

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	22.68	-2.52	18.01	<=34.77	Pass
			2	22.70	-2.52	18.03	<=34.77	Pass
			5	22.88	-2.52	18.21	<=34.77	Pass
		3	0	23.05	-2.52	18.38	<=34.77	Pass
			2	23.03	-2.52	18.36	<=34.77	Pass
			3	23.03	-2.52	18.36	<=34.77	Pass
		6	0	22.03	-2.52	17.36	<=34.77	Pass
	707.5	1	0	22.78	-2.52	18.11	<=34.77	Pass
			2	23.05	-2.52	18.38	<=34.77	Pass
			5	22.67	-2.52	18.00	<=34.77	Pass
		3	0	23.03	-2.52	18.36	<=34.77	Pass
			2	22.97	-2.52	18.30	<=34.77	Pass
			3	23.05	-2.52	18.38	<=34.77	Pass
		6	0	22.07	-2.52	17.40	<=34.77	Pass
	715.3	1	0	22.70	-2.52	18.03	<=34.77	Pass
			2	22.91	-2.52	18.24	<=34.77	Pass
			5	22.70	-2.52	18.03	<=34.77	Pass
		3	0	22.88	-2.52	18.21	<=34.77	Pass
			2	22.88	-2.52	18.21	<=34.77	Pass
			3	22.87	-2.52	18.20	<=34.77	Pass
		6	0	21.92	-2.52	17.25	<=34.77	Pass
16QAM	699.7	1	0	22.13	-2.52	17.46	<=34.77	Pass
			2	22.32	-2.52	17.65	<=34.77	Pass
			5	22.39	-2.52	17.72	<=34.77	Pass
		3	0	21.75	-2.52	17.08	<=34.77	Pass
			2	22.16	-2.52	17.49	<=34.77	Pass
			3	22.22	-2.52	17.55	<=34.77	Pass
		6	0	20.77	-2.52	16.10	<=34.77	Pass
	707.5	1	0	22.08	-2.52	17.41	<=34.77	Pass
			2	22.26	-2.52	17.59	<=34.77	Pass
			5	21.96	-2.52	17.29	<=34.77	Pass
		3	0	21.96	-2.52	17.29	<=34.77	Pass
			2	22.00	-2.52	17.33	<=34.77	Pass
			3	22.08	-2.52	17.41	<=34.77	Pass
		6	0	21.10	-2.52	16.43	<=34.77	Pass
	715.3	1	0	21.92	-2.52	17.25	<=34.77	Pass
			2	22.16	-2.52	17.49	<=34.77	Pass
			5	22.09	-2.52	17.42	<=34.77	Pass
		3	0	22.02	-2.52	17.35	<=34.77	Pass
			2	22.19	-2.52	17.52	<=34.77	Pass
			3	22.06	-2.52	17.39	<=34.77	Pass
		6	0	21.01	-2.52	16.34	<=34.77	Pass
64QAM	699.7	1	0	21.77	-2.52	17.10	<=34.77	Pass
			2	22.02	-2.52	17.35	<=34.77	Pass
			5	21.87	-2.52	17.20	<=34.77	Pass
		3	0	21.45	-2.52	16.78	<=34.77	Pass
			2	22.09	-2.52	17.42	<=34.77	Pass
			3	22.08	-2.52	17.41	<=34.77	Pass
		6	0	21.05	-2.52	16.38	<=34.77	Pass

	707.5	1	0	21.72	-2.52	17.05	<=34.77	Pass
			2	21.85	-2.52	17.18	<=34.77	Pass
			5	22.05	-2.52	17.38	<=34.77	Pass
		3	0	21.61	-2.52	16.94	<=34.77	Pass
			2	22.06	-2.52	17.39	<=34.77	Pass
			3	21.99	-2.52	17.32	<=34.77	Pass
		6	0	21.13	-2.52	16.46	<=34.77	Pass
	715.3	1	0	21.72	-2.52	17.05	<=34.77	Pass
			2	22.01	-2.52	17.34	<=34.77	Pass
			5	21.80	-2.52	17.13	<=34.77	Pass
		3	0	22.01	-2.52	17.34	<=34.77	Pass
			2	21.88	-2.52	17.21	<=34.77	Pass
			3	21.84	-2.52	17.17	<=34.77	Pass
		6	0	21.01	-2.52	16.34	<=34.77	Pass
256QAM	699.7	1	0	18.15	-2.52	13.48	<=34.77	Pass
			2	17.93	-2.52	13.26	<=34.77	Pass
			5	17.99	-2.52	13.32	<=34.77	Pass
		3	0	17.94	-2.52	13.27	<=34.77	Pass
			2	18.11	-2.52	13.44	<=34.77	Pass
			3	18.07	-2.52	13.40	<=34.77	Pass
		6	0	18.03	-2.52	13.36	<=34.77	Pass
	707.5	1	0	18.14	-2.52	13.47	<=34.77	Pass
			2	17.72	-2.52	13.05	<=34.77	Pass
			5	17.93	-2.52	13.26	<=34.77	Pass
		3	0	18.16	-2.52	13.49	<=34.77	Pass
			2	18.23	-2.52	13.56	<=34.77	Pass
			3	17.90	-2.52	13.23	<=34.77	Pass
		6	0	18.18	-2.52	13.51	<=34.77	Pass
	715.3	1	0	17.86	-2.52	13.19	<=34.77	Pass
			2	18.16	-2.52	13.49	<=34.77	Pass
			5	17.96	-2.52	13.29	<=34.77	Pass
		3	0	18.07	-2.52	13.40	<=34.77	Pass
			2	18.06	-2.52	13.39	<=34.77	Pass
			3	18.12	-2.52	13.45	<=34.77	Pass
		6	0	17.97	-2.52	13.30	<=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	23.00	-2.52	18.33	<=34.77	Pass
			7	23.06	-2.52	18.39	<=34.77	Pass
			14	22.92	-2.52	18.25	<=34.77	Pass
		8	0	22.06	-2.52	17.39	<=34.77	Pass
			4	22.09	-2.52	17.42	<=34.77	Pass
			7	22.04	-2.52	17.37	<=34.77	Pass
		15	0	22.14	-2.52	17.47	<=34.77	Pass
	707.5	1	0	22.95	-2.52	18.28	<=34.77	Pass
			7	22.98	-2.52	18.31	<=34.77	Pass
			14	22.97	-2.52	18.30	<=34.77	Pass
		8	0	22.00	-2.52	17.33	<=34.77	Pass
			4	22.13	-2.52	17.46	<=34.77	Pass
			7	22.05	-2.52	17.38	<=34.77	Pass
		15	0	22.03	-2.52	17.36	<=34.77	Pass
	714.5	1	0	22.90	-2.52	18.23	<=34.77	Pass

