

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	23.52	-1.30	20.07	<=34.77	Pass
			2	23.25	-1.30	19.80	<=34.77	Pass
			5	23.42	-1.30	19.97	<=34.77	Pass
		3	0	23.13	-1.30	19.68	<=34.77	Pass
			2	23.35	-1.30	19.90	<=34.77	Pass
			3	23.21	-1.30	19.76	<=34.77	Pass
		6	0	22.45	-1.30	19.00	<=34.77	Pass
	707.5	1	0	23.53	-1.30	20.08	<=34.77	Pass
			2	23.50	-1.30	20.05	<=34.77	Pass
			5	23.52	-1.30	20.07	<=34.77	Pass
		3	0	23.48	-1.30	20.03	<=34.77	Pass
			2	23.48	-1.30	20.03	<=34.77	Pass
			3	23.32	-1.30	19.87	<=34.77	Pass
		6	0	22.54	-1.30	19.09	<=34.77	Pass
	715.3	1	0	23.38	-1.30	19.93	<=34.77	Pass
			2	23.22	-1.30	19.77	<=34.77	Pass
			5	23.39	-1.30	19.94	<=34.77	Pass
		3	0	23.48	-1.30	20.03	<=34.77	Pass
			2	23.44	-1.30	19.99	<=34.77	Pass
			3	23.46	-1.30	20.01	<=34.77	Pass
		6	0	22.47	-1.30	19.02	<=34.77	Pass
16QAM	699.7	1	0	21.87	-1.30	18.42	<=34.77	Pass
			2	22.64	-1.30	19.19	<=34.77	Pass
			5	22.57	-1.30	19.12	<=34.77	Pass
		3	0	22.23	-1.30	18.78	<=34.77	Pass
			2	22.47	-1.30	19.02	<=34.77	Pass
			3	22.46	-1.30	19.01	<=34.77	Pass
		6	0	21.40	-1.30	17.95	<=34.77	Pass
	707.5	1	0	22.77	-1.30	19.32	<=34.77	Pass
			2	22.77	-1.30	19.32	<=34.77	Pass
			5	22.83	-1.30	19.38	<=34.77	Pass
		3	0	22.55	-1.30	19.10	<=34.77	Pass
			2	22.64	-1.30	19.19	<=34.77	Pass
			3	22.54	-1.30	19.09	<=34.77	Pass
		6	0	21.68	-1.30	18.23	<=34.77	Pass
	715.3	1	0	22.64	-1.30	19.19	<=34.77	Pass
			2	22.78	-1.30	19.33	<=34.77	Pass
			5	22.36	-1.30	18.91	<=34.77	Pass
		3	0	22.39	-1.30	18.94	<=34.77	Pass
			2	22.62	-1.30	19.17	<=34.77	Pass
			3	22.48	-1.30	19.03	<=34.77	Pass
		6	0	21.58	-1.30	18.13	<=34.77	Pass
64QAM	699.7	1	0	21.49	-1.30	18.04	<=34.77	Pass
			2	21.37	-1.30	17.92	<=34.77	Pass
			5	21.59	-1.30	18.14	<=34.77	Pass
		3	0	21.57	-1.30	18.12	<=34.77	Pass
			2	21.48	-1.30	18.03	<=34.77	Pass
			3	21.52	-1.30	18.07	<=34.77	Pass
		6	0	20.30	-1.30	16.85	<=34.77	Pass

	707.5	1	0	21.77	-1.30	18.32	<=34.77	Pass
			2	21.64	-1.30	18.19	<=34.77	Pass
			5	21.72	-1.30	18.27	<=34.77	Pass
		3	0	21.68	-1.30	18.23	<=34.77	Pass
			2	21.74	-1.30	18.29	<=34.77	Pass
			3	21.75	-1.30	18.30	<=34.77	Pass
		6	0	20.69	-1.30	17.24	<=34.77	Pass
	715.3	1	0	21.67	-1.30	18.22	<=34.77	Pass
			2	21.29	-1.30	17.84	<=34.77	Pass
			5	21.37	-1.30	17.92	<=34.77	Pass
		3	0	21.60	-1.30	18.15	<=34.77	Pass
			2	21.52	-1.30	18.07	<=34.77	Pass
			3	21.60	-1.30	18.15	<=34.77	Pass
		6	0	20.70	-1.30	17.25	<=34.77	Pass
256QAM	699.7	1	0	18.50	-1.30	15.05	<=34.77	Pass
			2	18.60	-1.30	15.15	<=34.77	Pass
			5	18.67	-1.30	15.22	<=34.77	Pass
		3	0	18.54	-1.30	15.09	<=34.77	Pass
			2	18.66	-1.30	15.21	<=34.77	Pass
			3	18.63	-1.30	15.18	<=34.77	Pass
		6	0	18.37	-1.30	14.92	<=34.77	Pass
	707.5	1	0	18.91	-1.30	15.46	<=34.77	Pass
			2	18.74	-1.30	15.29	<=34.77	Pass
			5	18.79	-1.30	15.34	<=34.77	Pass
		3	0	18.91	-1.30	15.46	<=34.77	Pass
			2	18.78	-1.30	15.33	<=34.77	Pass
			3	18.79	-1.30	15.34	<=34.77	Pass
		6	0	18.74	-1.30	15.29	<=34.77	Pass
	715.3	1	0	18.88	-1.30	15.43	<=34.77	Pass
			2	18.47	-1.30	15.02	<=34.77	Pass
			5	18.54	-1.30	15.09	<=34.77	Pass
		3	0	18.77	-1.30	15.32	<=34.77	Pass
			2	18.77	-1.30	15.32	<=34.77	Pass
			3	18.79	-1.30	15.34	<=34.77	Pass
		6	0	18.63	-1.30	15.18	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.34	-1.30	19.89	<=34.77	Pass
			7	23.32	-1.30	19.87	<=34.77	Pass
			14	23.38	-1.30	19.93	<=34.77	Pass
		8	0	22.43	-1.30	18.98	<=34.77	Pass
			4	22.42	-1.30	18.97	<=34.77	Pass
			7	22.47	-1.30	19.02	<=34.77	Pass
		15	0	22.41	-1.30	18.96	<=34.77	Pass
	707.5	1	0	23.57	-1.30	20.12	<=34.77	Pass
			7	23.74	-1.30	20.29	<=34.77	Pass
			14	23.52	-1.30	20.07	<=34.77	Pass
		8	0	22.65	-1.30	19.20	<=34.77	Pass
			4	22.58	-1.30	19.13	<=34.77	Pass
			7	22.56	-1.30	19.11	<=34.77	Pass
		15	0	22.63	-1.30	19.18	<=34.77	Pass
	714.5	1	0	23.31	-1.30	19.86	<=34.77	Pass

		8	7	23.51	-1.30	20.06	<=34.77	Pass
			14	23.33	-1.30	19.88	<=34.77	Pass
			0	22.39	-1.30	18.94	<=34.77	Pass
			4	22.50	-1.30	19.05	<=34.77	Pass
			7	22.53	-1.30	19.08	<=34.77	Pass
		15	0	22.33	-1.30	18.88	<=34.77	Pass
16QAM	700.5	1	0	22.62	-1.30	19.17	<=34.77	Pass
			7	22.75	-1.30	19.30	<=34.77	Pass
			14	22.68	-1.30	19.23	<=34.77	Pass
		8	0	21.53	-1.30	18.08	<=34.77	Pass
			4	21.58	-1.30	18.13	<=34.77	Pass
			7	21.54	-1.30	18.09	<=34.77	Pass
		15	0	21.46	-1.30	18.01	<=34.77	Pass
	707.5	1	0	22.76	-1.30	19.31	<=34.77	Pass
			7	22.44	-1.30	18.99	<=34.77	Pass
			14	22.56	-1.30	19.11	<=34.77	Pass
		8	0	21.66	-1.30	18.21	<=34.77	Pass
			4	21.59	-1.30	18.14	<=34.77	Pass
			7	21.61	-1.30	18.16	<=34.77	Pass
		15	0	21.56	-1.30	18.11	<=34.77	Pass
	714.5	1	0	22.68	-1.30	19.23	<=34.77	Pass
			7	22.30	-1.30	18.85	<=34.77	Pass
			14	22.60	-1.30	19.15	<=34.77	Pass
		8	0	21.59	-1.30	18.14	<=34.77	Pass
			4	21.50	-1.30	18.05	<=34.77	Pass
			7	21.55	-1.30	18.10	<=34.77	Pass
		15	0	21.59	-1.30	18.14	<=34.77	Pass
64QAM	700.5	1	0	21.41	-1.30	17.96	<=34.77	Pass
			7	21.44	-1.30	17.99	<=34.77	Pass
			14	21.68	-1.30	18.23	<=34.77	Pass
		8	0	20.67	-1.30	17.22	<=34.77	Pass
			4	20.65	-1.30	17.20	<=34.77	Pass
			7	20.62	-1.30	17.17	<=34.77	Pass
		15	0	20.61	-1.30	17.16	<=34.77	Pass
	707.5	1	0	21.63	-1.30	18.18	<=34.77	Pass
			7	21.88	-1.30	18.43	<=34.77	Pass
			14	21.78	-1.30	18.33	<=34.77	Pass
		8	0	20.79	-1.30	17.34	<=34.77	Pass
			4	20.76	-1.30	17.31	<=34.77	Pass
			7	20.76	-1.30	17.31	<=34.77	Pass
		15	0	20.68	-1.30	17.23	<=34.77	Pass
	714.5	1	0	21.68	-1.30	18.23	<=34.77	Pass
			7	21.57	-1.30	18.12	<=34.77	Pass
			14	21.59	-1.30	18.14	<=34.77	Pass
		8	0	20.76	-1.30	17.31	<=34.77	Pass
			4	20.73	-1.30	17.28	<=34.77	Pass
			7	20.75	-1.30	17.30	<=34.77	Pass
		15	0	20.61	-1.30	17.16	<=34.77	Pass
256QAM	700.5	1	0	18.58	-1.30	15.13	<=34.77	Pass
			7	18.67	-1.30	15.22	<=34.77	Pass
			14	18.51	-1.30	15.06	<=34.77	Pass
		8	0	18.62	-1.30	15.17	<=34.77	Pass
			4	18.61	-1.30	15.16	<=34.77	Pass
			7	18.63	-1.30	15.18	<=34.77	Pass
		15	0	18.55	-1.30	15.10	<=34.77	Pass
	707.5	1	0	18.79	-1.30	15.34	<=34.77	Pass
			7	18.25	-1.30	14.80	<=34.77	Pass
			14	18.77	-1.30	15.32	<=34.77	Pass
		8	0	18.71	-1.30	15.26	<=34.77	Pass
			0	18.71	-1.30	15.26	<=34.77	Pass

			4	18.71	-1.30	15.26	<=34.77	Pass
			7	18.72	-1.30	15.27	<=34.77	Pass
		15	0	18.66	-1.30	15.21	<=34.77	Pass
	714.5	1	0	18.83	-1.30	15.38	<=34.77	Pass
			7	18.75	-1.30	15.30	<=34.77	Pass
			14	18.80	-1.30	15.35	<=34.77	Pass
		8	0	18.70	-1.30	15.25	<=34.77	Pass
			4	18.68	-1.30	15.23	<=34.77	Pass
			7	18.67	-1.30	15.22	<=34.77	Pass
		15	0	18.70	-1.30	15.25	<=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	22.97	-1.30	19.52	<=34.77	Pass
			13	23.47	-1.30	20.02	<=34.77	Pass
			24	23.53	-1.30	20.08	<=34.77	Pass
		12	0	22.58	-1.30	19.13	<=34.77	Pass
			6	22.59	-1.30	19.14	<=34.77	Pass
			13	22.54	-1.30	19.09	<=34.77	Pass
		25	0	22.60	-1.30	19.15	<=34.77	Pass
	707.5	1	0	23.62	-1.30	20.17	<=34.77	Pass
			13	23.53	-1.30	20.08	<=34.77	Pass
			24	23.66	-1.30	20.21	<=34.77	Pass
		12	0	22.72	-1.30	19.27	<=34.77	Pass
			6	22.67	-1.30	19.22	<=34.77	Pass
			13	22.62	-1.30	19.17	<=34.77	Pass
		25	0	22.74	-1.30	19.29	<=34.77	Pass
	713.5	1	0	23.68	-1.30	20.23	<=34.77	Pass
			13	23.52	-1.30	20.07	<=34.77	Pass
			24	23.63	-1.30	20.18	<=34.77	Pass
		12	0	22.72	-1.30	19.27	<=34.77	Pass
			6	22.67	-1.30	19.22	<=34.77	Pass
			13	22.64	-1.30	19.19	<=34.77	Pass
		25	0	22.69	-1.30	19.24	<=34.77	Pass
16QAM	701.5	1	0	22.69	-1.30	19.24	<=34.77	Pass
			13	22.68	-1.30	19.23	<=34.77	Pass
			24	22.85	-1.30	19.40	<=34.77	Pass
		12	0	21.55	-1.30	18.10	<=34.77	Pass
			6	21.17	-1.30	17.72	<=34.77	Pass
			13	21.58	-1.30	18.13	<=34.77	Pass
		25	0	21.52	-1.30	18.07	<=34.77	Pass
	707.5	1	0	22.66	-1.30	19.21	<=34.77	Pass
			13	22.92	-1.30	19.47	<=34.77	Pass
			24	22.99	-1.30	19.54	<=34.77	Pass
		12	0	21.69	-1.30	18.24	<=34.77	Pass
			6	21.69	-1.30	18.24	<=34.77	Pass
			13	21.50	-1.30	18.05	<=34.77	Pass
		25	0	21.60	-1.30	18.15	<=34.77	Pass
	713.5	1	0	22.87	-1.30	19.42	<=34.77	Pass
			13	22.42	-1.30	18.97	<=34.77	Pass
			24	22.51	-1.30	19.06	<=34.77	Pass
		12	0	21.66	-1.30	18.21	<=34.77	Pass
			6	21.70	-1.30	18.25	<=34.77	Pass

			13	21.67	-1.30	18.22	<=34.77	Pass	
		25	0	21.58	-1.30	18.13	<=34.77	Pass	
64QAM	701.5	1	0	21.57	-1.30	18.12	<=34.77	Pass	
			13	21.57	-1.30	18.12	<=34.77	Pass	
			24	21.68	-1.30	18.23	<=34.77	Pass	
			0	20.68	-1.30	17.23	<=34.77	Pass	
		12	6	20.74	-1.30	17.29	<=34.77	Pass	
			13	20.71	-1.30	17.26	<=34.77	Pass	
			25	0	20.68	-1.30	17.23	<=34.77	Pass
		707.5	1	0	21.32	-1.30	17.87	<=34.77	Pass
				13	21.76	-1.30	18.31	<=34.77	Pass
				24	21.86	-1.30	18.41	<=34.77	Pass
	0			20.87	-1.30	17.42	<=34.77	Pass	
	12		6	20.88	-1.30	17.43	<=34.77	Pass	
			13	20.86	-1.30	17.41	<=34.77	Pass	
			25	0	20.80	-1.30	17.35	<=34.77	Pass
	713.5		1	0	21.46	-1.30	18.01	<=34.77	Pass
		13		21.63	-1.30	18.18	<=34.77	Pass	
		24		21.26	-1.30	17.81	<=34.77	Pass	
		0		20.85	-1.30	17.40	<=34.77	Pass	
		12	6	20.81	-1.30	17.36	<=34.77	Pass	
			13	20.81	-1.30	17.36	<=34.77	Pass	
			25	0	20.64	-1.30	17.19	<=34.77	Pass
		256QAM	701.5	1	0	18.54	-1.30	15.09	<=34.77
	13				18.73	-1.30	15.28	<=34.77	Pass
24	18.70				-1.30	15.25	<=34.77	Pass	
12	0			18.65	-1.30	15.20	<=34.77	Pass	
	6			18.54	-1.30	15.09	<=34.77	Pass	
	13			18.68	-1.30	15.23	<=34.77	Pass	
	25			0	18.69	-1.30	15.24	<=34.77	Pass
707.5	1		0	18.63	-1.30	15.18	<=34.77	Pass	
			13	18.86	-1.30	15.41	<=34.77	Pass	
			24	18.89	-1.30	15.44	<=34.77	Pass	
			0	18.81	-1.30	15.36	<=34.77	Pass	
	12		6	18.79	-1.30	15.34	<=34.77	Pass	
			13	18.74	-1.30	15.29	<=34.77	Pass	
			25	0	18.79	-1.30	15.34	<=34.77	Pass
713.5	1		0	18.77	-1.30	15.32	<=34.77	Pass	
			13	18.62	-1.30	15.17	<=34.77	Pass	
			24	18.80	-1.30	15.35	<=34.77	Pass	
			0	18.80	-1.30	15.35	<=34.77	Pass	
	12		6	18.81	-1.30	15.36	<=34.77	Pass	
			13	18.71	-1.30	15.26	<=34.77	Pass	
			25	0	18.79	-1.30	15.34	<=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	23.60	-1.30	20.15	<=34.77	Pass
			25	23.43	-1.30	19.98	<=34.77	Pass
			49	23.79	-1.30	20.34	<=34.77	Pass
		25	0	22.61	-1.30	19.16	<=34.77	Pass
			13	22.65	-1.30	19.20	<=34.77	Pass
			25	22.61	-1.30	19.16	<=34.77	Pass

