24.07	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.10	-13	Pass

5.2.2 B12_3MHz

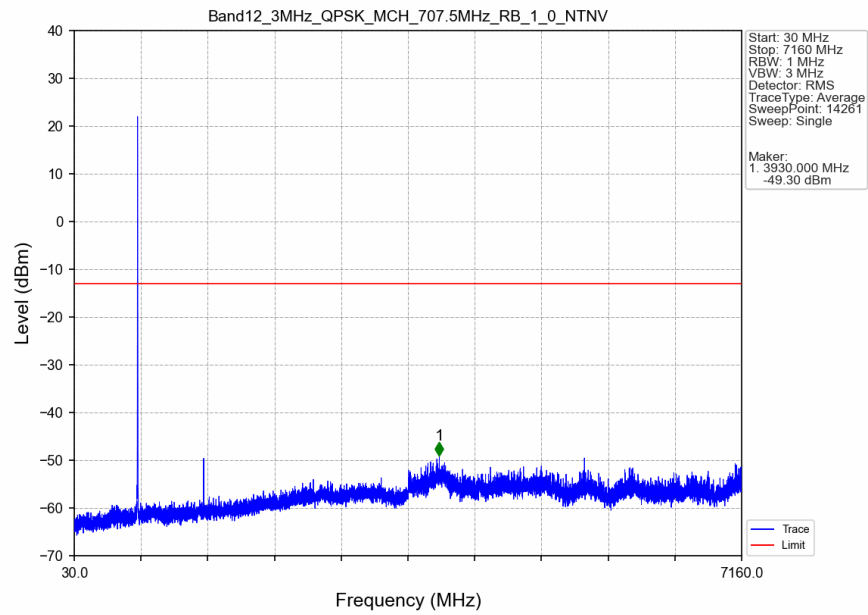


Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV

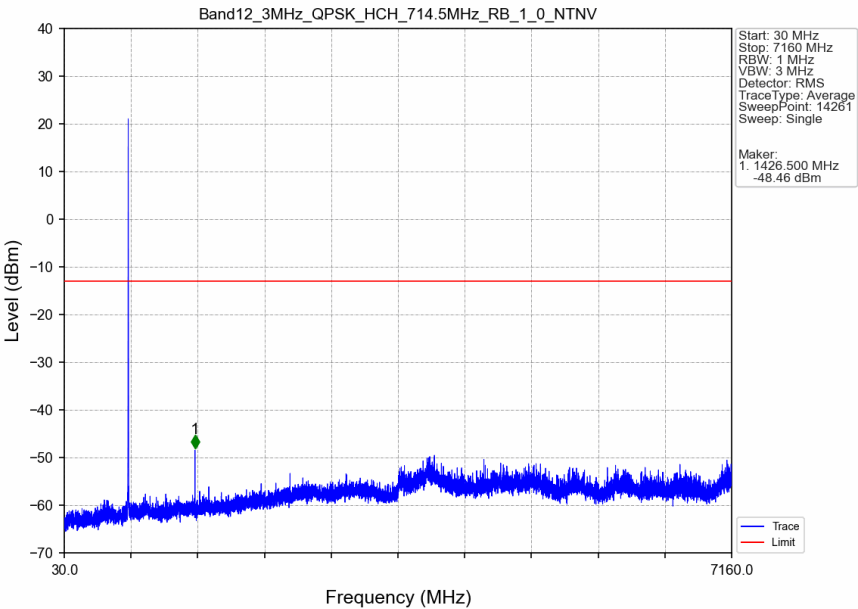


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.12	-13	Pass
698.9	699	0.03	/	2	698.970	-26.41	-13	Pass
699	702	0.03	/	/	/	/	/	/