		8	7	22.67	-2.52	18.00	<=34.77	Pass
			14	22.75	-2.52	18.08	<=34.77	Pass
			0	22.08	-2.52	17.41	<=34.77	Pass
			4	22.06	-2.52	17.39	<=34.77	Pass
			7	21.96	-2.52	17.29	<=34.77	Pass
		15	0	22.07	-2.52	17.40	<=34.77	Pass
16QAM	700.5	1	0	21.86	-2.52	17.19	<=34.77	Pass
			7	21.97	-2.52	17.30	<=34.77	Pass
			14	22.04	-2.52	17.37	<=34.77	Pass
		8	0	21.14	-2.52	16.47	<=34.77	Pass
			4	21.11	-2.52	16.44	<=34.77	Pass
			7	21.12	-2.52	16.45	<=34.77	Pass
		15	0	21.10	-2.52	16.43	<=34.77	Pass
	707.5	1	0	22.46	-2.52	17.79	<=34.77	Pass
			7	22.05	-2.52	17.38	<=34.77	Pass
			14	22.12	-2.52	17.45	<=34.77	Pass
		8	0	21.14	-2.52	16.47	<=34.77	Pass
			4	21.18	-2.52	16.51	<=34.77	Pass
			7	21.16	-2.52	16.49	<=34.77	Pass
		15	0	21.03	-2.52	16.36	<=34.77	Pass
	714.5	1	0	21.94	-2.52	17.27	<=34.77	Pass
			7	21.95	-2.52	17.28	<=34.77	Pass
			14	22.13	-2.52	17.46	<=34.77	Pass
		8	0	21.11	-2.52	16.44	<=34.77	Pass
			4	21.11	-2.52	16.44	<=34.77	Pass
			7	21.10	-2.52	16.43	<=34.77	Pass
		15	0	21.03	-2.52	16.36	<=34.77	Pass
64QAM	700.5	1	0	22.06	-2.52	17.39	<=34.77	Pass
			7	21.75	-2.52	17.08	<=34.77	Pass
			14	22.06	-2.52	17.39	<=34.77	Pass
		8	0	21.11	-2.52	16.44	<=34.77	Pass
			4	21.08	-2.52	16.41	<=34.77	Pass
			7	21.06	-2.52	16.39	<=34.77	Pass
		15	0	21.06	-2.52	16.39	<=34.77	Pass
	707.5	1	0	21.63	-2.52	16.96	<=34.77	Pass
			7	22.07	-2.52	17.40	<=34.77	Pass
			14	22.18	-2.52	17.51	<=34.77	Pass
		8	0	21.05	-2.52	16.38	<=34.77	Pass
			4	21.10	-2.52	16.43	<=34.77	Pass
			7	21.10	-2.52	16.43	<=34.77	Pass
		15	0	21.05	-2.52	16.38	<=34.77	Pass
	714.5	1	0	21.99	-2.52	17.32	<=34.77	Pass
			7	21.98	-2.52	17.31	<=34.77	Pass
			14	21.56	-2.52	16.89	<=34.77	Pass
		8	0	21.03	-2.52	16.36	<=34.77	Pass
			4	21.07	-2.52	16.40	<=34.77	Pass
			7	21.02	-2.52	16.35	<=34.77	Pass
		15	0	21.04	-2.52	16.37	<=34.77	Pass
256QAM	700.5	1	0	18.02	-2.52	13.35	<=34.77	Pass
			7	18.33	-2.52	13.66	<=34.77	Pass
			14	18.18	-2.52	13.51	<=34.77	Pass
		8	0	18.01	-2.52	13.34	<=34.77	Pass
			4	18.13	-2.52	13.46	<=34.77	Pass
			7	18.18	-2.52	13.51	<=34.77	Pass
		15	0	18.07	-2.52	13.40	<=34.77	Pass
	707.5	1	0	18.05	-2.52	13.38	<=34.77	Pass
			7	17.79	-2.52	13.12	<=34.77	Pass
			14	18.02	-2.52	13.35	<=34.77	Pass
		8	0	18.10	-2.52	13.43	<=34.77	Pass

			4	18.12	-2.52	13.45	<=34.77	Pass
			7	18.17	-2.52	13.50	<=34.77	Pass
		15	0	18.03	-2.52	13.36	<=34.77	Pass
	714.5	1	0	18.03	-2.52	13.36	<=34.77	Pass
			7	18.14	-2.52	13.47	<=34.77	Pass
			14	18.11	-2.52	13.44	<=34.77	Pass
		8	0	18.11	-2.52	13.44	<=34.77	Pass
			4	18.07	-2.52	13.40	<=34.77	Pass
			7	17.79	-2.52	13.12	<=34.77	Pass
		15	0	18.05	-2.52	13.38	<=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	23.02	-2.52	18.35	<=34.77	Pass
			13	22.99	-2.52	18.32	<=34.77	Pass
			24	22.85	-2.52	18.18	<=34.77	Pass
		12	0	22.07	-2.52	17.40	<=34.77	Pass
			6	22.11	-2.52	17.44	<=34.77	Pass
			13	22.10	-2.52	17.43	<=34.77	Pass
		25	0	22.07	-2.52	17.40	<=34.77	Pass
	707.5	1	0	22.94	-2.52	18.27	<=34.77	Pass
			13	23.12	-2.52	18.45	<=34.77	Pass
			24	22.88	-2.52	18.21	<=34.77	Pass
		12	0	21.97	-2.52	17.30	<=34.77	Pass
			6	22.07	-2.52	17.40	<=34.77	Pass
			13	22.08	-2.52	17.41	<=34.77	Pass
		25	0	22.10	-2.52	17.43	<=34.77	Pass
	713.5	1	0	23.06	-2.52	18.39	<=34.77	Pass
			13	23.08	-2.52	18.41	<=34.77	Pass
			24	22.57	-2.52	17.90	<=34.77	Pass
		12	0	22.02	-2.52	17.35	<=34.77	Pass
			6	22.11	-2.52	17.44	<=34.77	Pass
			13	22.04	-2.52	17.37	<=34.77	Pass
		25	0	21.93	-2.52	17.26	<=34.77	Pass
16QAM	701.5	1	0	21.78	-2.52	17.11	<=34.77	Pass
			13	22.21	-2.52	17.54	<=34.77	Pass
			24	22.19	-2.52	17.52	<=34.77	Pass
		12	0	21.08	-2.52	16.41	<=34.77	Pass
			6	21.07	-2.52	16.40	<=34.77	Pass
			13	21.02	-2.52	16.35	<=34.77	Pass
		25	0	21.09	-2.52	16.42	<=34.77	Pass
	707.5	1	0	22.41	-2.52	17.74	<=34.77	Pass
			13	22.42	-2.52	17.75	<=34.77	Pass
			24	22.36	-2.52	17.69	<=34.77	Pass
		12	0	21.08	-2.52	16.41	<=34.77	Pass
			6	21.08	-2.52	16.41	<=34.77	Pass
			13	21.12	-2.52	16.45	<=34.77	Pass
		25	0	21.02	-2.52	16.35	<=34.77	Pass
	713.5	1	0	22.12	-2.52	17.45	<=34.77	Pass
			13	22.31	-2.52	17.64	<=34.77	Pass
			24	21.83	-2.52	17.16	<=34.77	Pass
		12	0	21.05	-2.52	16.38	<=34.77	Pass
			6	21.06	-2.52	16.39	<=34.77	Pass