		50	0	22.64	-1.30	19.19	<=34.77	Pass	
		707.5	1	0	23.39	-1.30	19.94	<=34.77	Pass
				25	23.71	-1.30	20.26	<=34.77	Pass
				49	23.39	-1.30	19.94	<=34.77	Pass
			25	0	22.66	-1.30	19.21	<=34.77	Pass
				13	22.73	-1.30	19.28	<=34.77	Pass
				25	22.57	-1.30	19.12	<=34.77	Pass
		50	0	22.66	-1.30	19.21	<=34.77	Pass	
		711	1	0	23.73	-1.30	20.28	<=34.77	Pass
				25	23.64	-1.30	20.19	<=34.77	Pass
				49	23.57	-1.30	20.12	<=34.77	Pass
			25	0	22.73	-1.30	19.28	<=34.77	Pass
				13	22.69	-1.30	19.24	<=34.77	Pass
				25	22.62	-1.30	19.17	<=34.77	Pass
			50	0	22.69	-1.30	19.24	<=34.77	Pass
			16QAM	704	1	0	22.25	-1.30	18.80
25	22.82	-1.30				19.37	<=34.77	Pass	
49	22.89	-1.30				19.44	<=34.77	Pass	
25	0	21.58			-1.30	18.13	<=34.77	Pass	
	13	21.64			-1.30	18.19	<=34.77	Pass	
	25	21.55			-1.30	18.10	<=34.77	Pass	
50	0	21.65		-1.30	18.20	<=34.77	Pass		
707.5	1	0		22.85	-1.30	19.40	<=34.77	Pass	
		25		22.91	-1.30	19.46	<=34.77	Pass	
		49		22.83	-1.30	19.38	<=34.77	Pass	
	25	0		21.64	-1.30	18.19	<=34.77	Pass	
		13		21.38	-1.30	17.93	<=34.77	Pass	
		25		21.47	-1.30	18.02	<=34.77	Pass	
50	0	21.65		-1.30	18.20	<=34.77	Pass		
711	1	0		22.97	-1.30	19.52	<=34.77	Pass	
		25		22.86	-1.30	19.41	<=34.77	Pass	
		49		22.91	-1.30	19.46	<=34.77	Pass	
	25	0		21.76	-1.30	18.31	<=34.77	Pass	
		13		21.52	-1.30	18.07	<=34.77	Pass	
		25		21.61	-1.30	18.16	<=34.77	Pass	
	50	0		21.73	-1.30	18.28	<=34.77	Pass	
	64QAM	704		1	0	21.72	-1.30	18.27	<=34.77
25					21.70	-1.30	18.25	<=34.77	Pass
49					21.56	-1.30	18.11	<=34.77	Pass
25			0	20.62	-1.30	17.17	<=34.77	Pass	
			13	20.69	-1.30	17.24	<=34.77	Pass	
			25	20.77	-1.30	17.32	<=34.77	Pass	
50		0	20.72	-1.30	17.27	<=34.77	Pass		
707.5		1	0	21.65	-1.30	18.20	<=34.77	Pass	
			25	21.52	-1.30	18.07	<=34.77	Pass	
			49	21.42	-1.30	17.97	<=34.77	Pass	
		25	0	20.72	-1.30	17.27	<=34.77	Pass	
			13	20.80	-1.30	17.35	<=34.77	Pass	
			25	20.75	-1.30	17.30	<=34.77	Pass	
50		0	20.76	-1.30	17.31	<=34.77	Pass		
711		1	0	21.50	-1.30	18.05	<=34.77	Pass	
			25	21.72	-1.30	18.27	<=34.77	Pass	
			49	21.86	-1.30	18.41	<=34.77	Pass	
		25	0	20.75	-1.30	17.30	<=34.77	Pass	
			13	20.79	-1.30	17.34	<=34.77	Pass	
			25	20.75	-1.30	17.30	<=34.77	Pass	
		50	0	20.82	-1.30	17.37	<=34.77	Pass	
		256QAM	704	1	0	18.66	-1.30	15.21	<=34.77
25					18.73	-1.30	15.28	<=34.77	Pass

			49	18.92	-1.30	15.47	<=34.77	Pass
		25	0	18.68	-1.30	15.23	<=34.77	Pass
			13	18.71	-1.30	15.26	<=34.77	Pass
			25	18.77	-1.30	15.32	<=34.77	Pass
		50	0	18.64	-1.30	15.19	<=34.77	Pass
	707.5	1	0	18.79	-1.30	15.34	<=34.77	Pass
			25	18.84	-1.30	15.39	<=34.77	Pass
			49	18.87	-1.30	15.42	<=34.77	Pass
		25	0	18.72	-1.30	15.27	<=34.77	Pass
			13	18.82	-1.30	15.37	<=34.77	Pass
			25	18.77	-1.30	15.32	<=34.77	Pass
		50	0	18.74	-1.30	15.29	<=34.77	Pass
		711	1	0	18.99	-1.30	15.54	<=34.77
	25			18.77	-1.30	15.32	<=34.77	Pass
	49			18.85	-1.30	15.40	<=34.77	Pass
	25		0	18.82	-1.30	15.37	<=34.77	Pass
			13	18.76	-1.30	15.31	<=34.77	Pass
			25	18.75	-1.30	15.30	<=34.77	Pass
	50		0	18.81	-1.30	15.36	<=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	-0.800	-0.0011	-2.5 to 2.5	Pass
					NV	-6.600	-0.0093	-2.5 to 2.5	Pass
					HV	-3.500	-0.0049	-2.5 to 2.5	Pass
				-30	NV	0.800	0.0011	-2.5 to 2.5	Pass
				-20	NV	0.500	0.0007	-2.5 to 2.5	Pass
				-10	NV	-4.300	-0.0061	-2.5 to 2.5	Pass
				0	NV	2.700	0.0038	-2.5 to 2.5	Pass
				10	NV	-6.300	-0.0089	-2.5 to 2.5	Pass
				30	NV	2.100	0.0030	-2.5 to 2.5	Pass
				40	NV	0.900	0.0013	-2.5 to 2.5	Pass
				50	NV	-1.000	-0.0014	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

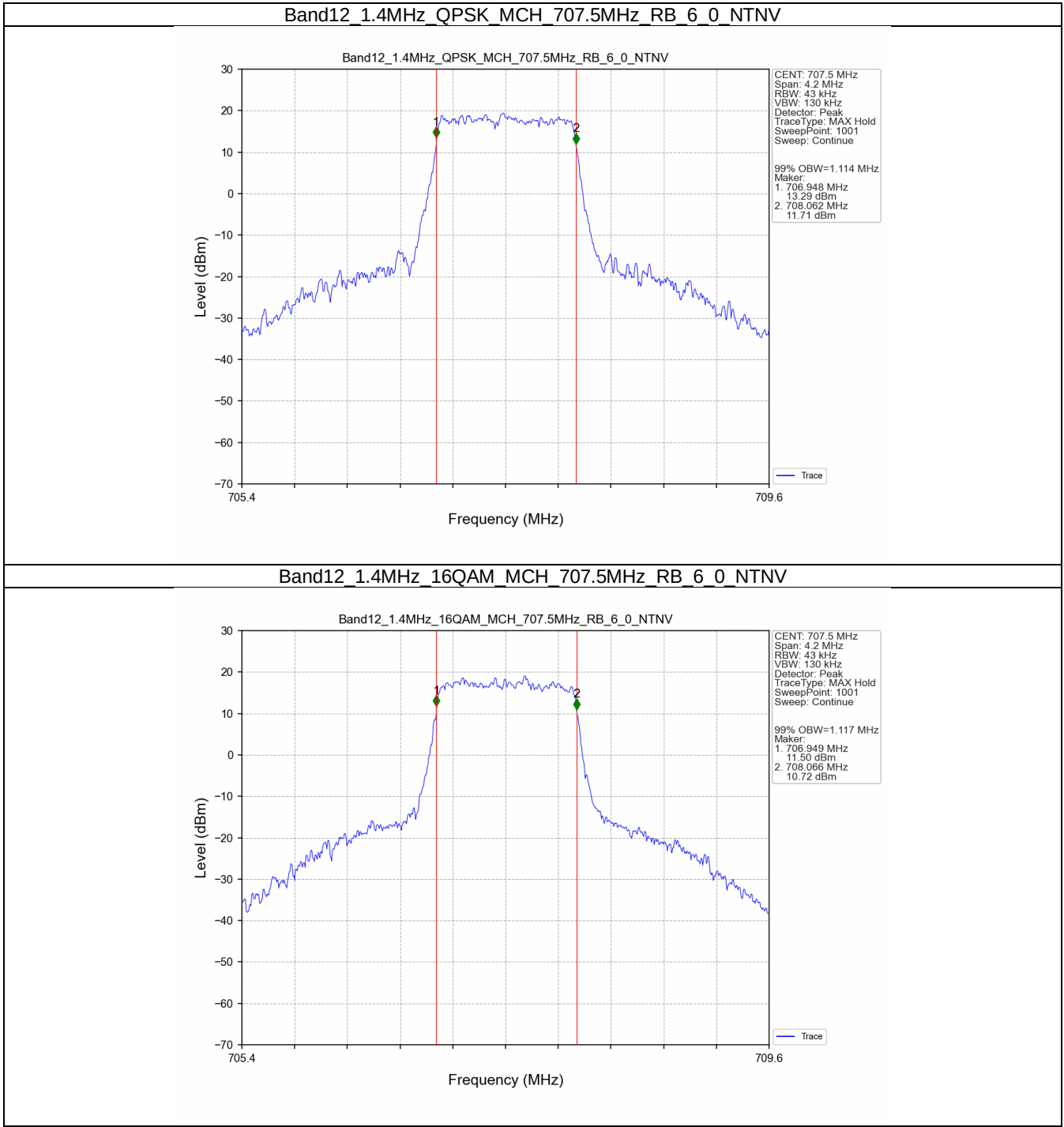
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.114	/	Pass
	16QAM	707.5	6	0	1.117	/	Pass
	64QAM	707.5	6	0	1.113	/	Pass
	256QAM	707.5	6	0	1.112	/	Pass
3	QPSK	707.5	15	0	2.719	/	Pass
	16QAM	707.5	15	0	2.725	/	Pass
	64QAM	707.5	15	0	2.722	/	Pass
	256QAM	707.5	15	0	2.722	/	Pass
5	QPSK	707.5	25	0	4.537	/	Pass
	16QAM	707.5	25	0	4.529	/	Pass
	64QAM	707.5	25	0	4.528	/	Pass
	256QAM	707.5	25	0	4.519	/	Pass
10	QPSK	707.5	50	0	9.066	/	Pass
	16QAM	707.5	50	0	9.030	/	Pass
	64QAM	707.5	50	0	9.025	/	Pass
	256QAM	707.5	50	0	9.002	/	Pass

3.1.2 Band12_XDB

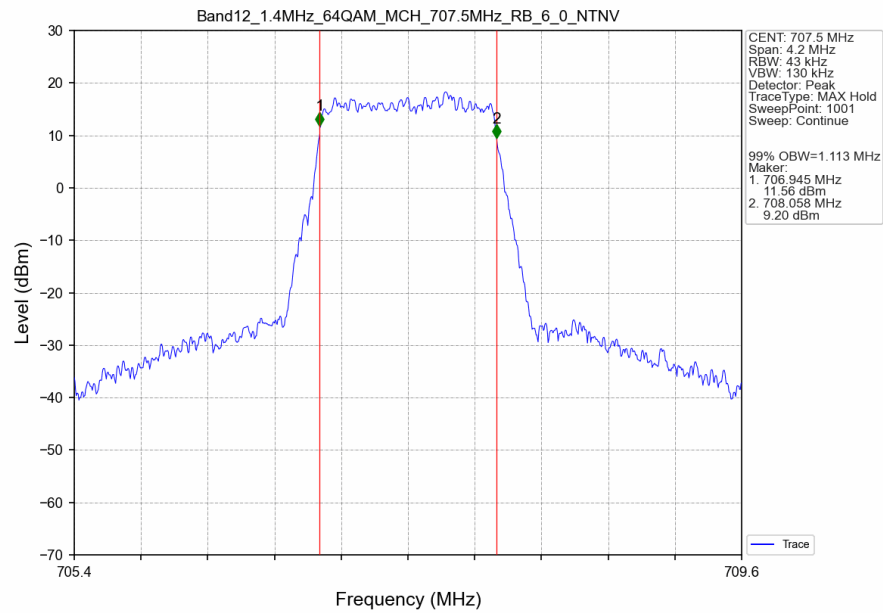
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.328	/	Pass
	16QAM	707.5	6	0	1.314	/	Pass
	64QAM	707.5	6	0	1.329	/	Pass
	256QAM	707.5	6	0	1.381	/	Pass
3	QPSK	707.5	15	0	3.016	/	Pass
	16QAM	707.5	15	0	3.003	/	Pass
	64QAM	707.5	15	0	2.987	/	Pass
	256QAM	707.5	15	0	3.013	/	Pass
5	QPSK	707.5	25	0	5.071	/	Pass
	16QAM	707.5	25	0	5.026	/	Pass
	64QAM	707.5	25	0	5.037	/	Pass
	256QAM	707.5	25	0	5.032	/	Pass
10	QPSK	707.5	50	0	9.935	/	Pass
	16QAM	707.5	50	0	9.938	/	Pass
	64QAM	707.5	50	0	9.916	/	Pass
	256QAM	707.5	50	0	9.984	/	Pass

3.2 Test Graph

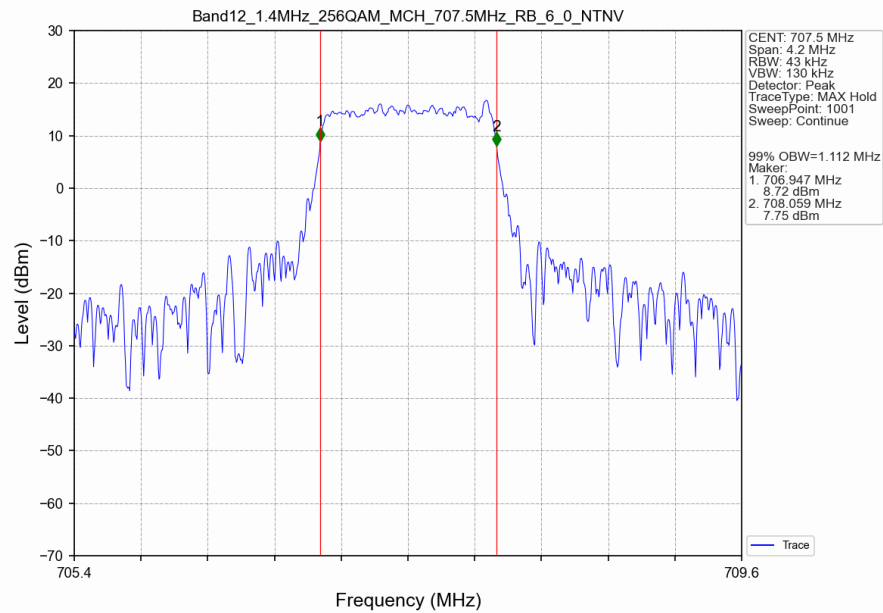
3.2.1 Band12_OBW



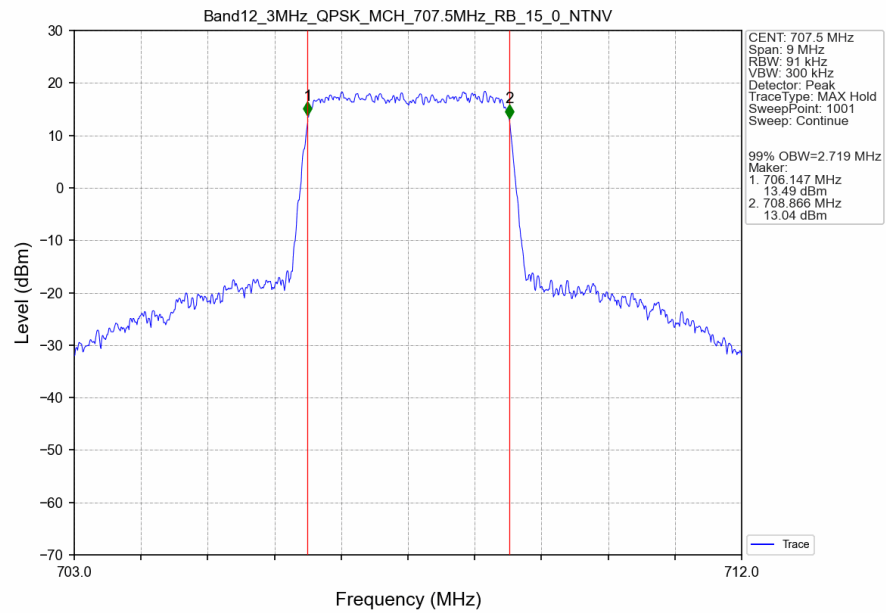
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV



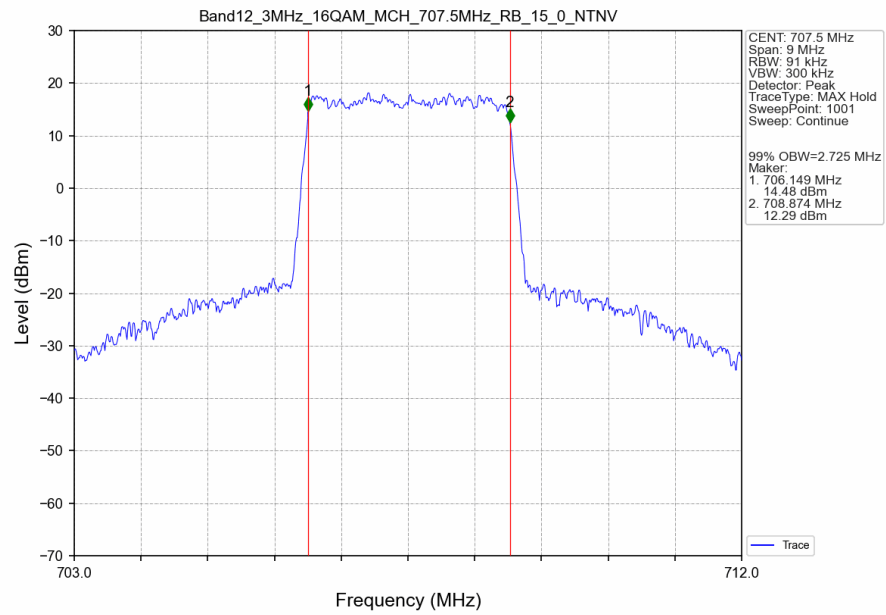
Band12 1.4MHz 256QAM MCH 707.5MHz RB 6 0 NTNV



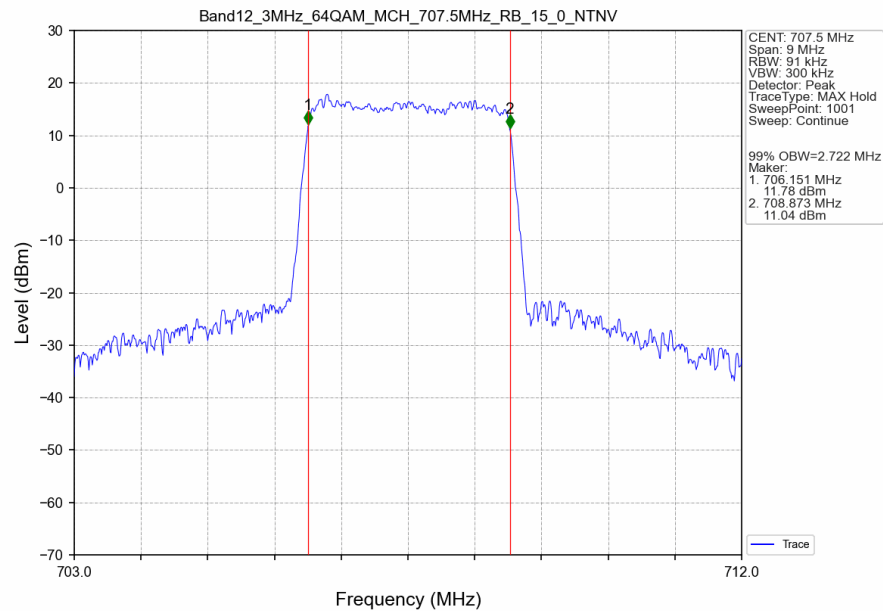
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



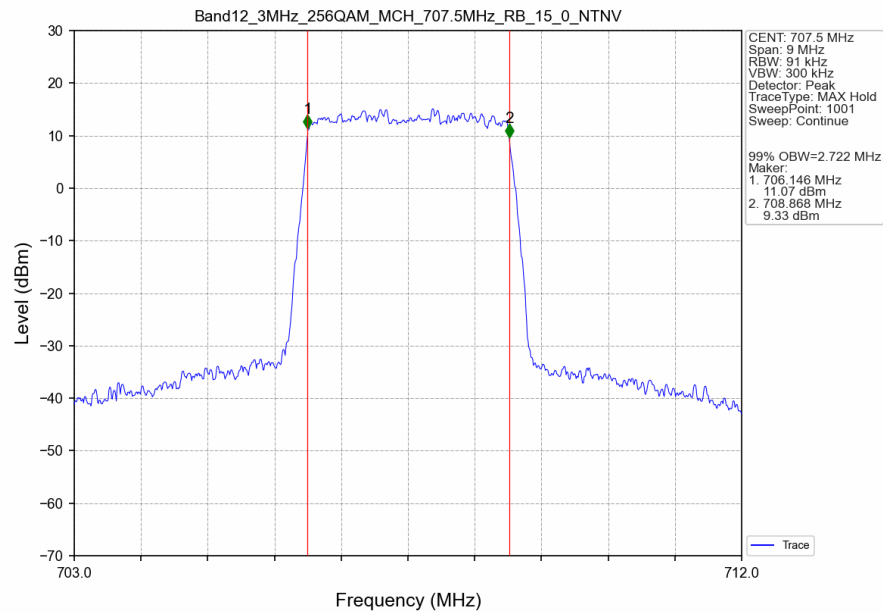
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



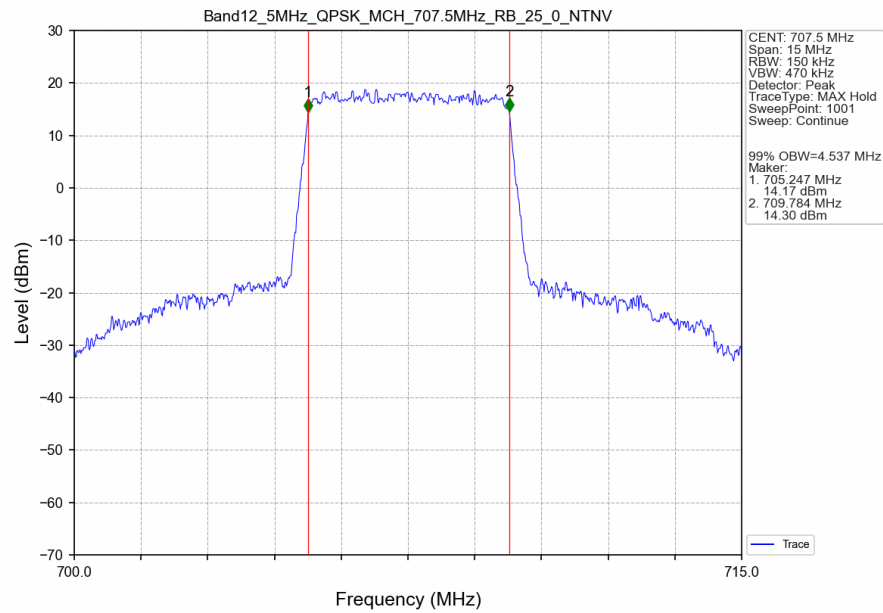
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTV



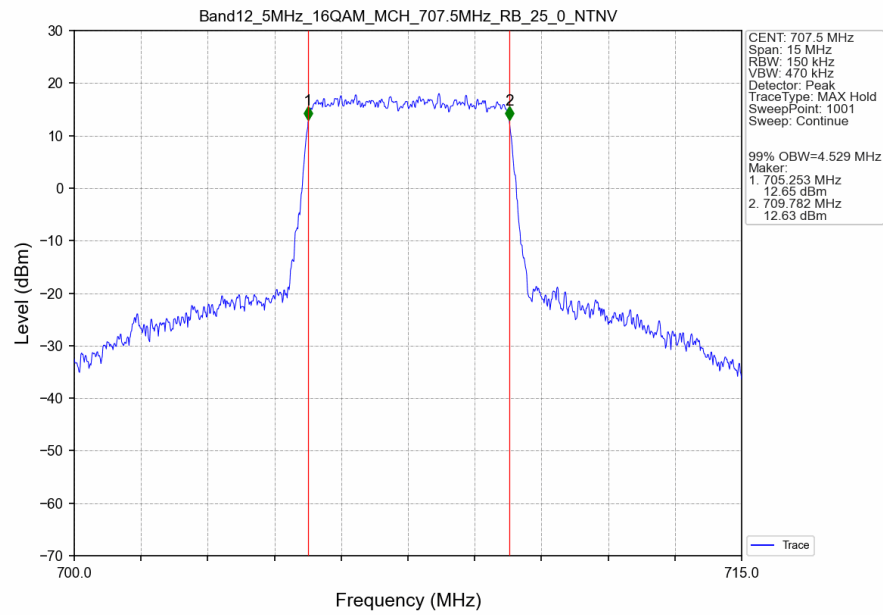
Band12 3MHz 256QAM MCH 707.5MHz RB 15 0 NTV



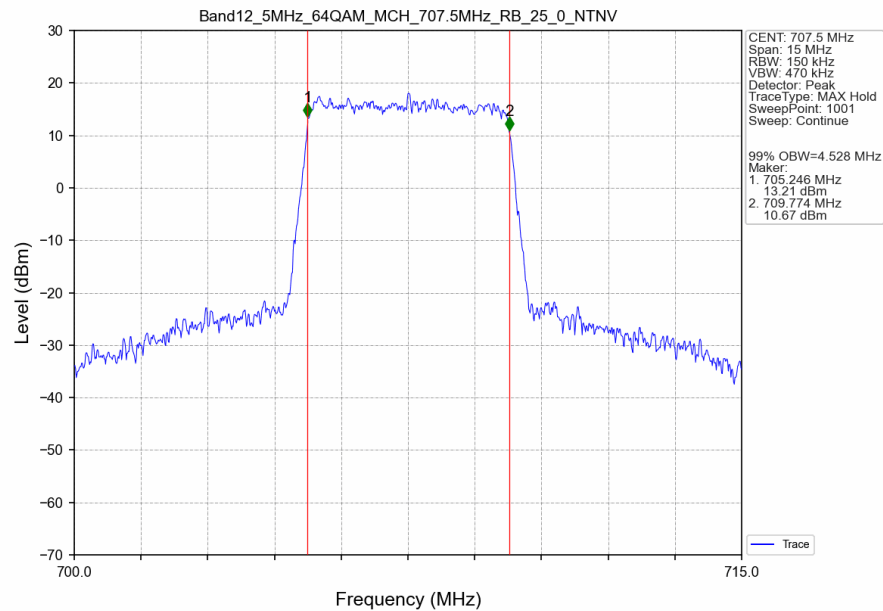
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



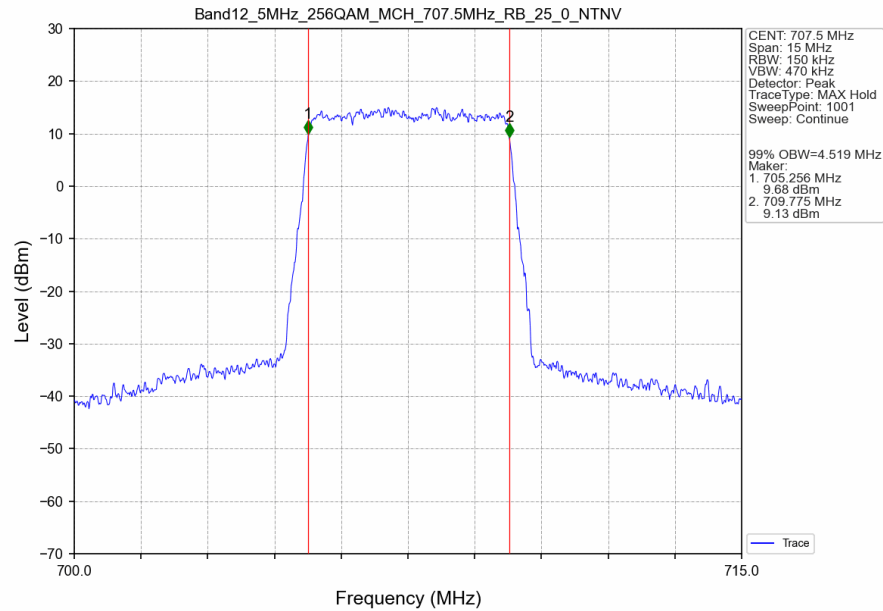
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



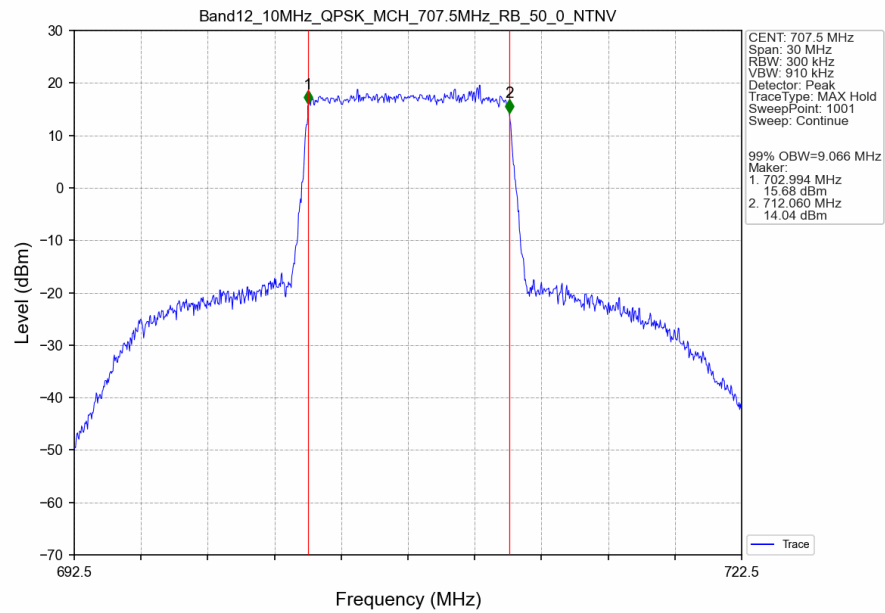
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTV



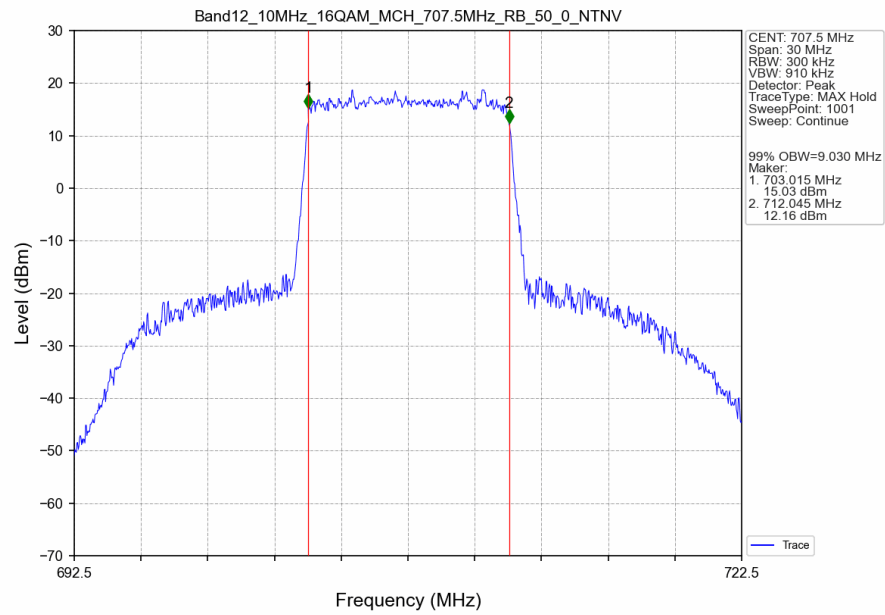
Band12 5MHz 256QAM MCH 707.5MHz RB 25 0 NTV



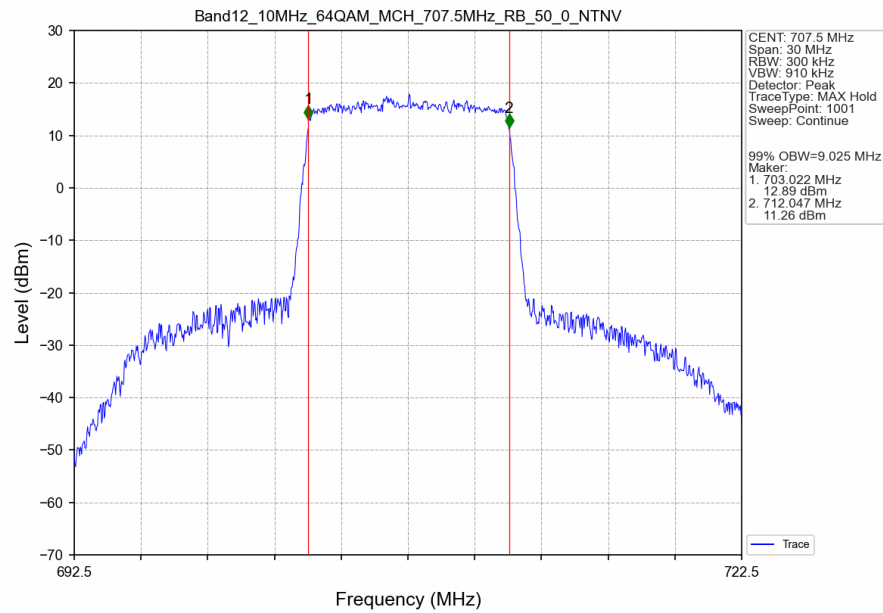
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTV



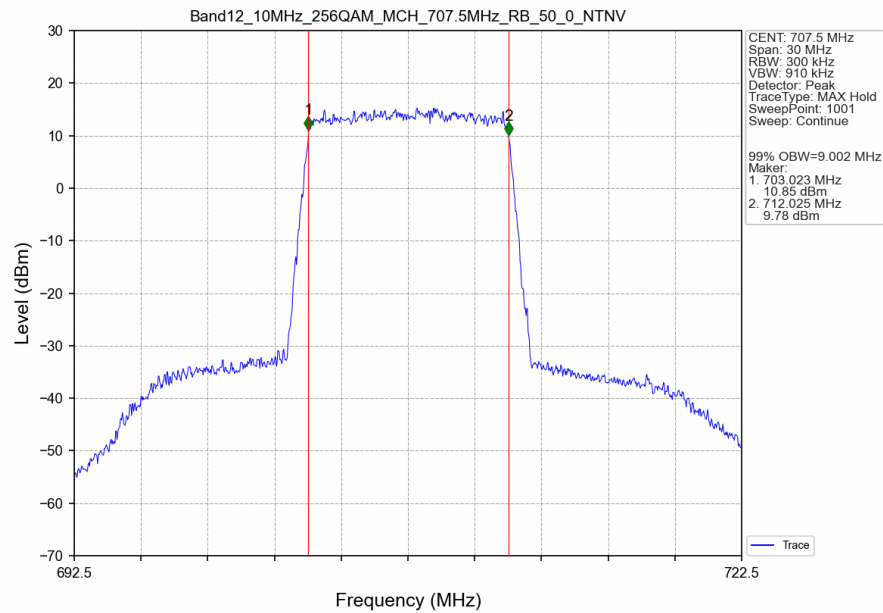
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTV



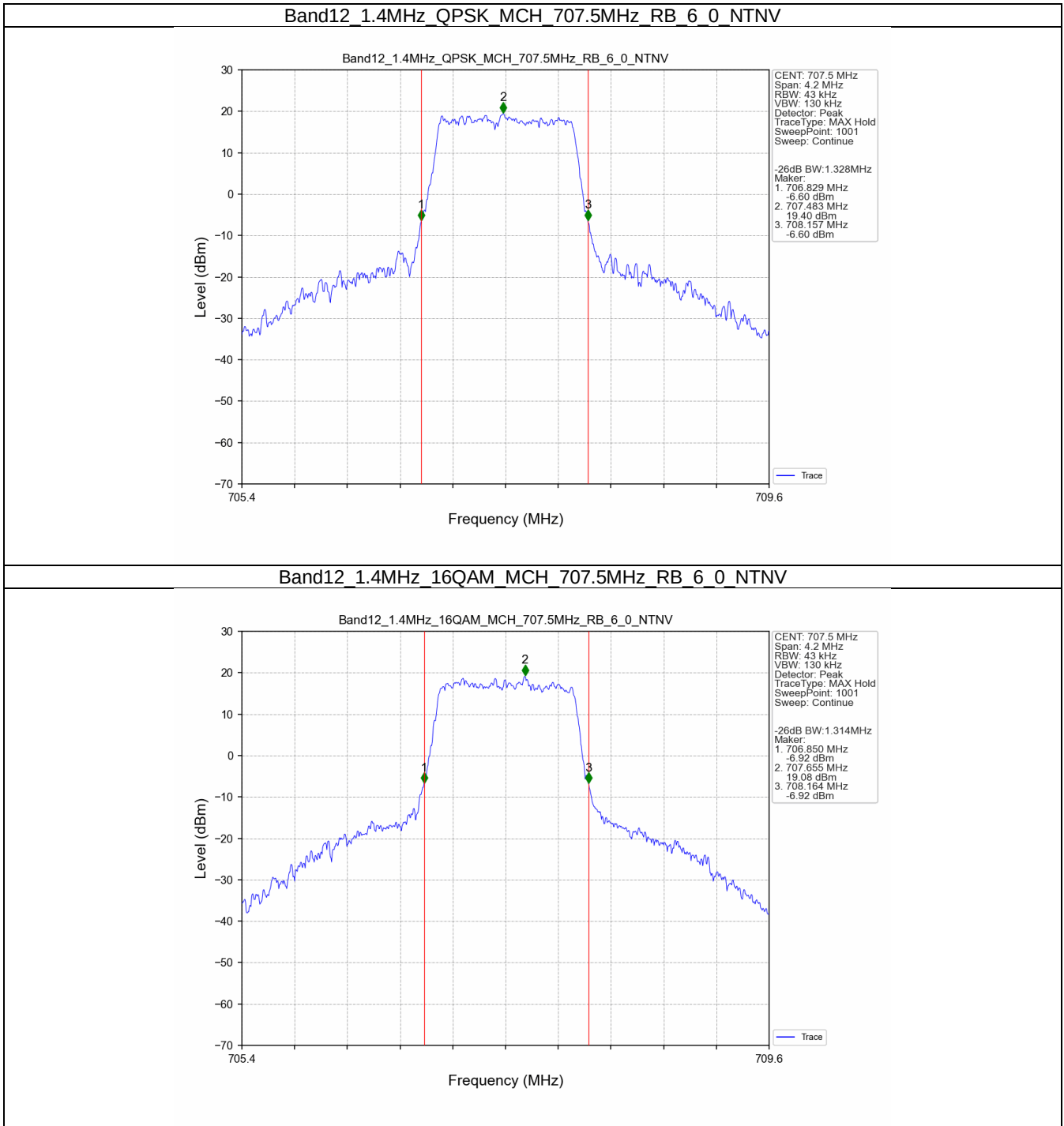
Band12 10MHz 64QAM MCH 707.5MHz RB 50 0 NTN



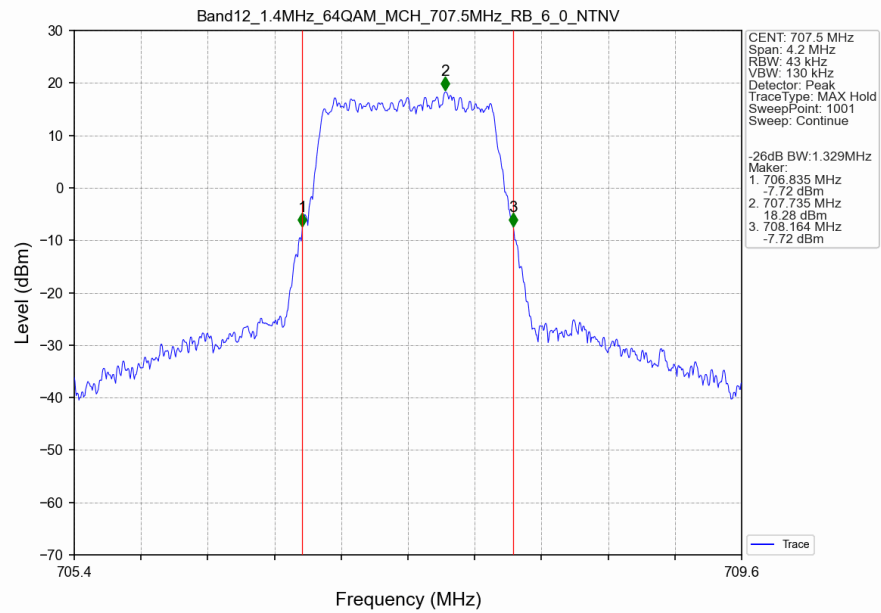
Band12 10MHz 256QAM MCH 707.5MHz RB 50 0 NTN



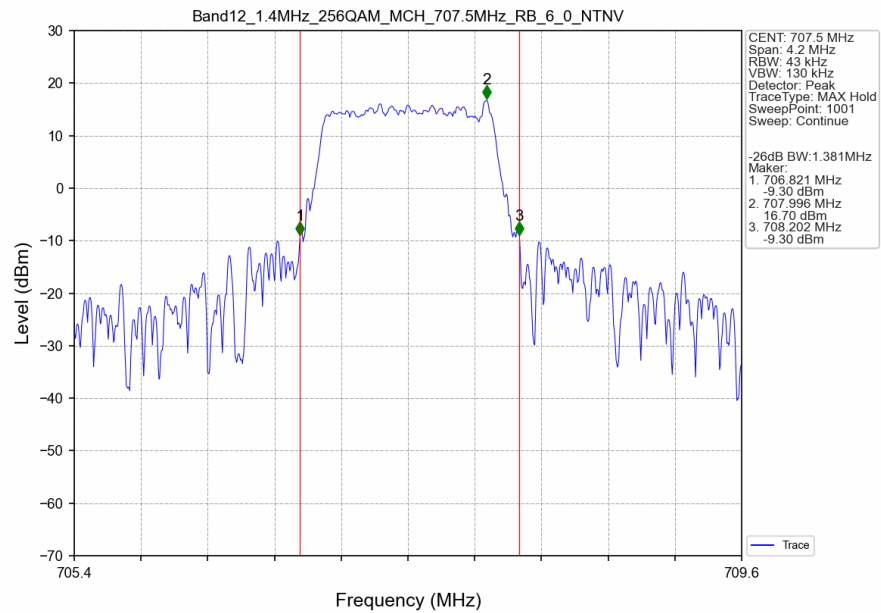
3.2.2 Band12_XDB



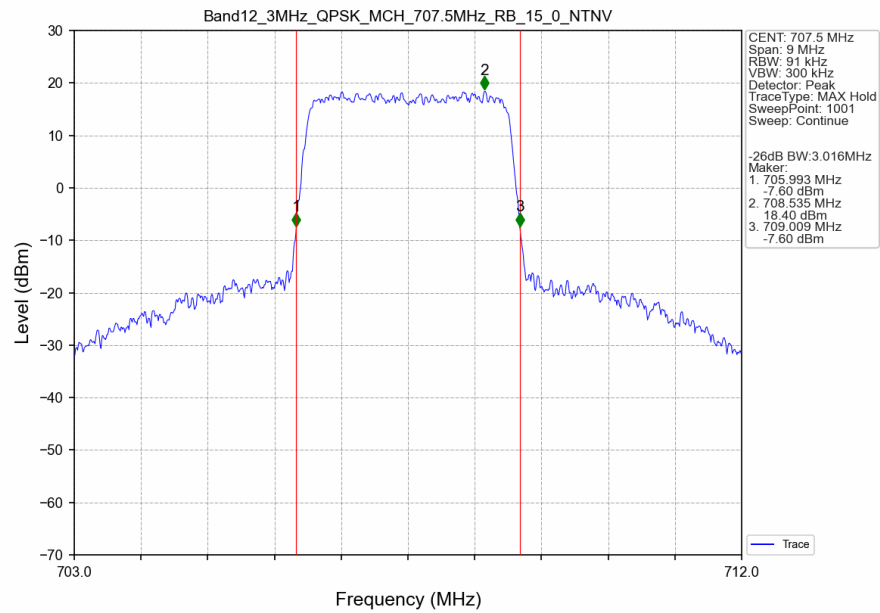
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV



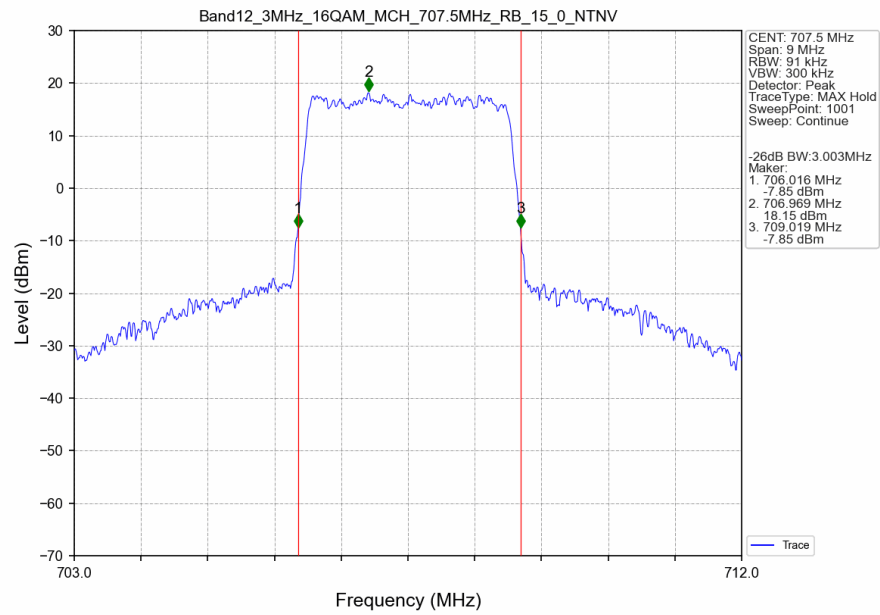
Band12 1.4MHz 256QAM MCH 707.5MHz RB 6 0 NTNV



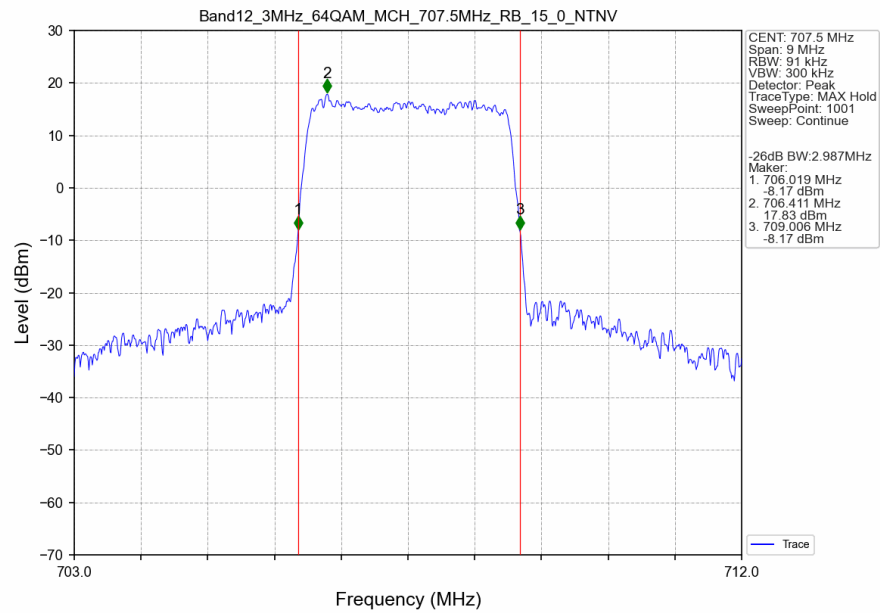
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTV



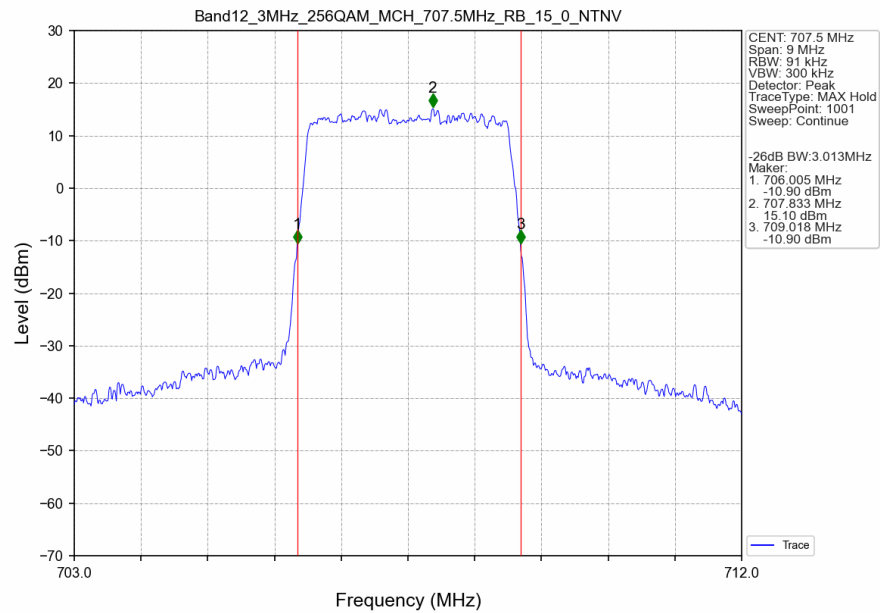
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTV



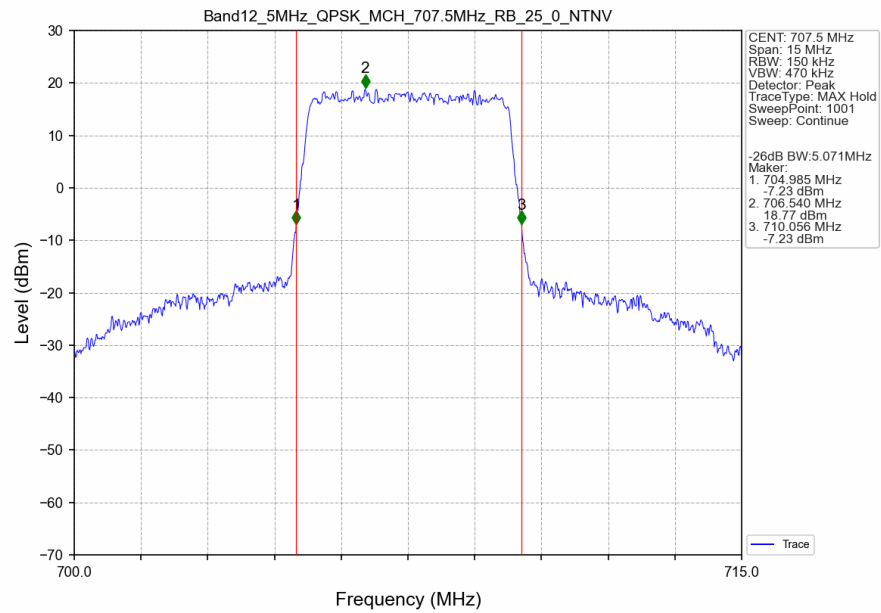
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTV



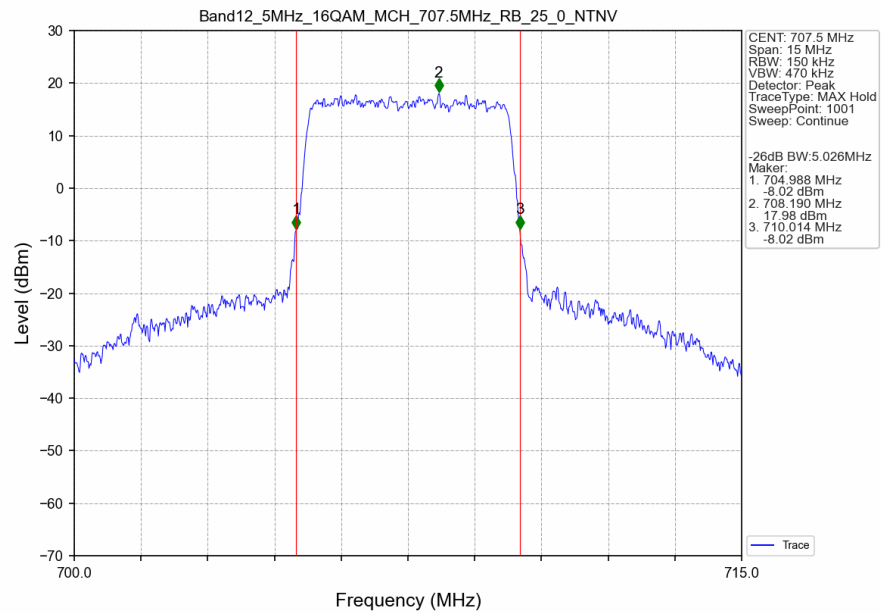
Band12 3MHz 256QAM MCH 707.5MHz RB 15 0 NTV



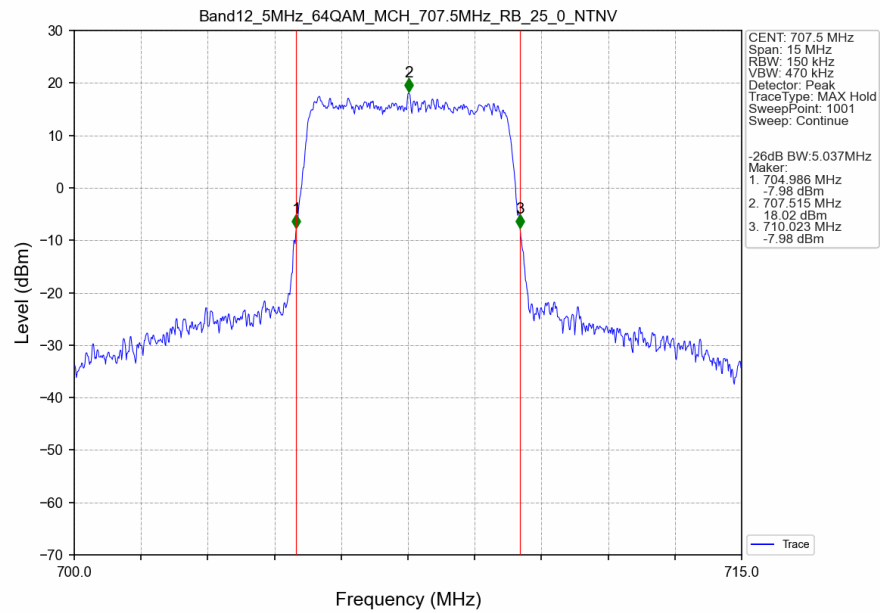
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTN



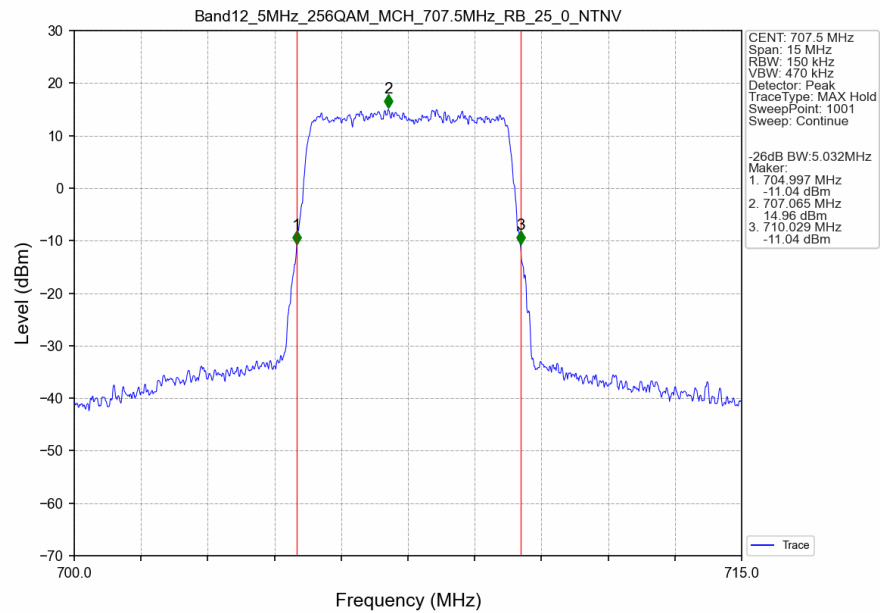
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTN



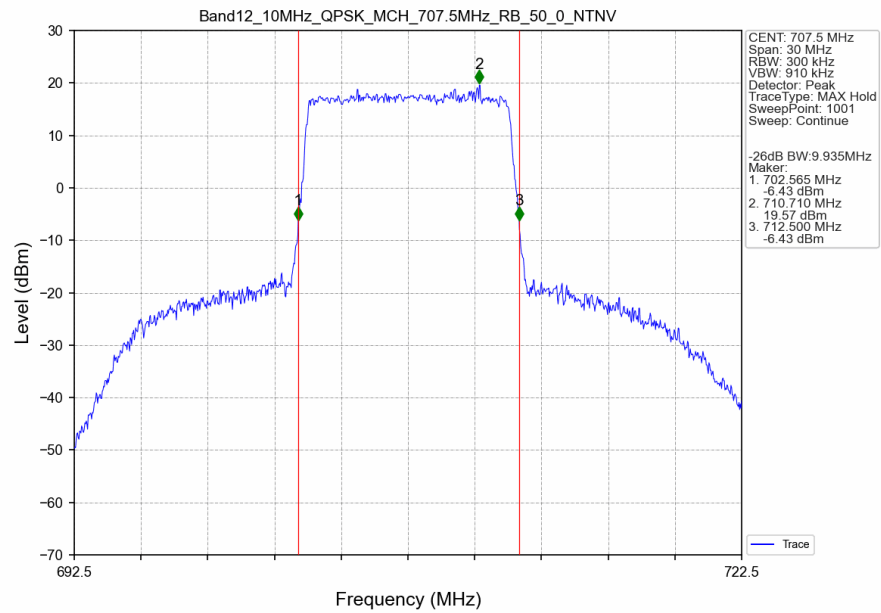
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTNV



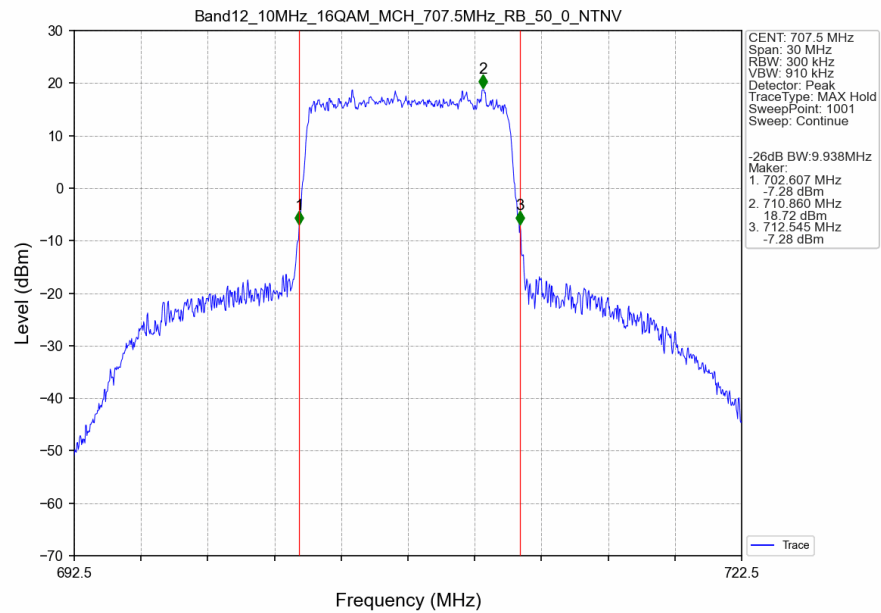
Band12 5MHz 256QAM MCH 707.5MHz RB 25 0 NTNV



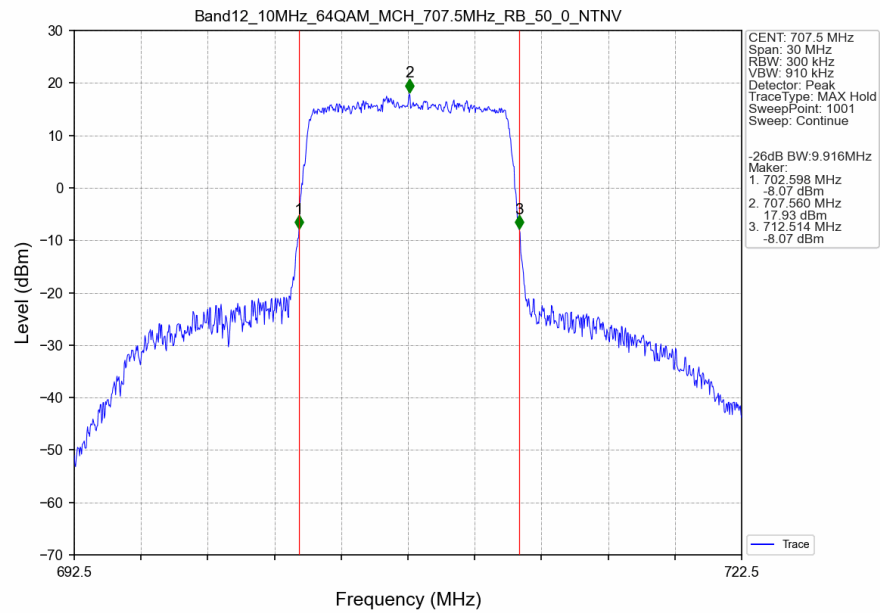
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTV



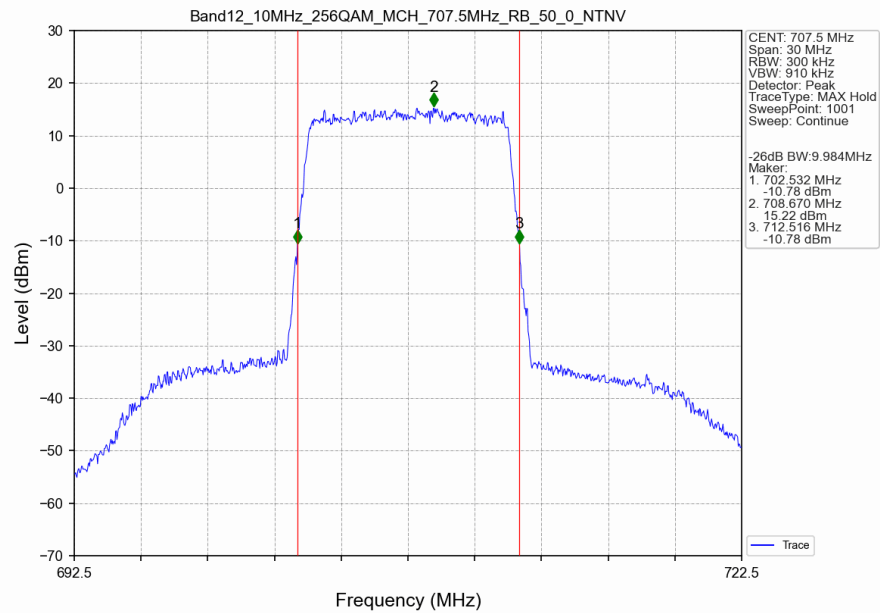
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTV



Band12 10MHz 64QAM MCH 707.5MHz RB 50 0 NTN



Band12 10MHz 256QAM MCH 707.5MHz RB 50 0 NTN



4. Peak-Average Ratio

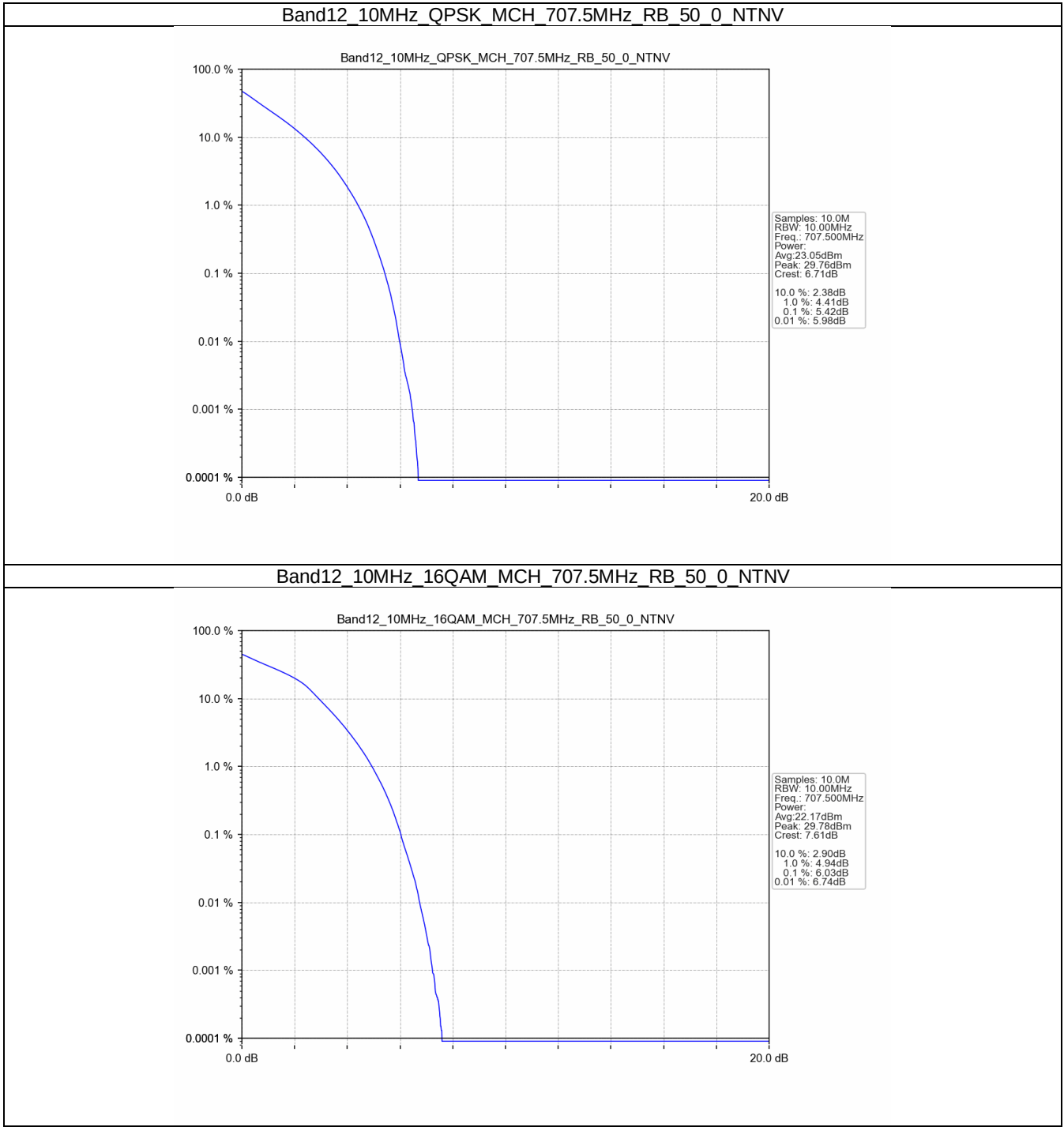
4.1 Test Result

4.1.1 B12_10MHz

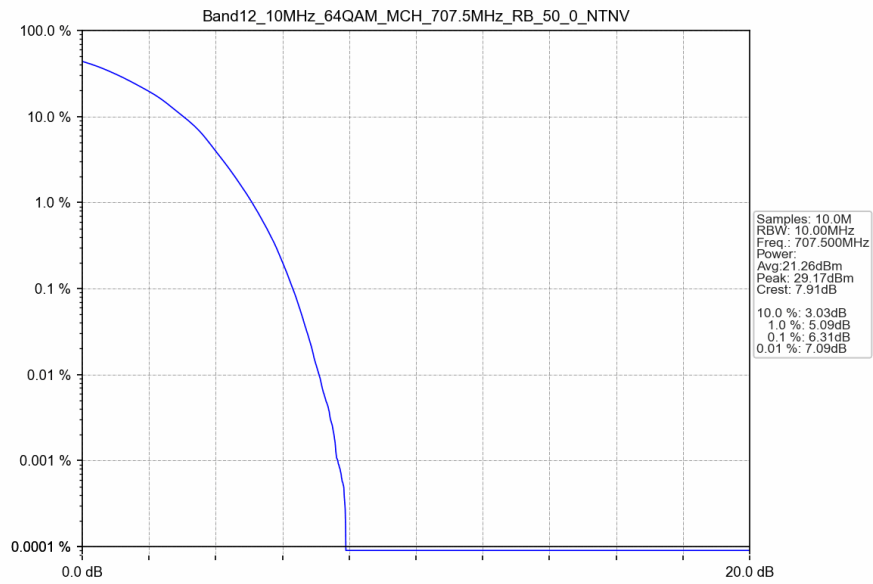
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.42	<=13	Pass
16QAM	707.5	50	0	6.03	<=13	Pass
64QAM	707.5	50	0	6.31	<=13	Pass
256QAM	707.5	50	0	6.54	<=13	Pass

4.2 Test Graph

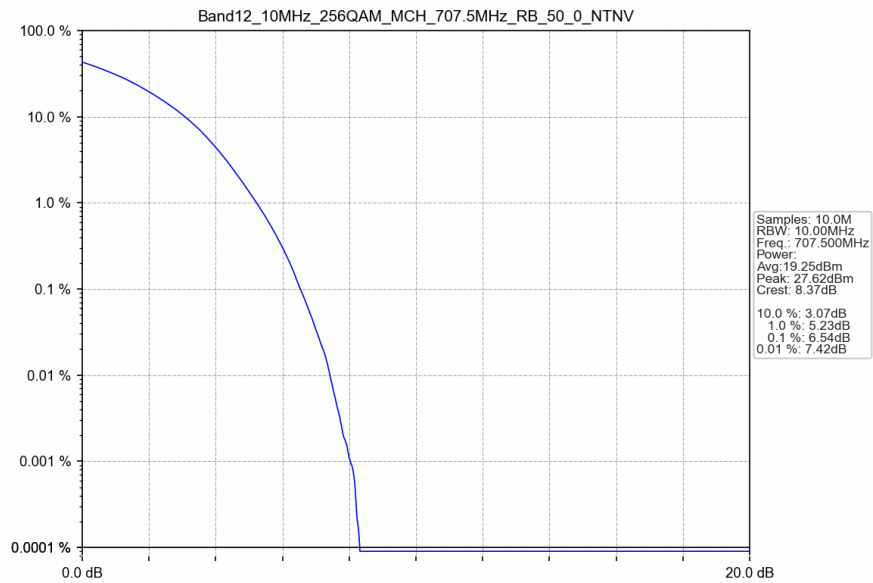
4.2.1 B12_10MHz



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 / NTVN						
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

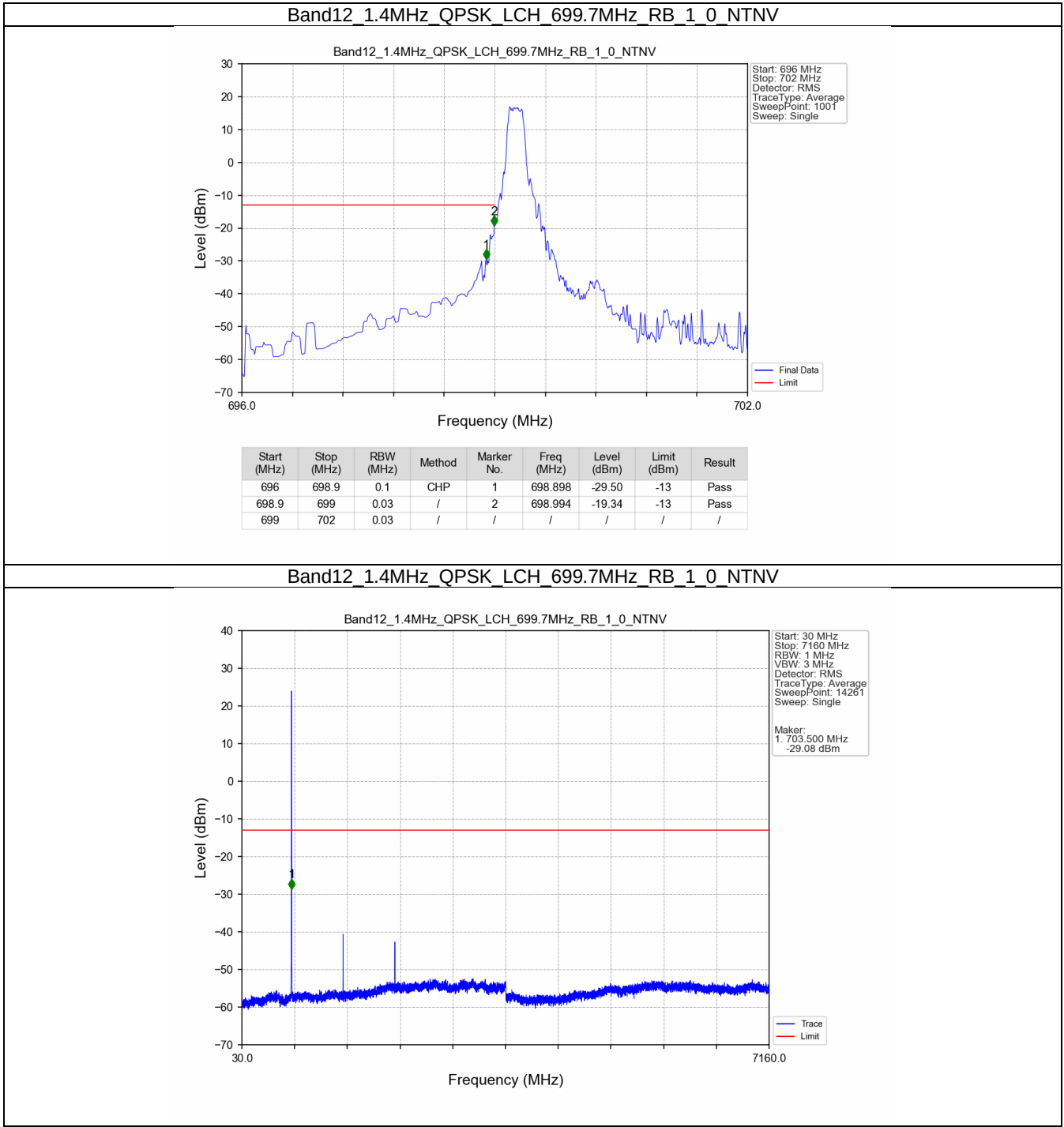
Band: 12 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B12_10MHz

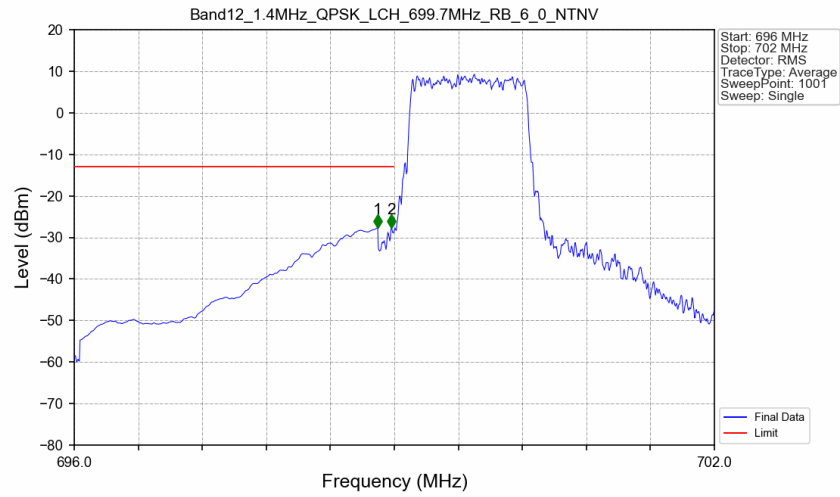
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B12_1.4MHz

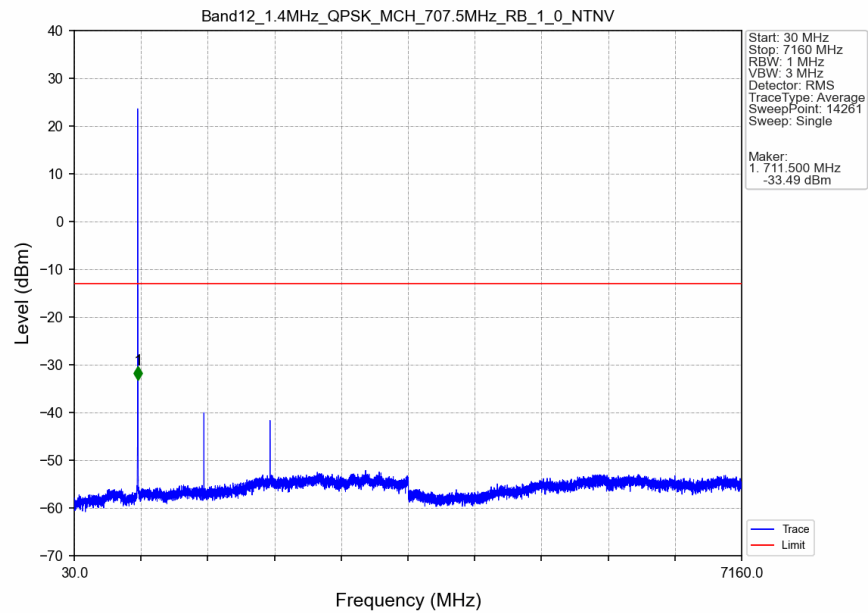


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV

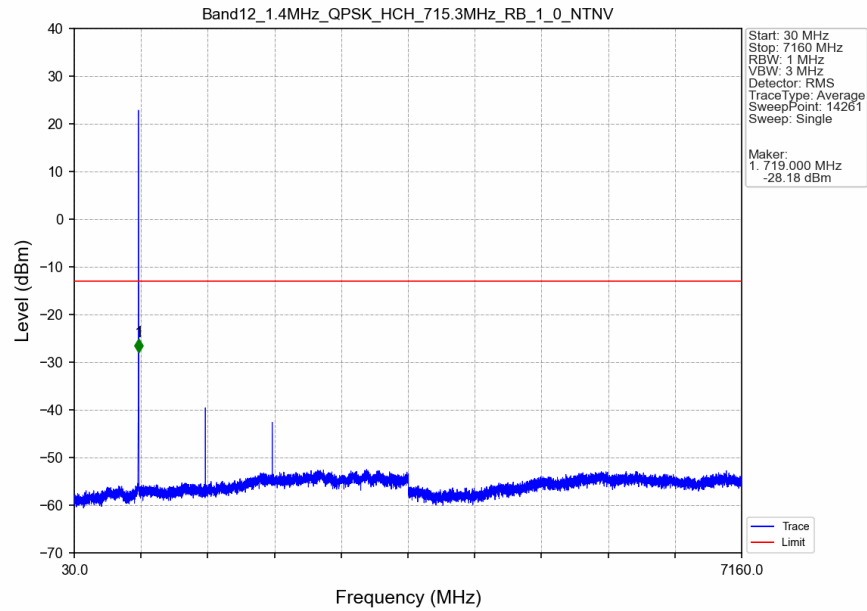


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-27.63	-13	Pass
698.9	699	0.03	/	2	698.970	-27.69	-13	Pass
699	702	0.03	/	/	/	/	/	/

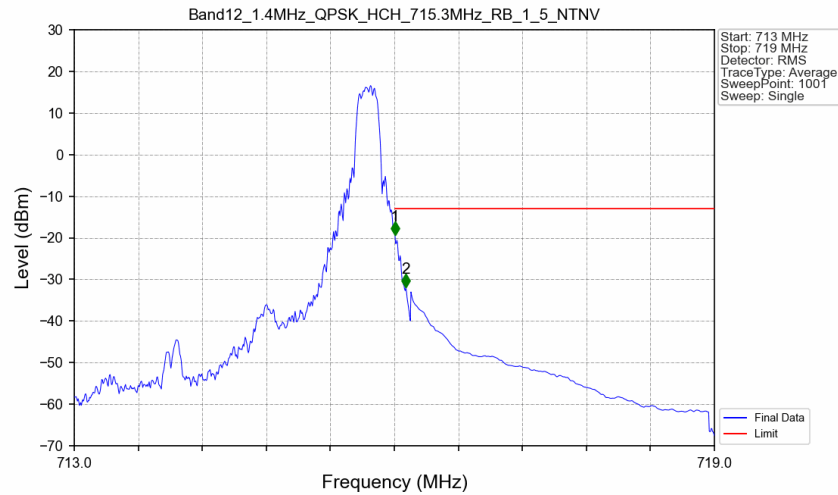
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV

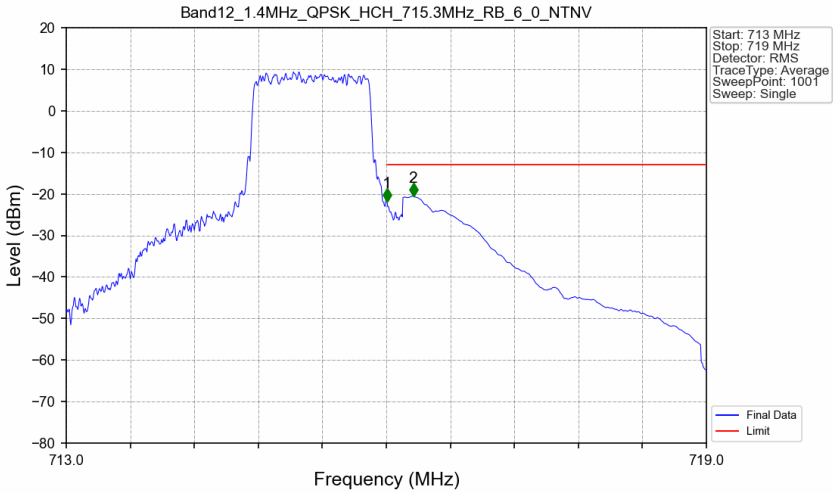


Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTV



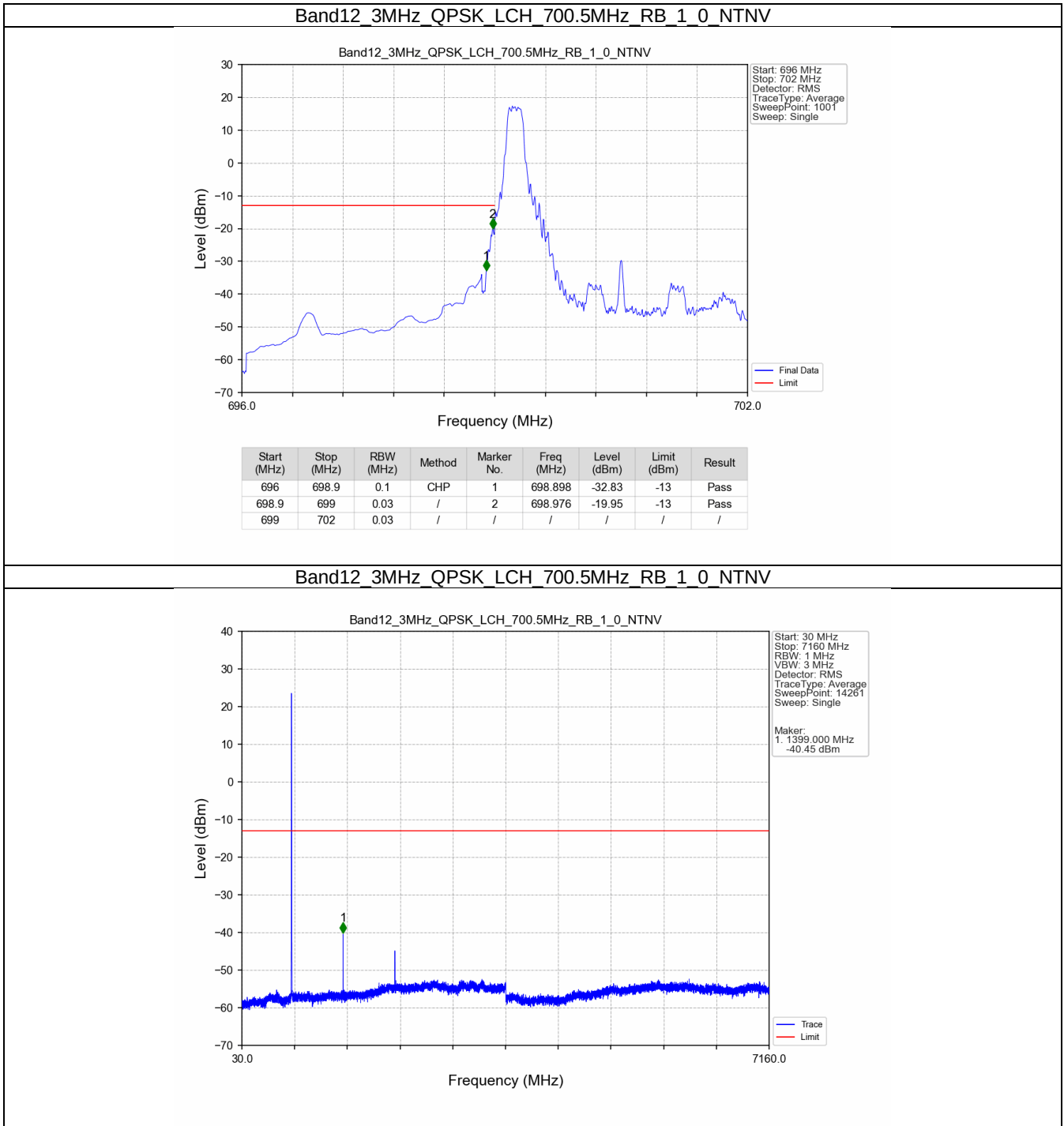
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-19.27	-13	Pass
716.1	719	0.1	CHP	2	716.108	-31.93	-13	Pass

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV

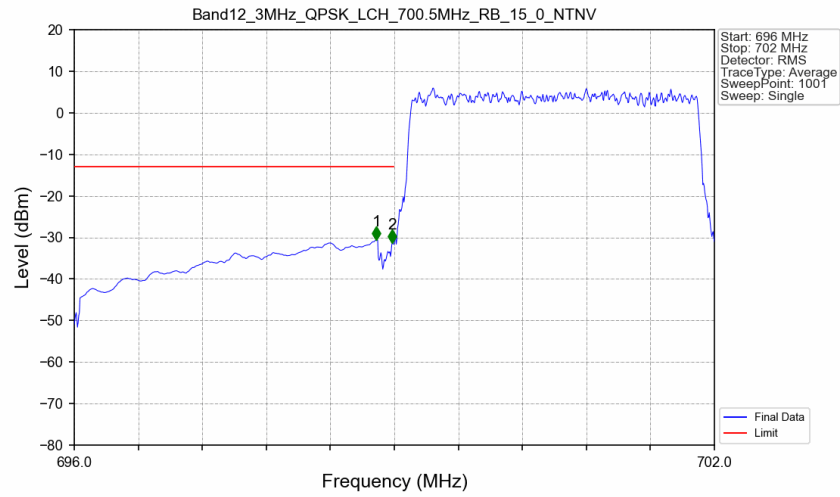


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-21.78	-13	Pass
716.1	719	0.1	CHP	2	716.252	-20.52	-13	Pass

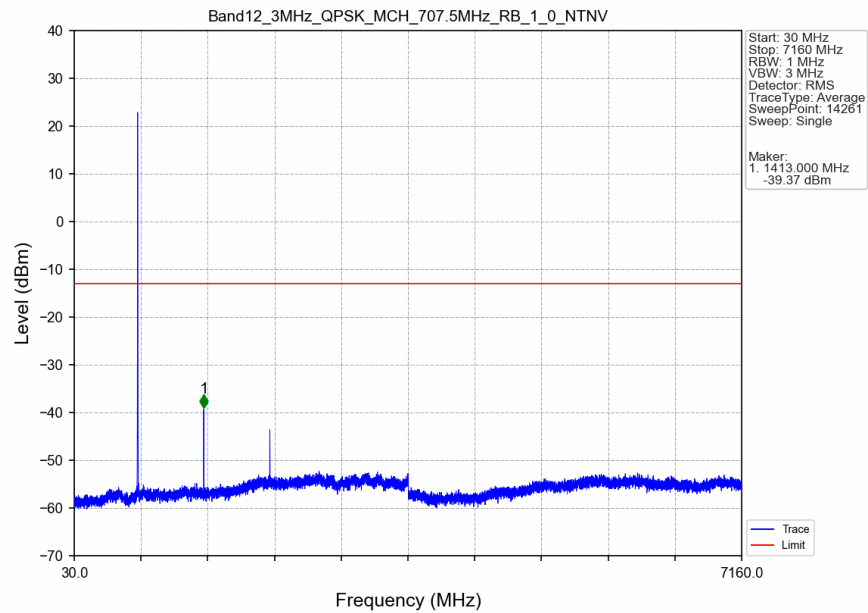
5.2.2 B12_3MHz



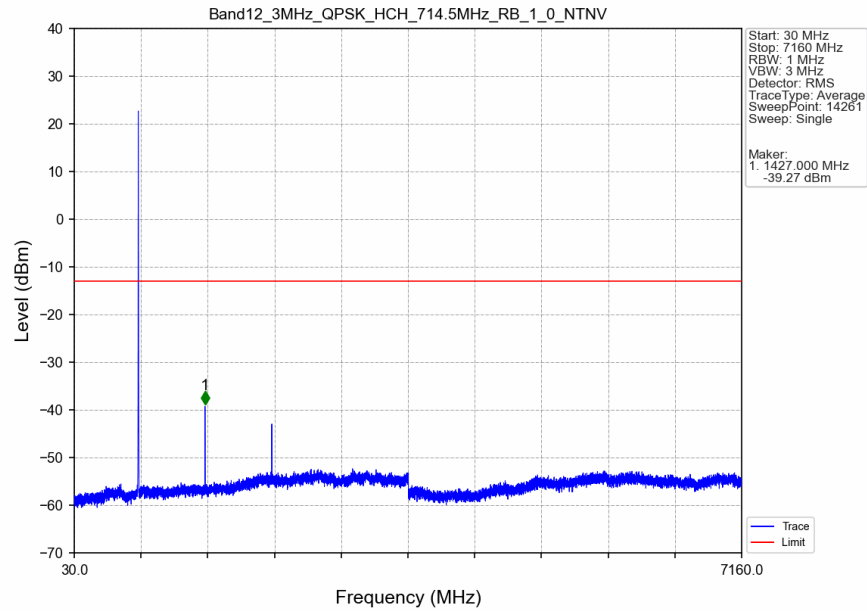
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



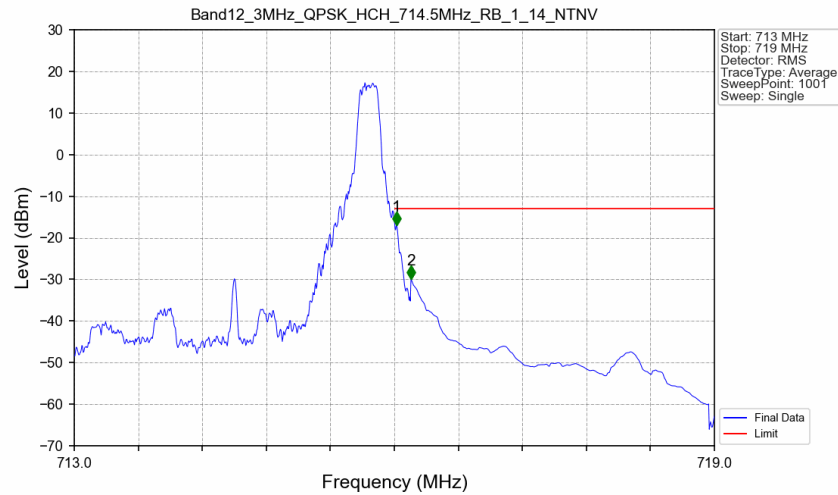
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

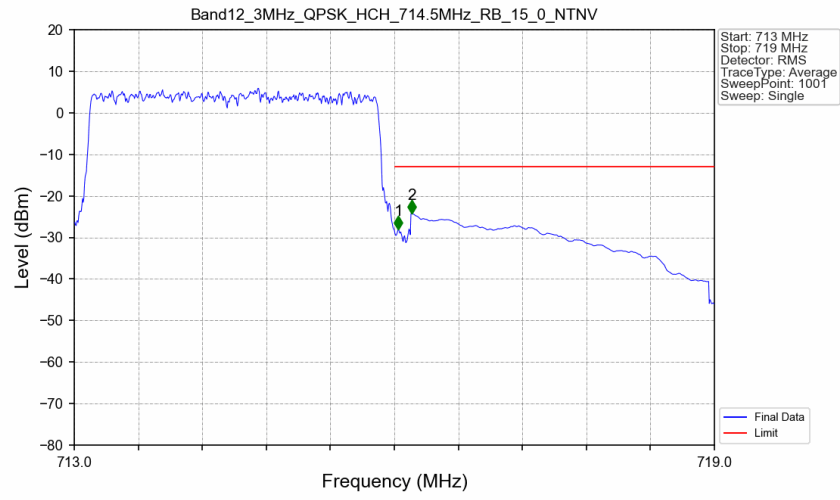


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



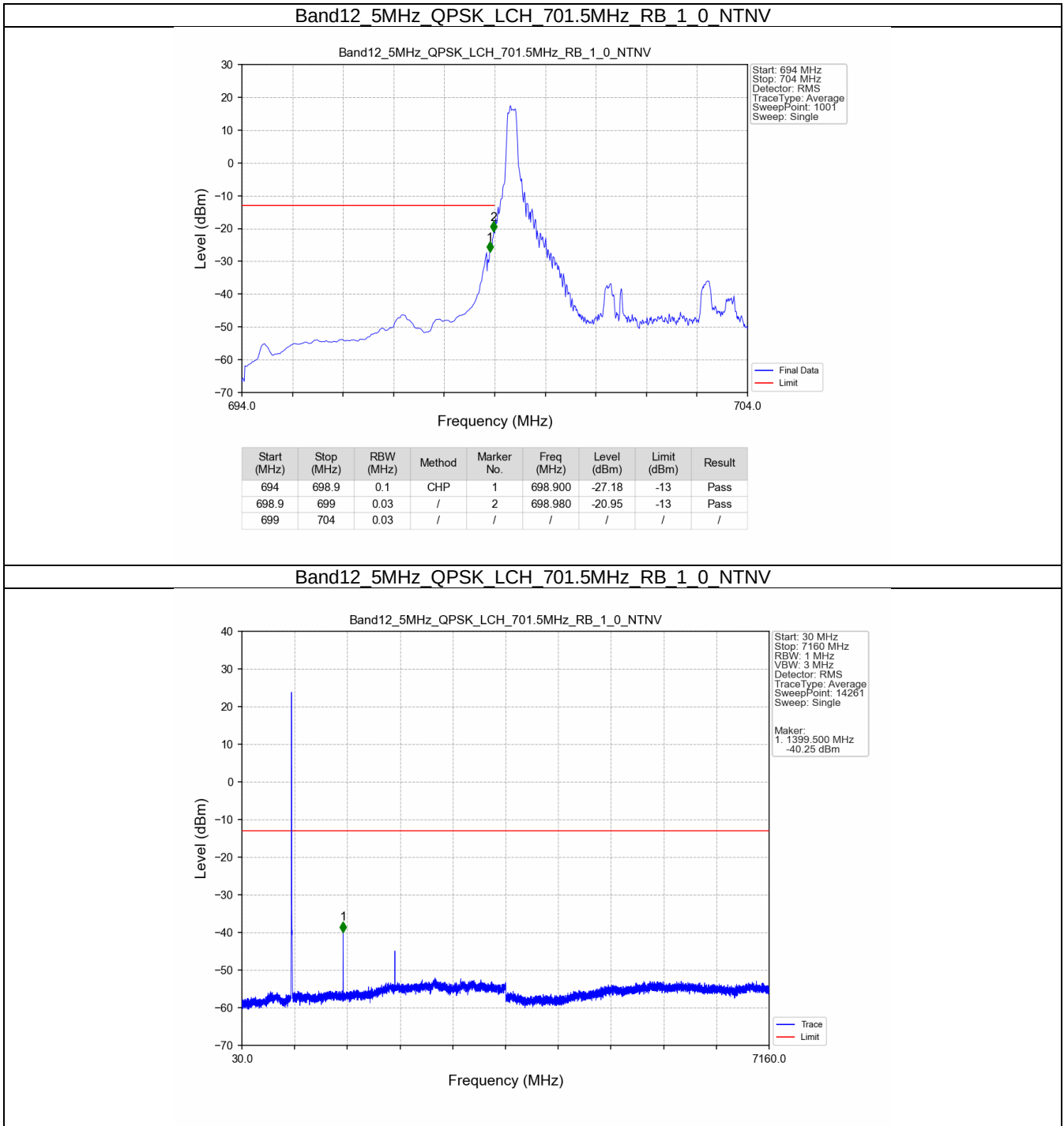
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-17.03	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.91	-13	Pass

Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV

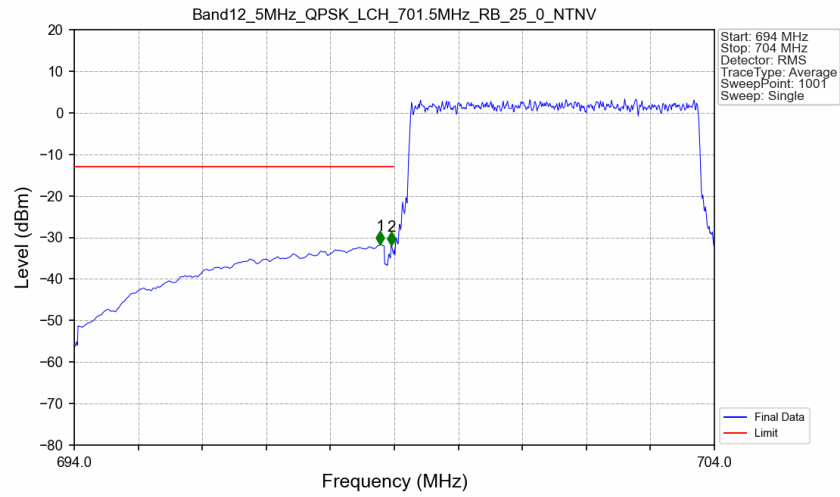


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.036	-28.02	-13	Pass
716.1	719	0.1	CHP	2	716.162	-24.28	-13	Pass