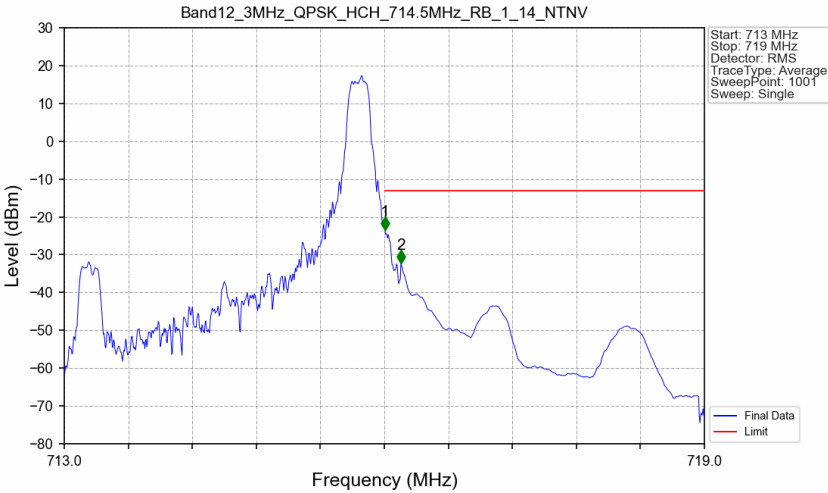
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