			13	21.03	-2.52	16.36	<=34.77	Pass	
		25	0	21.01	-2.52	16.34	<=34.77	Pass	
64QAM	701.5	1	0	21.98	-2.52	17.31	<=34.77	Pass	
			13	21.72	-2.52	17.05	<=34.77	Pass	
			24	21.92	-2.52	17.25	<=34.77	Pass	
			0	21.07	-2.52	16.40	<=34.77	Pass	
		12	6	21.12	-2.52	16.45	<=34.77	Pass	
			13	20.97	-2.52	16.30	<=34.77	Pass	
			25	0	21.08	-2.52	16.41	<=34.77	Pass
		707.5	1	0	21.98	-2.52	17.31	<=34.77	Pass
				13	22.05	-2.52	17.38	<=34.77	Pass
				24	22.00	-2.52	17.33	<=34.77	Pass
	0			21.05	-2.52	16.38	<=34.77	Pass	
	12		6	21.08	-2.52	16.41	<=34.77	Pass	
			13	21.14	-2.52	16.47	<=34.77	Pass	
			25	0	20.96	-2.52	16.29	<=34.77	Pass
	713.5		1	0	21.92	-2.52	17.25	<=34.77	Pass
		13		21.65	-2.52	16.98	<=34.77	Pass	
		24		22.12	-2.52	17.45	<=34.77	Pass	
		0		20.98	-2.52	16.31	<=34.77	Pass	
		12	6	21.10	-2.52	16.43	<=34.77	Pass	
			13	21.11	-2.52	16.44	<=34.77	Pass	
			25	0	20.90	-2.52	16.23	<=34.77	Pass
		256QAM	701.5	1	0	18.00	-2.52	13.33	<=34.77
	13				18.17	-2.52	13.50	<=34.77	Pass
24	17.87				-2.52	13.20	<=34.77	Pass	
12	0			18.14	-2.52	13.47	<=34.77	Pass	
	6			18.11	-2.52	13.44	<=34.77	Pass	
	13			18.12	-2.52	13.45	<=34.77	Pass	
25	0			18.17	-2.52	13.50	<=34.77	Pass	
707.5	1		0	17.92	-2.52	13.25	<=34.77	Pass	
			13	17.89	-2.52	13.22	<=34.77	Pass	
			24	18.04	-2.52	13.37	<=34.77	Pass	
	12		0	18.06	-2.52	13.39	<=34.77	Pass	
			6	18.15	-2.52	13.48	<=34.77	Pass	
			13	18.13	-2.52	13.46	<=34.77	Pass	
	25		0	18.04	-2.52	13.37	<=34.77	Pass	
713.5	1		0	17.98	-2.52	13.31	<=34.77	Pass	
			13	18.29	-2.52	13.62	<=34.77	Pass	
			24	18.00	-2.52	13.33	<=34.77	Pass	
	12		0	18.02	-2.52	13.35	<=34.77	Pass	
			6	18.14	-2.52	13.47	<=34.77	Pass	
			13	18.08	-2.52	13.41	<=34.77	Pass	
	25		0	18.05	-2.52	13.38	<=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	23.11	-2.52	18.44	<=34.77	Pass
			25	23.06	-2.52	18.39	<=34.77	Pass
			49	23.06	-2.52	18.39	<=34.77	Pass
		25	0	21.98	-2.52	17.31	<=34.77	Pass
			13	22.12	-2.52	17.45	<=34.77	Pass
			25	22.09	-2.52	17.42	<=34.77	Pass