5.2.3 B12_5MHz

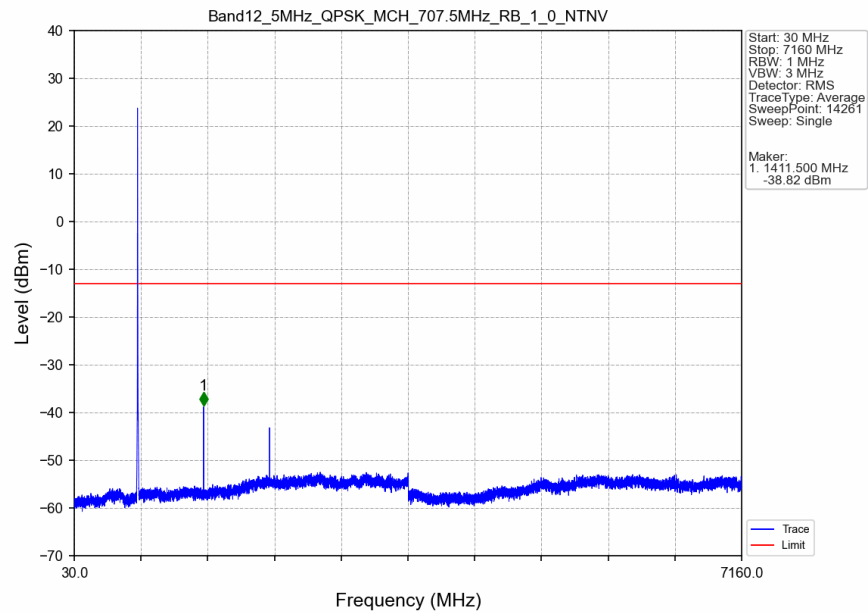


Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV

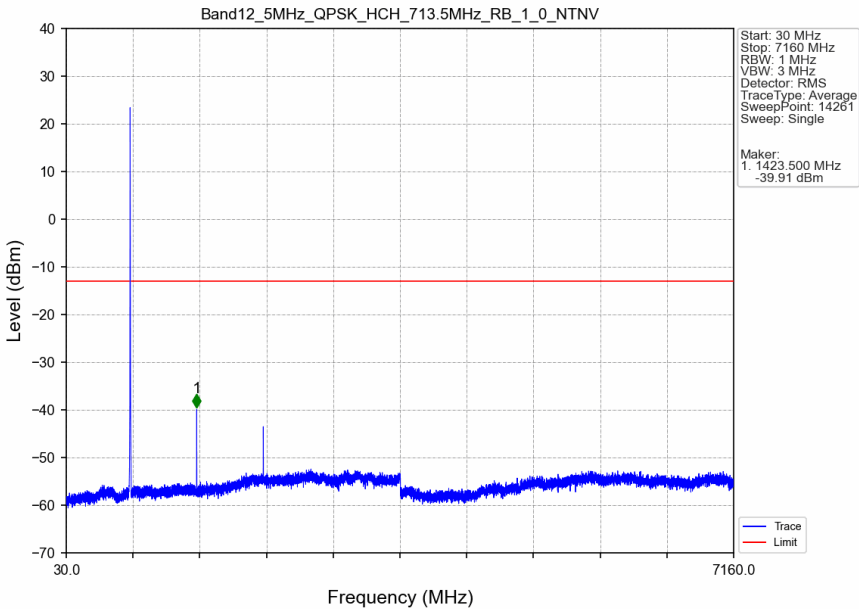


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.780	-31.74	-13	Pass
698.9	699	0.03	/	2	698.950	-31.93	-13	Pass
699	704	0.03	/	/	/	/	/	/

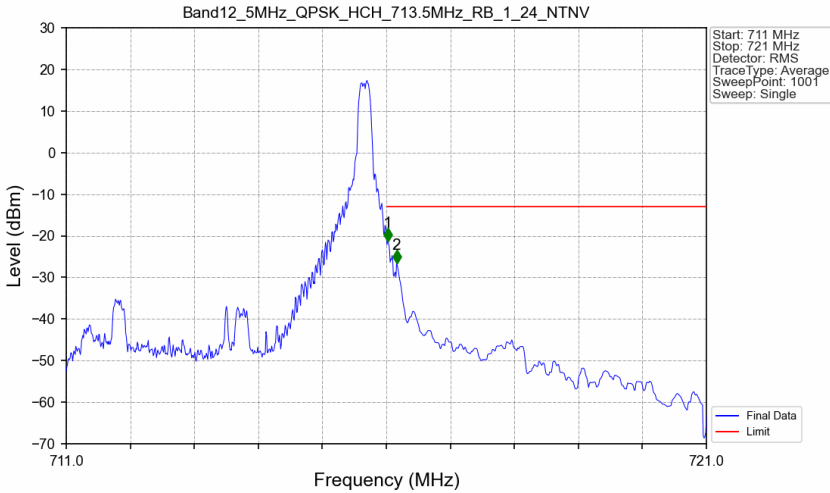
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV

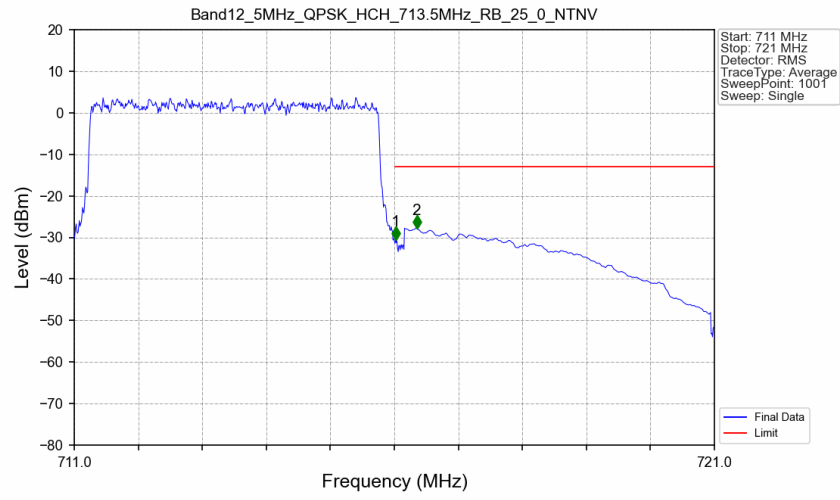


Band12 5MHz QPSK HCH 713.5MHz RB 1 24 NTNV



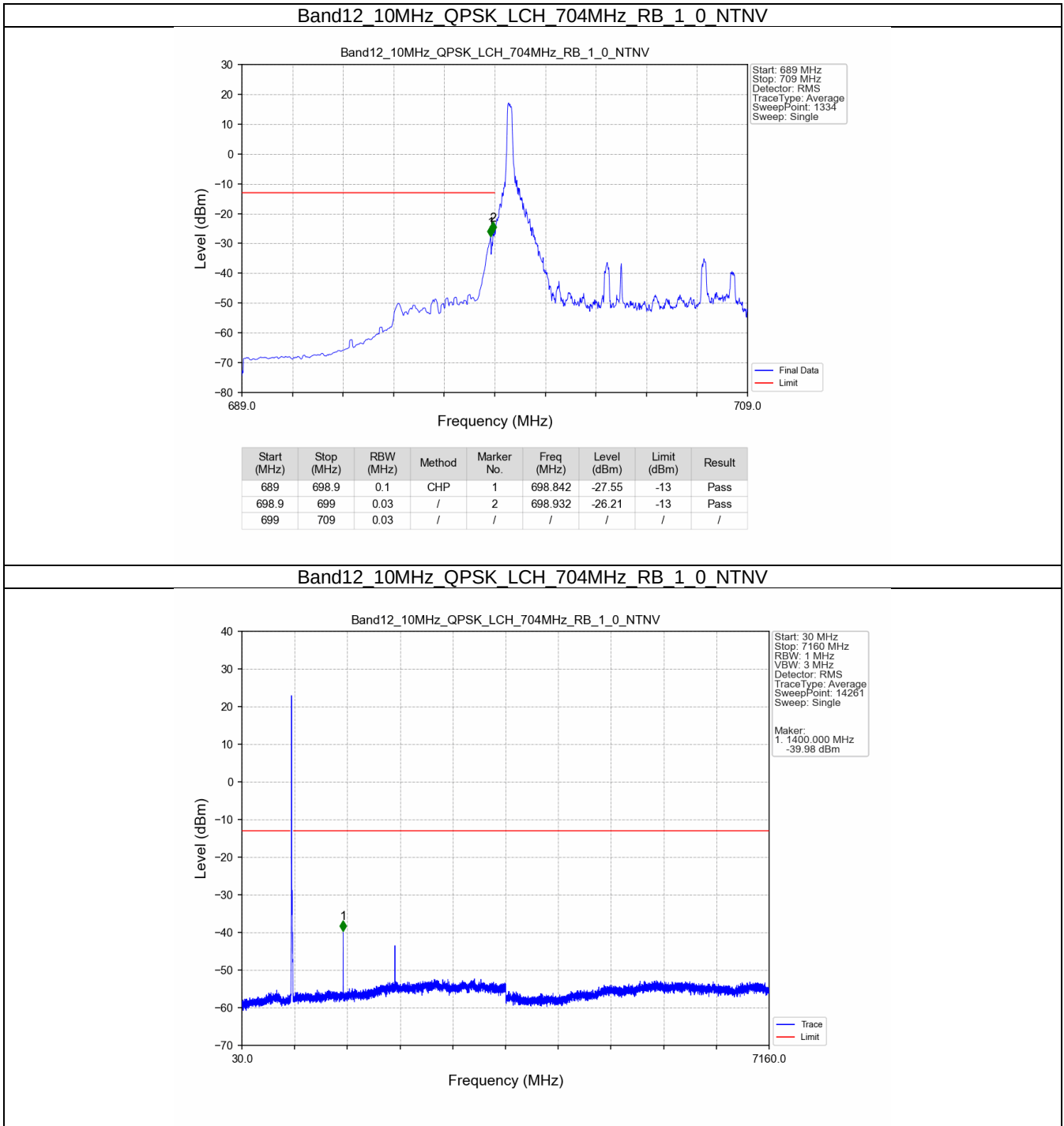
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-21.28	-13	Pass
716.1	721	0.1	CHP	2	716.160	-26.52	-13	Pass

Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV

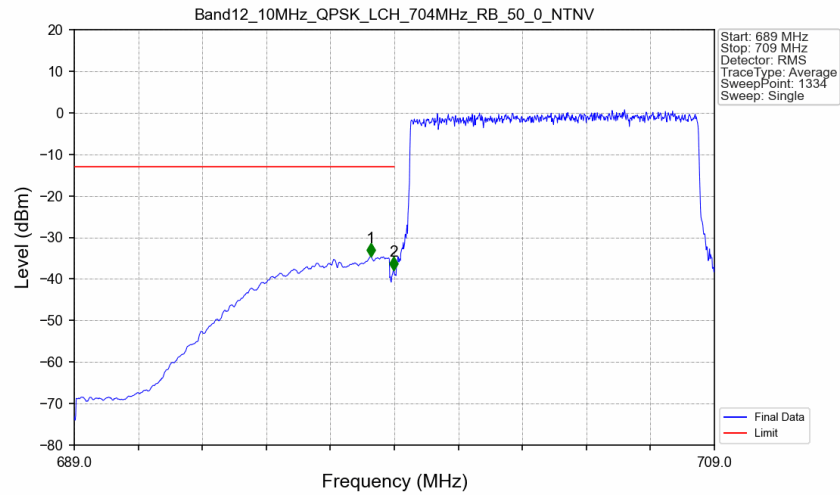


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-30.57	-13	Pass
716.1	721	0.1	CHP	2	716.350	-27.77	-13	Pass

5.2.4 B12_10MHz

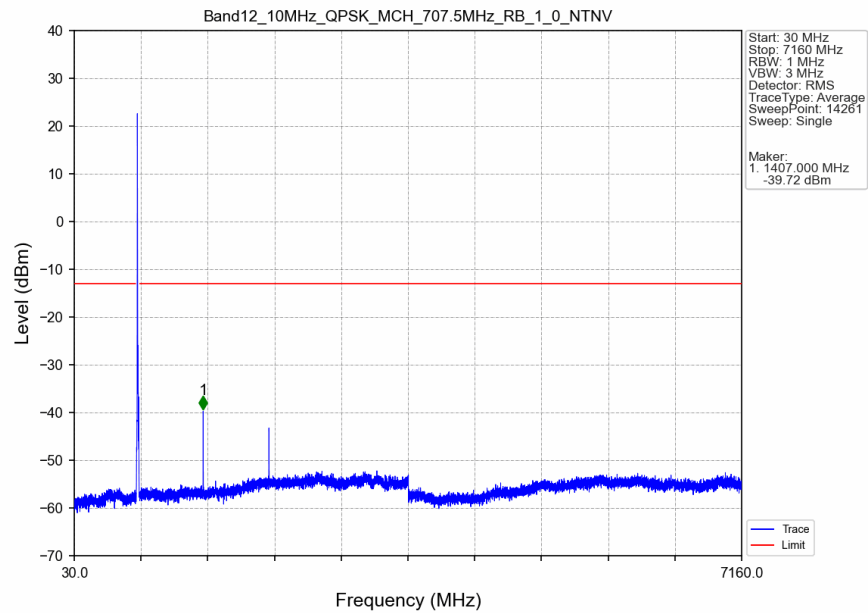


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

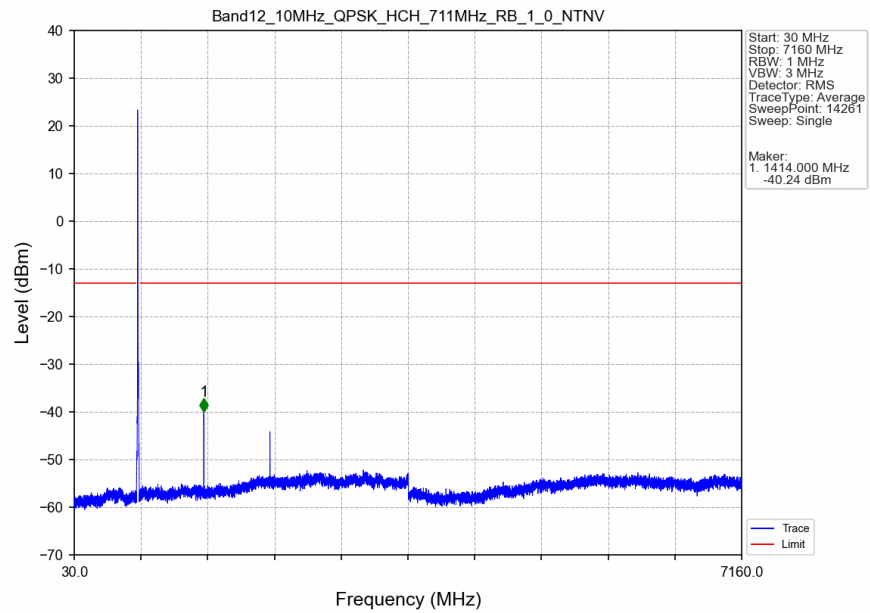


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.257	-34.62	-13	Pass
698.9	699	0.03	/	2	698.977	-37.82	-13	Pass
699	709	0.03	/	/	/	/	/	/

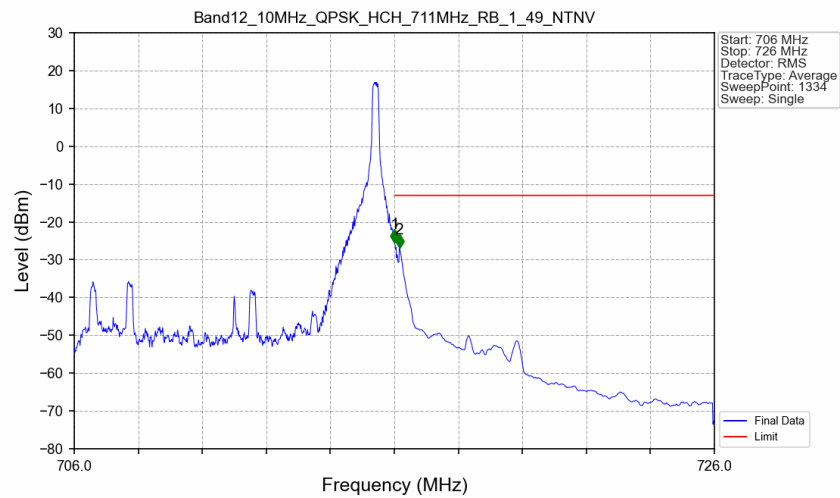
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12 10MHz QPSK HCH 711MHz RB 1 0 NTN

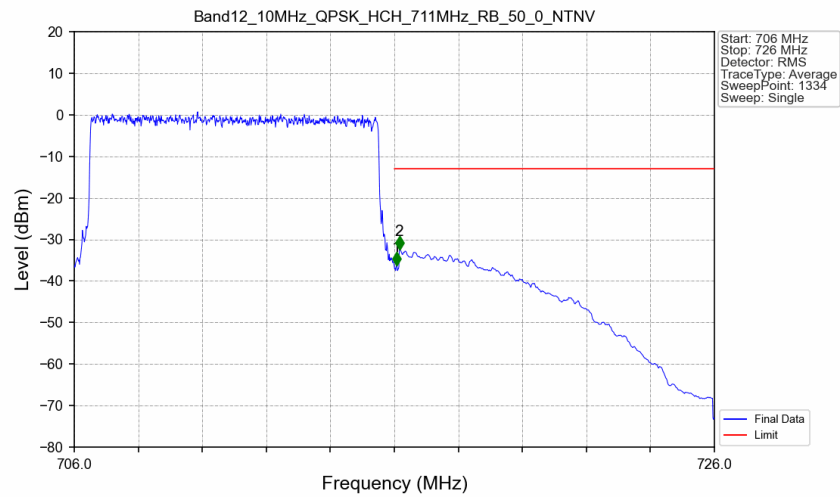


Band12 10MHz QPSK HCH 711MHz RB 1 49 NTN



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	-25.41	-13	Pass
716.1	726	0.1	CHP	2	716.158	-26.75	-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	716.068	-36.16	-13	Pass
716.1	726	0.1	CHP	2	716.158	-32.36	-13	Pass