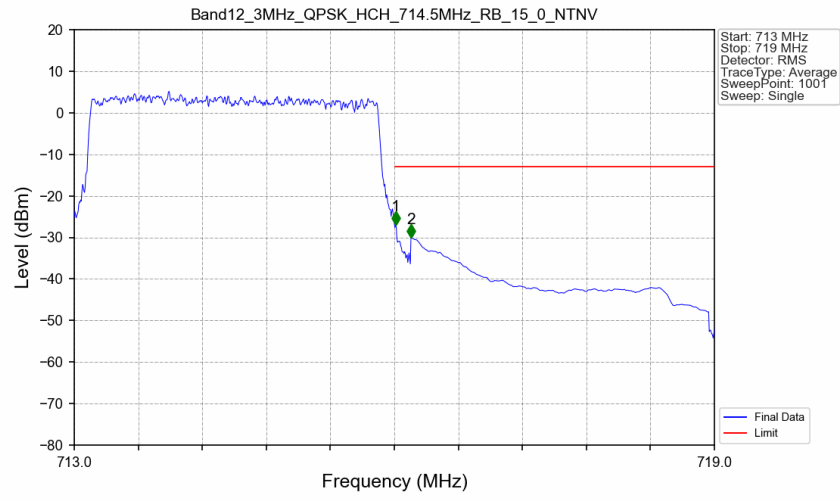


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



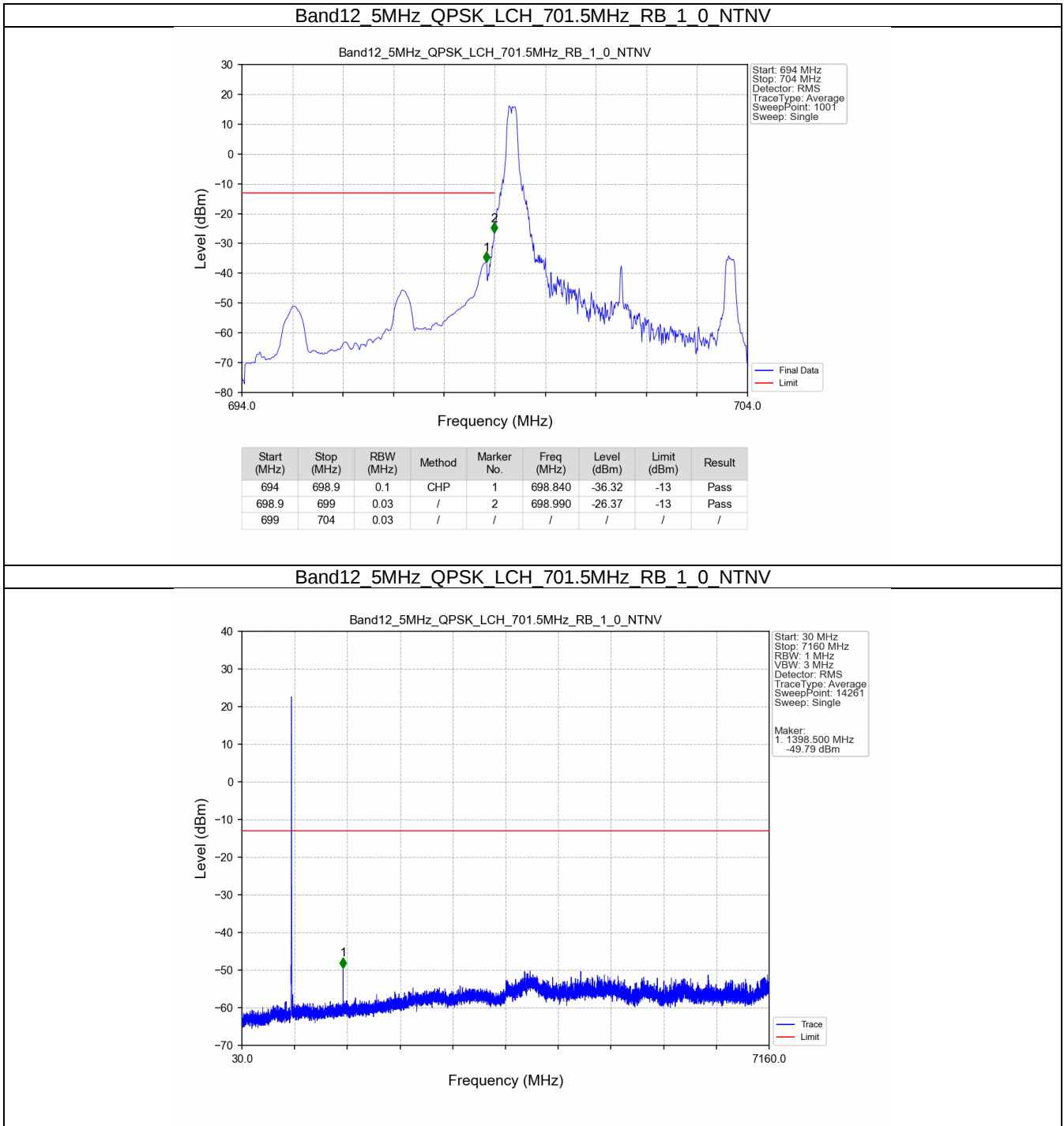
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-23.40	-13	Pass
716.1	719	0.1	CHP	2	716.156	-32.31	-13	Pass

Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV

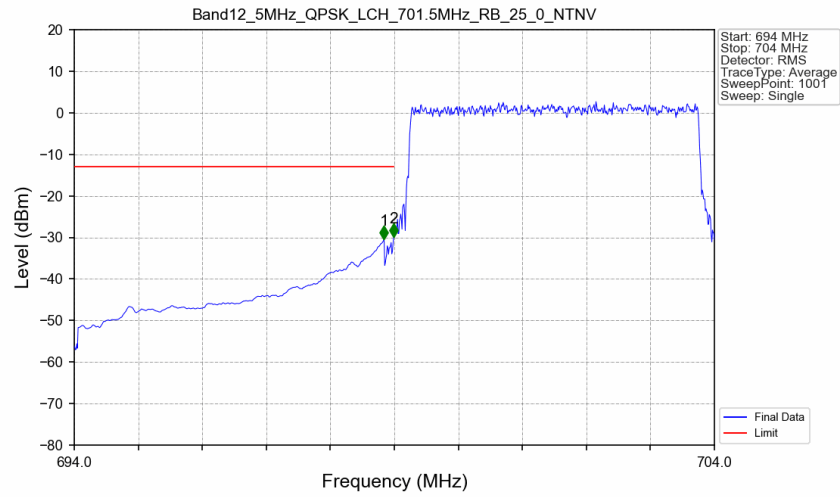


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-26.93	-13	Pass
716.1	719	0.1	CHP	2	716.156	-30.00	-13	Pass