		50	0	22.13	-2.52	17.46	<=34.77	Pass		
		707.5	1	0	23.08	-2.52	18.41	<=34.77	Pass	
				25	23.10	-2.52	18.43	<=34.77	Pass	
				49	23.09	-2.52	18.42	<=34.77	Pass	
				0	22.11	-2.52	17.44	<=34.77	Pass	
			25	13	22.14	-2.52	17.47	<=34.77	Pass	
				25	22.12	-2.52	17.45	<=34.77	Pass	
				50	0	22.07	-2.52	17.40	<=34.77	Pass
			711	1	0	22.99	-2.52	18.32	<=34.77	Pass
					25	23.11	-2.52	18.44	<=34.77	Pass
		49			22.67	-2.52	18.00	<=34.77	Pass	
		25		0	22.06	-2.52	17.39	<=34.77	Pass	
				13	22.14	-2.52	17.47	<=34.77	Pass	
				25	22.10	-2.52	17.43	<=34.77	Pass	
		50		0	22.09	-2.52	17.42	<=34.77	Pass	
		16QAM		704	1	0	21.70	-2.52	17.03	<=34.77
25	22.35		-2.52			17.68	<=34.77	Pass		
49	22.30		-2.52			17.63	<=34.77	Pass		
25	0		20.99		-2.52	16.32	<=34.77	Pass		
	13		21.14		-2.52	16.47	<=34.77	Pass		
	25		21.04		-2.52	16.37	<=34.77	Pass		
50	0		21.14		-2.52	16.47	<=34.77	Pass		
707.5	1		0	22.39	-2.52	17.72	<=34.77	Pass		
			25	22.00	-2.52	17.33	<=34.77	Pass		
			49	22.24	-2.52	17.57	<=34.77	Pass		
	25		0	21.04	-2.52	16.37	<=34.77	Pass		
			13	21.06	-2.52	16.39	<=34.77	Pass		
			25	21.05	-2.52	16.38	<=34.77	Pass		
			50	0	21.00	-2.52	16.33	<=34.77	Pass	
711	1		0	22.01	-2.52	17.34	<=34.77	Pass		
			25	22.27	-2.52	17.60	<=34.77	Pass		
			49	21.96	-2.52	17.29	<=34.77	Pass		
	25		0	21.02	-2.52	16.35	<=34.77	Pass		
			13	21.15	-2.52	16.48	<=34.77	Pass		
			25	21.13	-2.52	16.46	<=34.77	Pass		
			50	0	21.11	-2.52	16.44	<=34.77	Pass	
64QAM	704	1	0	22.00	-2.52	17.33	<=34.77	Pass		
			25	21.94	-2.52	17.27	<=34.77	Pass		
			49	21.79	-2.52	17.12	<=34.77	Pass		
		25	0	21.07	-2.52	16.40	<=34.77	Pass		
			13	21.13	-2.52	16.46	<=34.77	Pass		
			25	21.02	-2.52	16.35	<=34.77	Pass		
		50	0	21.03	-2.52	16.36	<=34.77	Pass		
	707.5	1	0	21.84	-2.52	17.17	<=34.77	Pass		
			25	22.14	-2.52	17.47	<=34.77	Pass		
			49	21.94	-2.52	17.27	<=34.77	Pass		
		25	0	21.01	-2.52	16.34	<=34.77	Pass		
			13	21.06	-2.52	16.39	<=34.77	Pass		
			25	21.08	-2.52	16.41	<=34.77	Pass		
			50	0	21.04	-2.52	16.37	<=34.77	Pass	
	711	1	0	21.94	-2.52	17.27	<=34.77	Pass		
			25	21.90	-2.52	17.23	<=34.77	Pass		
			49	21.96	-2.52	17.29	<=34.77	Pass		
		25	0	21.03	-2.52	16.36	<=34.77	Pass		
			13	21.14	-2.52	16.47	<=34.77	Pass		
			25	21.10	-2.52	16.43	<=34.77	Pass		
			50	0	21.02	-2.52	16.35	<=34.77	Pass	
256QAM	704	1	0	17.84	-2.52	13.17	<=34.77	Pass		
			25	18.17	-2.52	13.50	<=34.77	Pass		

			49	18.01	-2.52	13.34	<=34.77	Pass
		25	0	18.03	-2.52	13.36	<=34.77	Pass
			13	18.14	-2.52	13.47	<=34.77	Pass
			25	18.11	-2.52	13.44	<=34.77	Pass
		50	0	18.13	-2.52	13.46	<=34.77	Pass
	707.5	1	0	17.83	-2.52	13.16	<=34.77	Pass
			25	17.93	-2.52	13.26	<=34.77	Pass
			49	18.33	-2.52	13.66	<=34.77	Pass
		25	0	18.13	-2.52	13.46	<=34.77	Pass
			13	18.05	-2.52	13.38	<=34.77	Pass
			25	18.15	-2.52	13.48	<=34.77	Pass
		50	0	18.06	-2.52	13.39	<=34.77	Pass
		711	1	0	18.04	-2.52	13.37	<=34.77
	25			18.13	-2.52	13.46	<=34.77	Pass
	49			17.91	-2.52	13.24	<=34.77	Pass
	25		0	18.04	-2.52	13.37	<=34.77	Pass
			13	18.10	-2.52	13.43	<=34.77	Pass
			25	18.12	-2.52	13.45	<=34.77	Pass
	50		0	18.12	-2.52	13.45	<=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	1.100	0.0016	-2.5 to 2.5	Pass
					NV	1.800	0.0025	-2.5 to 2.5	Pass
					HV	2.100	0.0030	-2.5 to 2.5	Pass
				-30	NV	0.800	0.0011	-2.5 to 2.5	Pass
				-20	NV	0.100	0.0001	-2.5 to 2.5	Pass
				-10	NV	2.200	0.0031	-2.5 to 2.5	Pass
				0	NV	1.400	0.0020	-2.5 to 2.5	Pass
				10	NV	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	NV	0.600	0.0008	-2.5 to 2.5	Pass
				40	NV	1.500	0.0021	-2.5 to 2.5	Pass
				50	NV	0.700	0.0010	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

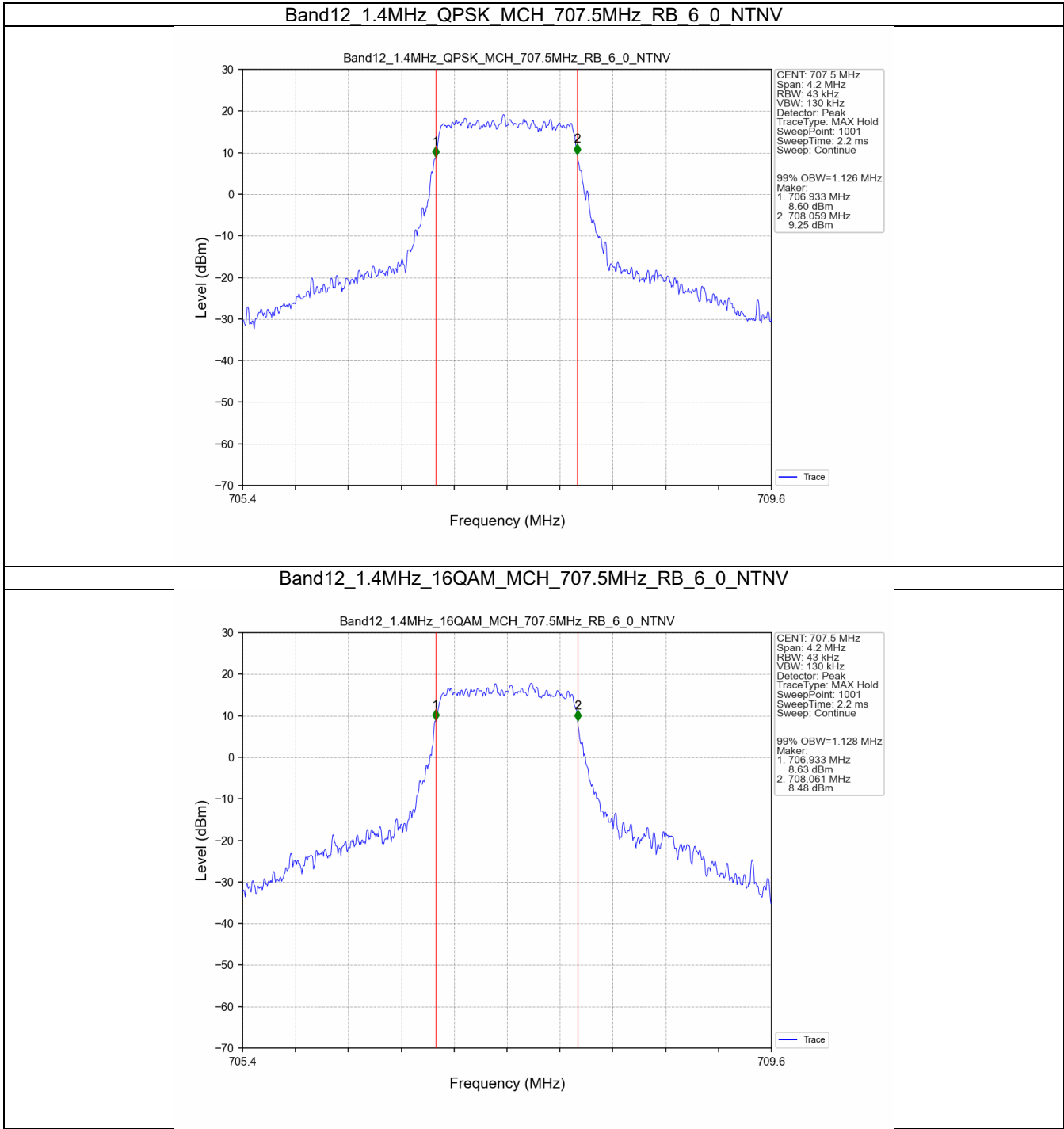
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.126	/	Pass
	16QAM	707.5	6	0	1.128	/	Pass
	64QAM	707.5	6	0	1.119	/	Pass
	256QAM	707.5	6	0	1.113	/	Pass
3	QPSK	707.5	15	0	2.741	/	Pass
	16QAM	707.5	15	0	2.731	/	Pass
	64QAM	707.5	15	0	2.738	/	Pass
	256QAM	707.5	15	0	2.744	/	Pass
5	QPSK	707.5	25	0	4.559	/	Pass
	16QAM	707.5	25	0	4.566	/	Pass
	64QAM	707.5	25	0	4.577	/	Pass
	256QAM	707.5	25	0	4.518	/	Pass
10	QPSK	707.5	50	0	9.074	/	Pass
	16QAM	707.5	50	0	9.078	/	Pass
	64QAM	707.5	50	0	9.064	/	Pass
	256QAM	707.5	50	0	9.073	/	Pass

3.1.2 Band12_XDB

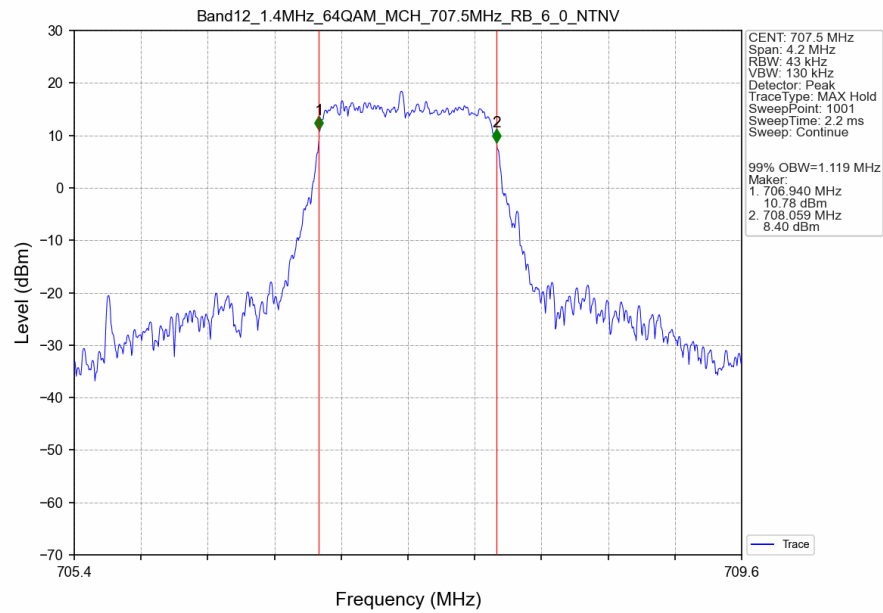
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.376	/	Pass
	16QAM	707.5	6	0	1.391	/	Pass
	64QAM	707.5	6	0	1.370	/	Pass
	256QAM	707.5	6	0	1.367	/	Pass
3	QPSK	707.5	15	0	3.104	/	Pass
	16QAM	707.5	15	0	3.107	/	Pass
	64QAM	707.5	15	0	3.103	/	Pass
	256QAM	707.5	15	0	3.134	/	Pass
5	QPSK	707.5	25	0	5.229	/	Pass
	16QAM	707.5	25	0	5.158	/	Pass
	64QAM	707.5	25	0	5.258	/	Pass
	256QAM	707.5	25	0	5.055	/	Pass
10	QPSK	707.5	50	0	10.117	/	Pass
	16QAM	707.5	50	0	10.139	/	Pass
	64QAM	707.5	50	0	10.186	/	Pass
	256QAM	707.5	50	0	10.146	/	Pass