5.2.3 B12_5MHz

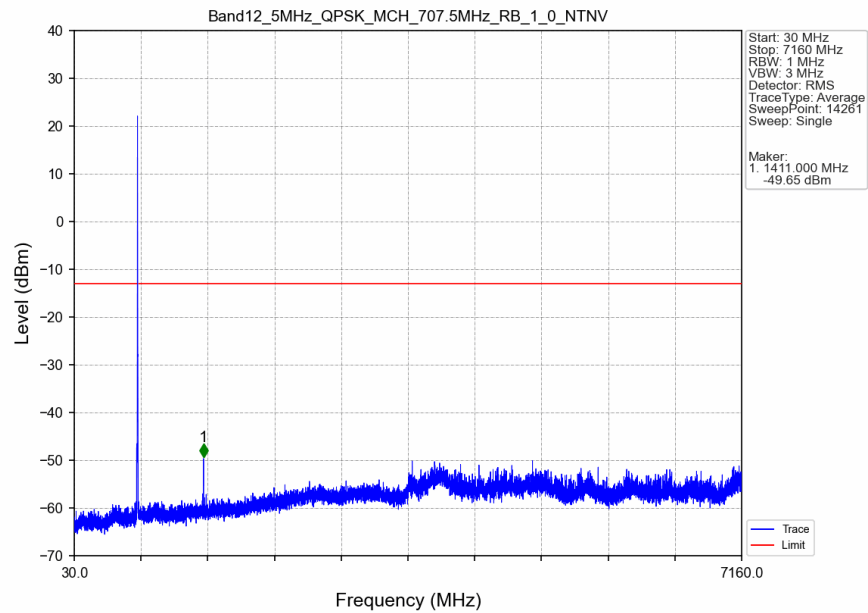


Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV

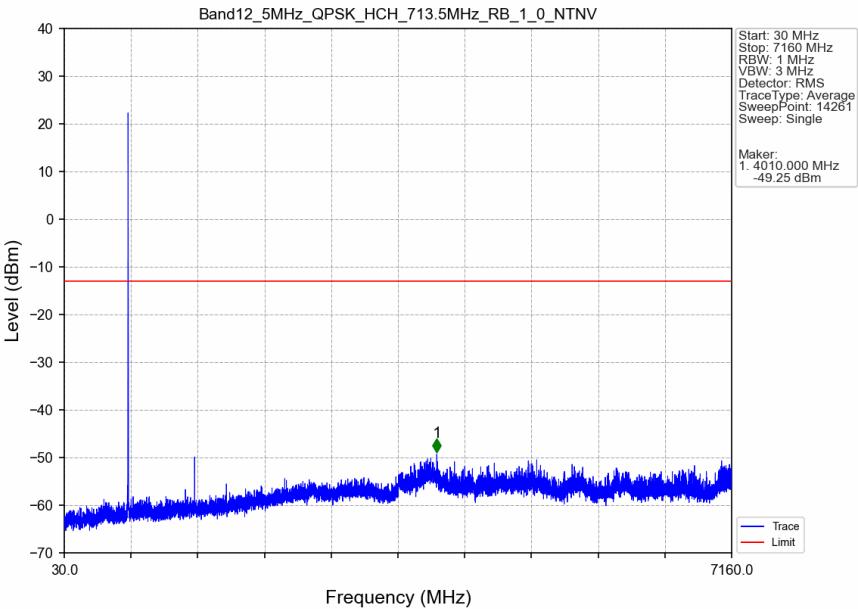


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-30.33	-13	Pass
698.9	699	0.03	/	2	698.990	-29.81	-13	Pass
699	704	0.03	/	/	/	/	/	/