3.2 Test Graph

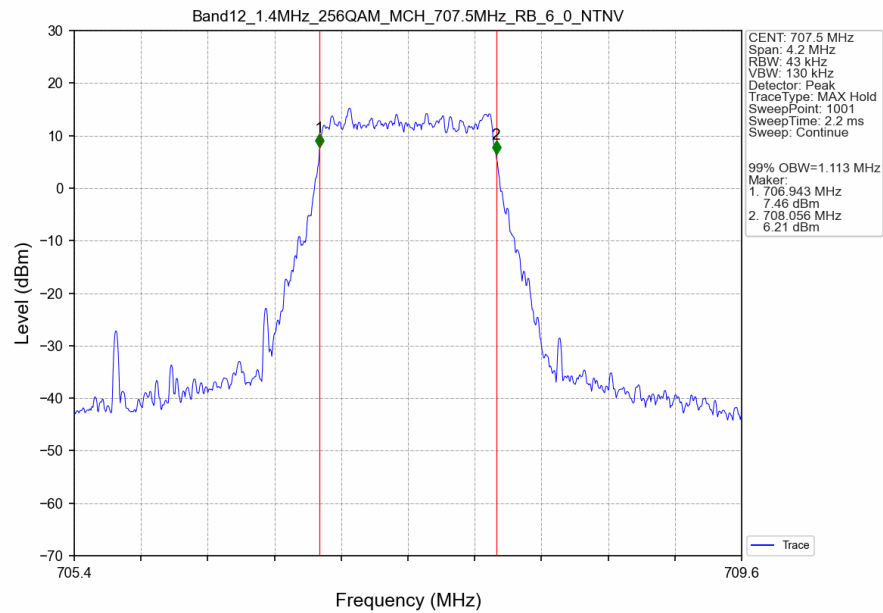
3.2.1 Band12_OBW



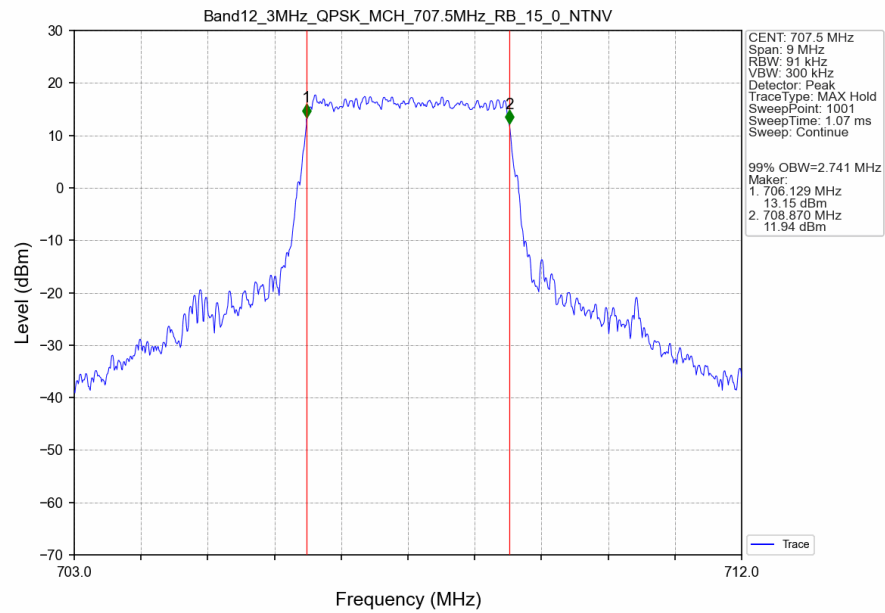
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV



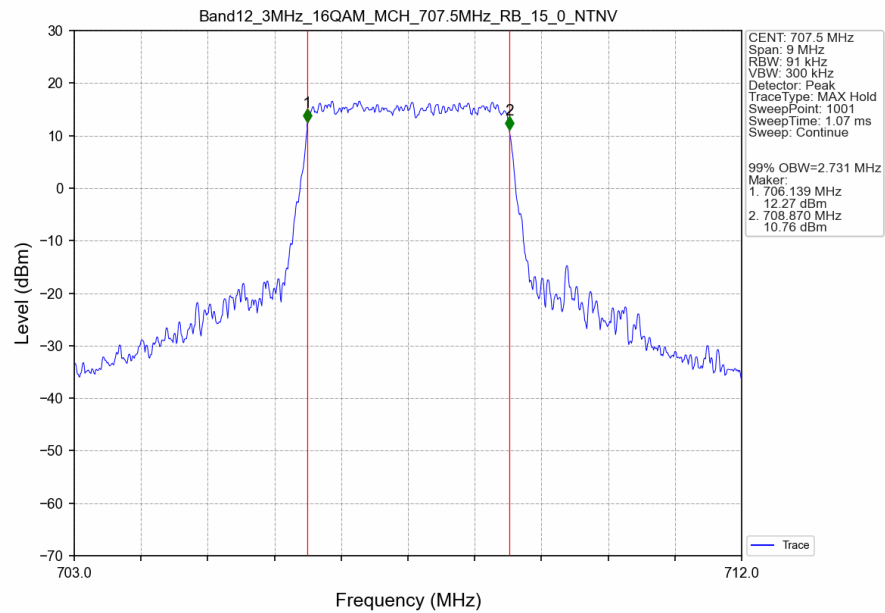
Band12 1.4MHz 256QAM MCH 707.5MHz RB 6 0 NTNV



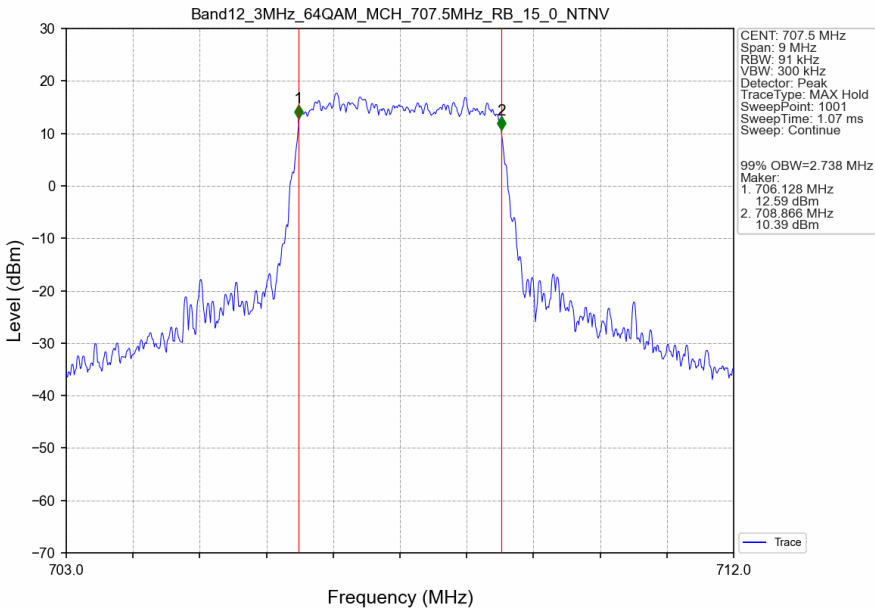
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTV



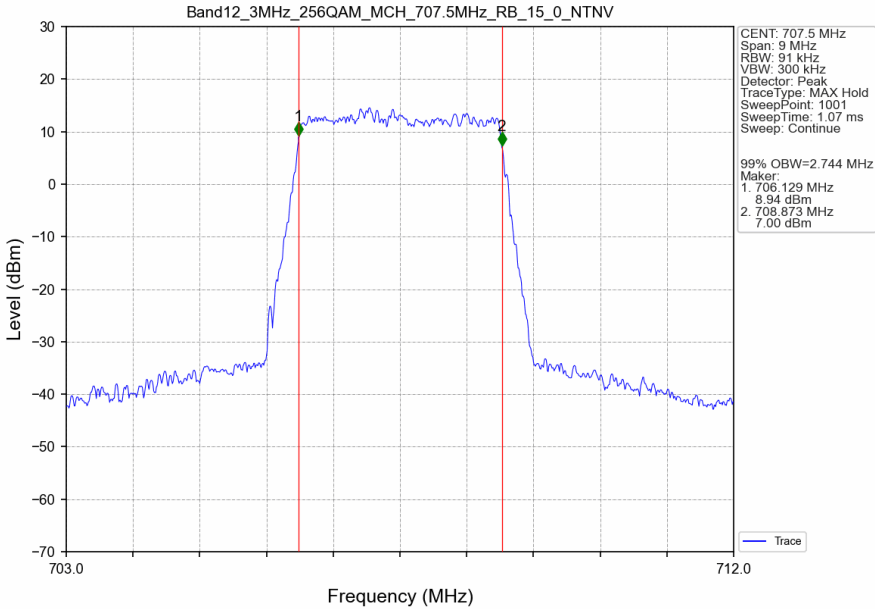
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTV



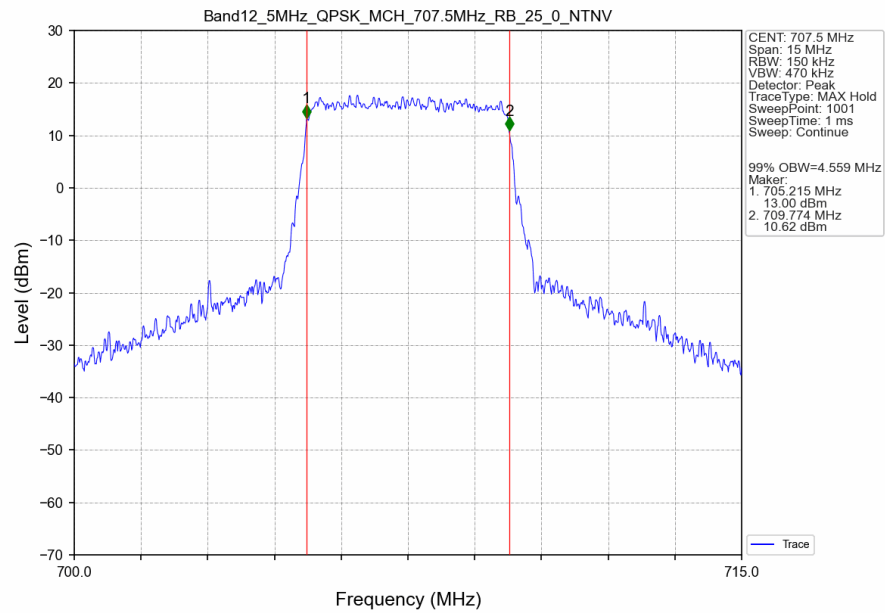
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTN



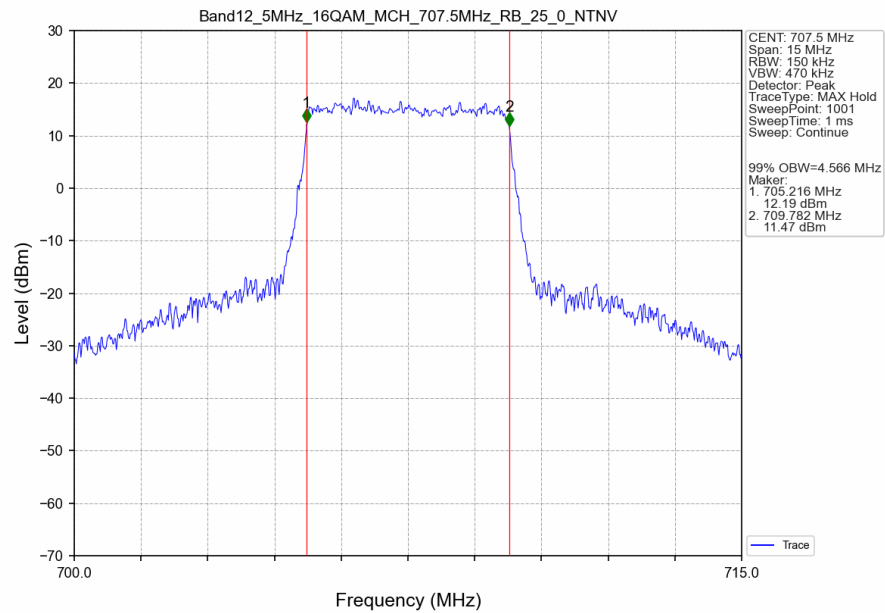
Band12 3MHz 256QAM MCH 707.5MHz RB 15 0 NTN