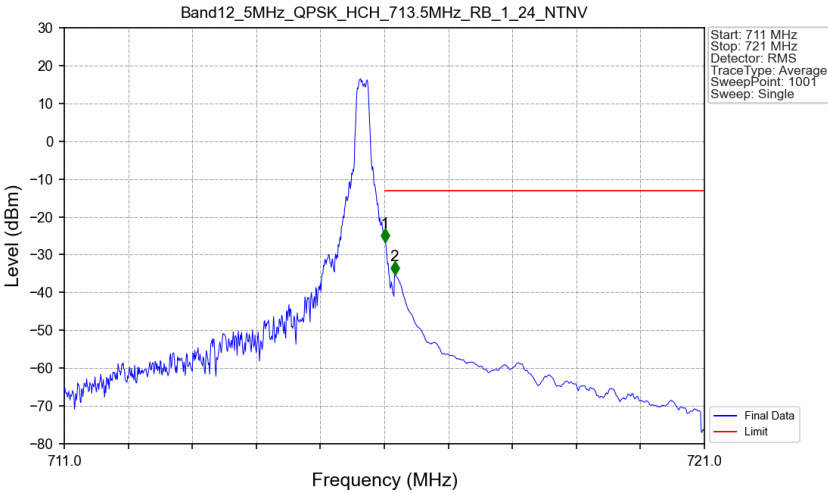
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTN

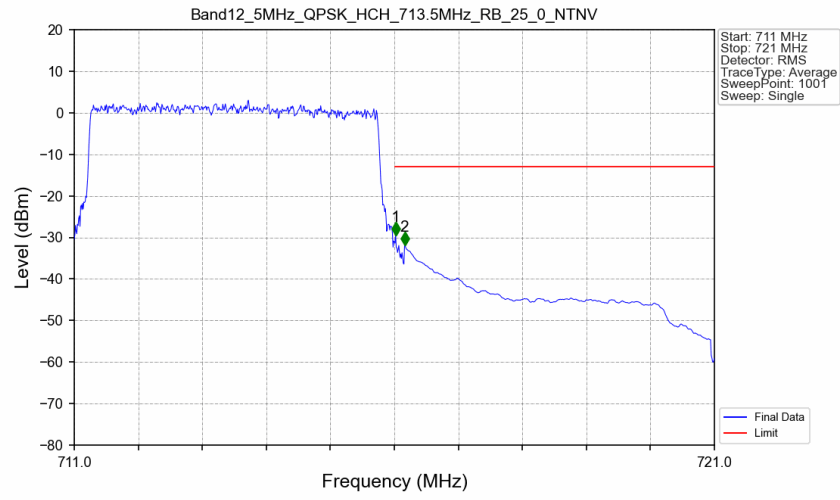


Band12 5MHz QPSK HCH 713.5MHz RB 1 24 NTN



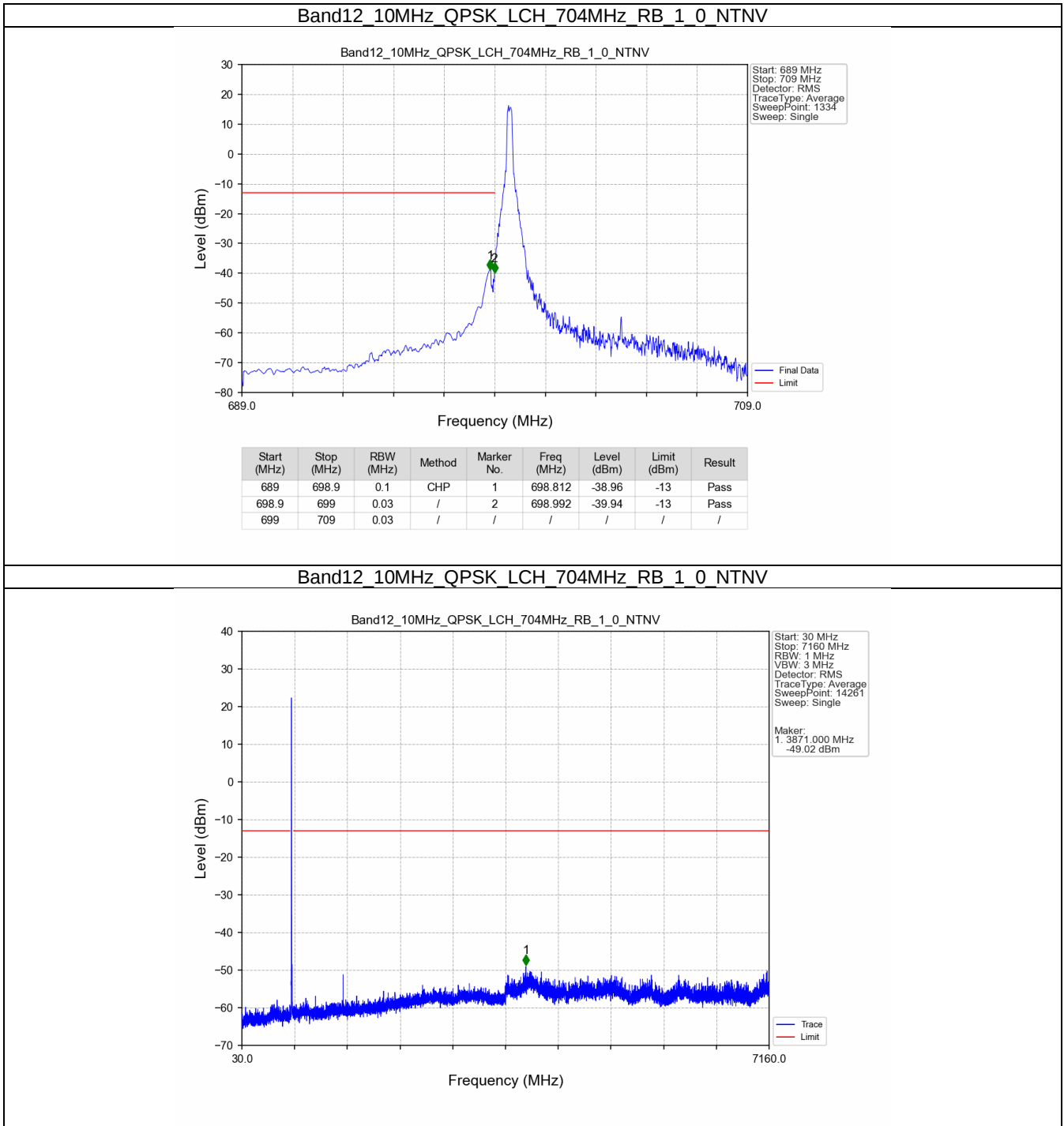
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-26.67	-13	Pass
716.1	721	0.1	CHP	2	716.160	-35.26	-13	Pass

Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV

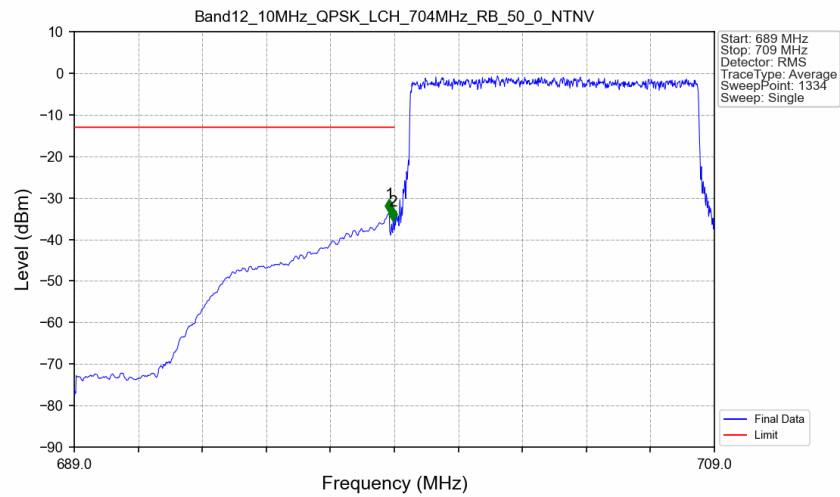


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-29.44	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.82	-13	Pass

5.2.4 B12_10MHz

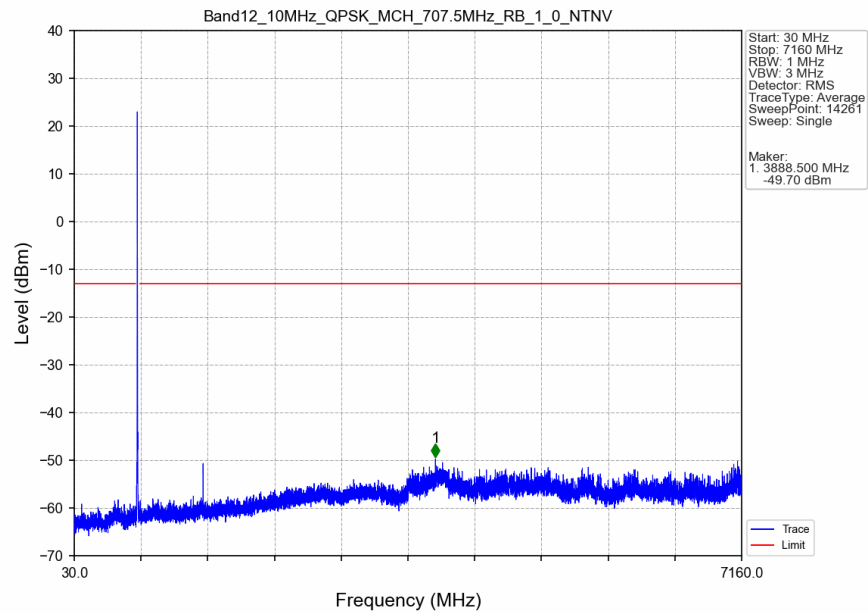


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

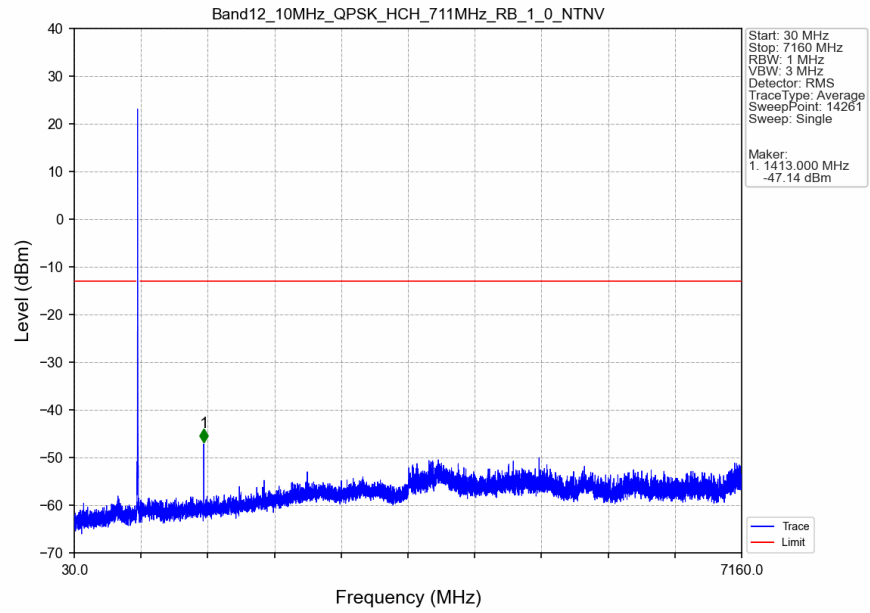


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-33.56	-13	Pass
698.9	699	0.03	/	2	698.962	-35.39	-13	Pass
699	709	0.03	/	/	/	/	/	/

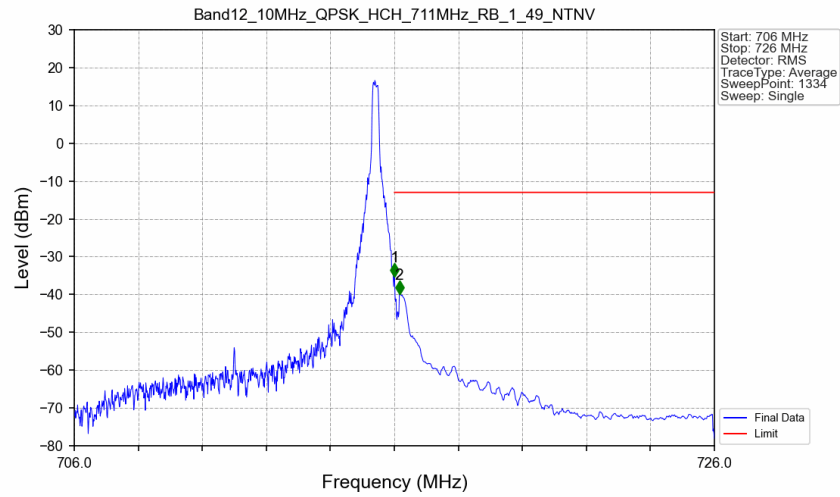
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12 10MHz QPSK HCH 711MHz RB 1 0 NTN

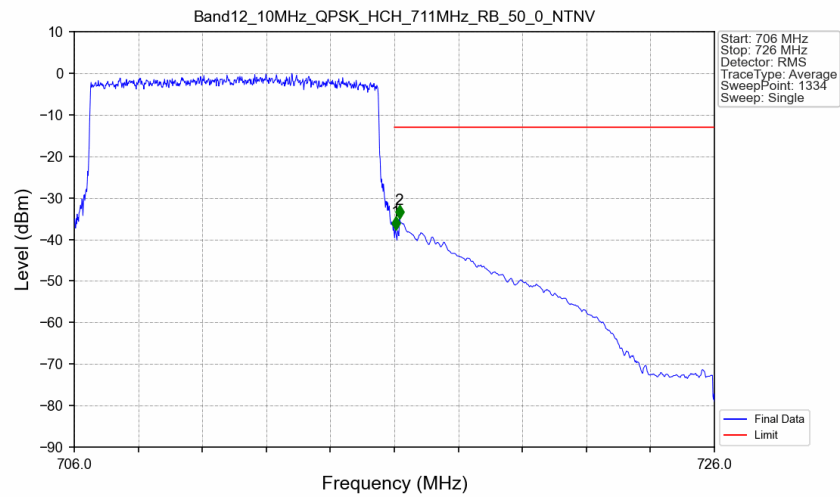


Band12 10MHz QPSK HCH 711MHz RB 1 49 NTN



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	-35.16	-13	Pass
716.1	726	0.1	CHP	2	716.158	-39.77	-13	Pass

Band12 10MHz QPSK HCH 711MHz RB 50 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-37.71	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.01	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 12-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1399.0	-66.52	-13	-53.52	-69.29	2.47	5.24	Horizontal	Pass
2098.5	-63.7	-13	-50.7	-65.77	2.79	4.86	Horizontal	Pass
2798.0	-61.21	-13	-48.21	-64.57	3.12	6.48	Horizontal	Pass
1399.0	-66.32	-13	-53.32	-69.09	2.47	5.24	Vertical	Pass
2098.5	-62.95	-13	-49.95	-65.02	2.79	4.86	Vertical	Pass
2798.0	-61.55	-13	-48.55	-64.91	3.12	6.48	Vertical	Pass

LTE Band 12-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1406.0	-65.87	-13	-52.87	-68.67	2.48	5.28	Horizontal	Pass
2109.0	-62.89	-13	-49.89	-64.97	2.8	4.88	Horizontal	Pass
2812.0	-61.38	-13	-48.38	-64.77	3.12	6.51	Horizontal	Pass
1406.0	-67.83	-13	-54.83	-70.63	2.48	5.28	Vertical	Pass
2109.0	-63.24	-13	-50.24	-65.32	2.8	4.88	Vertical	Pass
2812.0	-59.84	-13	-46.84	-63.23	3.12	6.51	Vertical	Pass

LTE Band 12-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1413.0	-66.08	-13	-53.08	-68.92	2.49	5.33	Horizontal	Pass
2119.5	-63.96	-13	-50.96	-66.06	2.81	4.91	Horizontal	Pass
2826.0	-61.08	-13	-48.08	-64.49	3.13	6.54	Horizontal	Pass
1413.0	-65.08	-13	-52.08	-67.92	2.49	5.33	Vertical	Pass
2119.5	-63.11	-13	-50.11	-65.21	2.81	4.91	Vertical	Pass
2826.0	-61.24	-13	-48.24	-64.65	3.13	6.54	Vertical	Pass