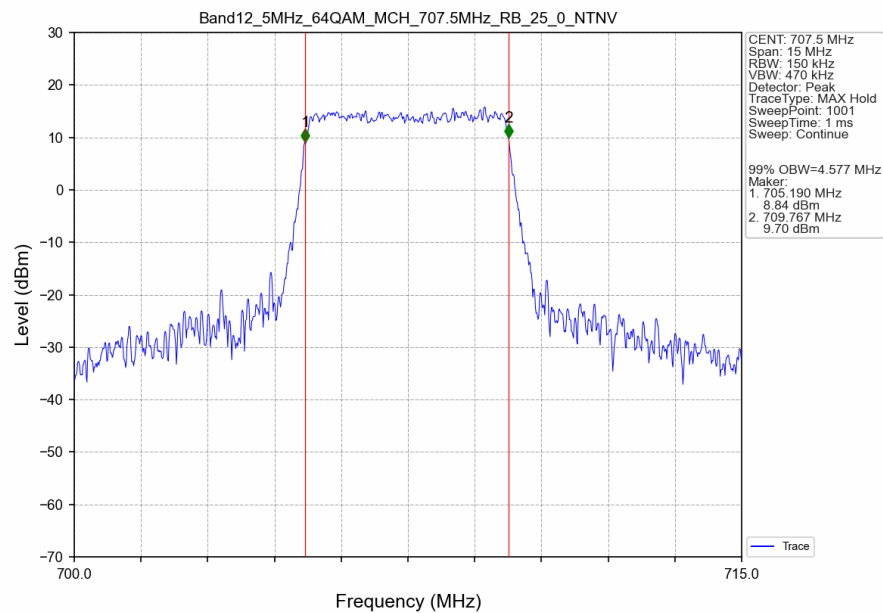
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTV



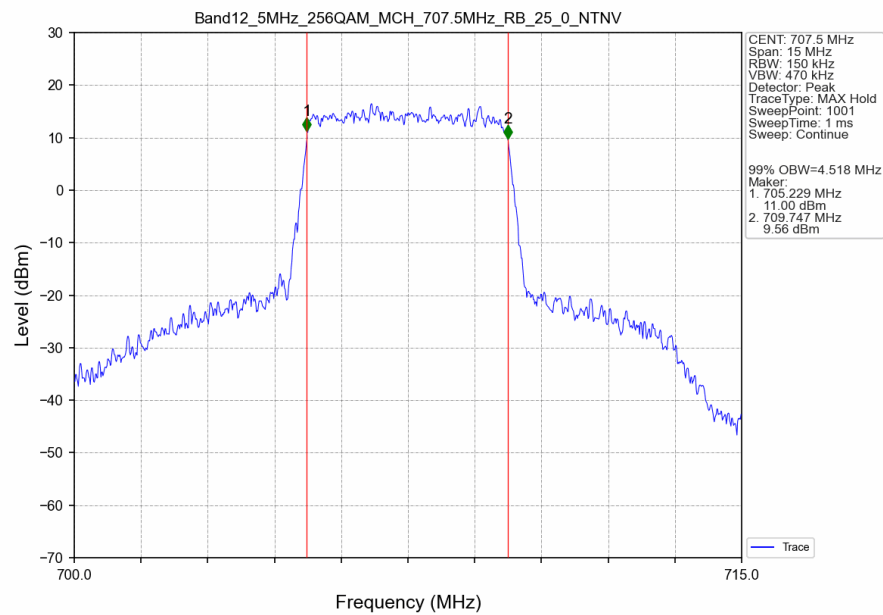
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTV



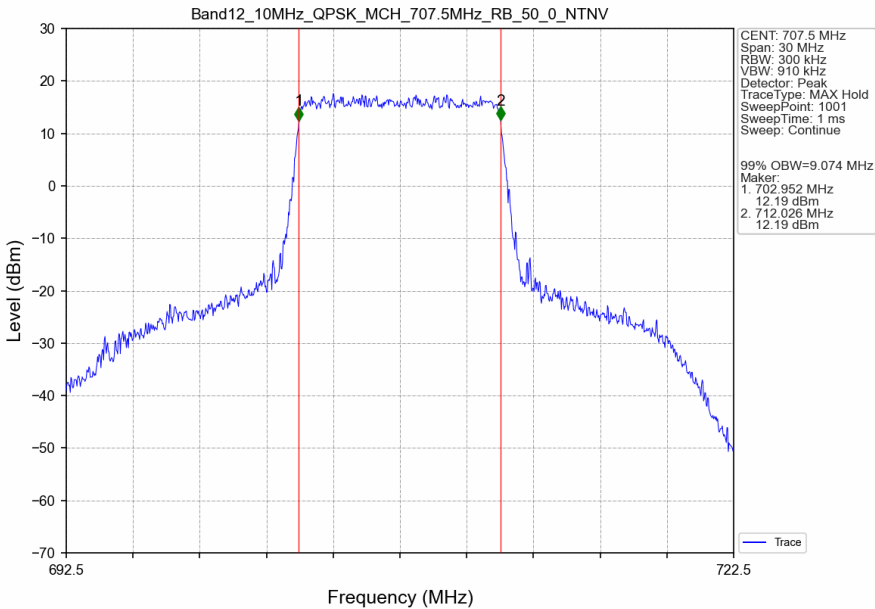
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTV



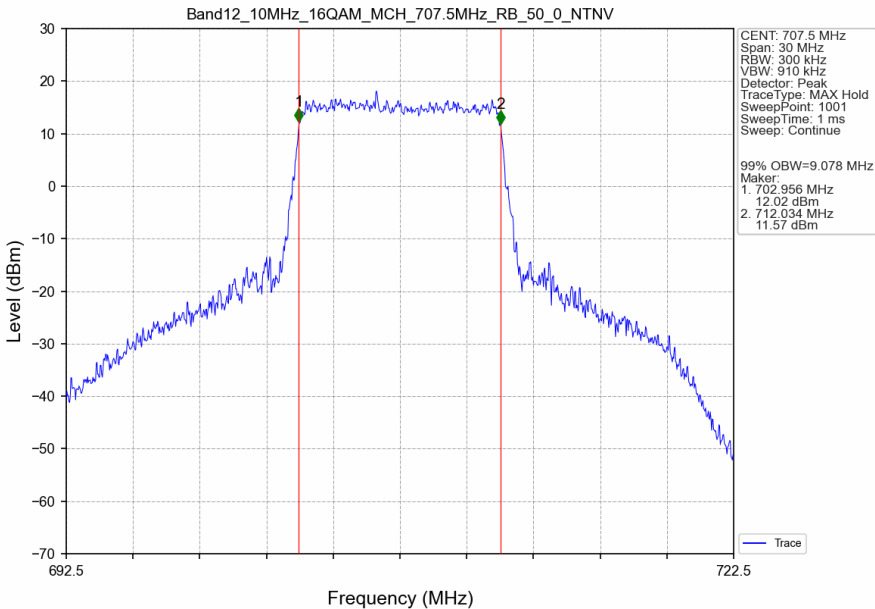
Band12 5MHz 256QAM MCH 707.5MHz RB 25 0 NTV



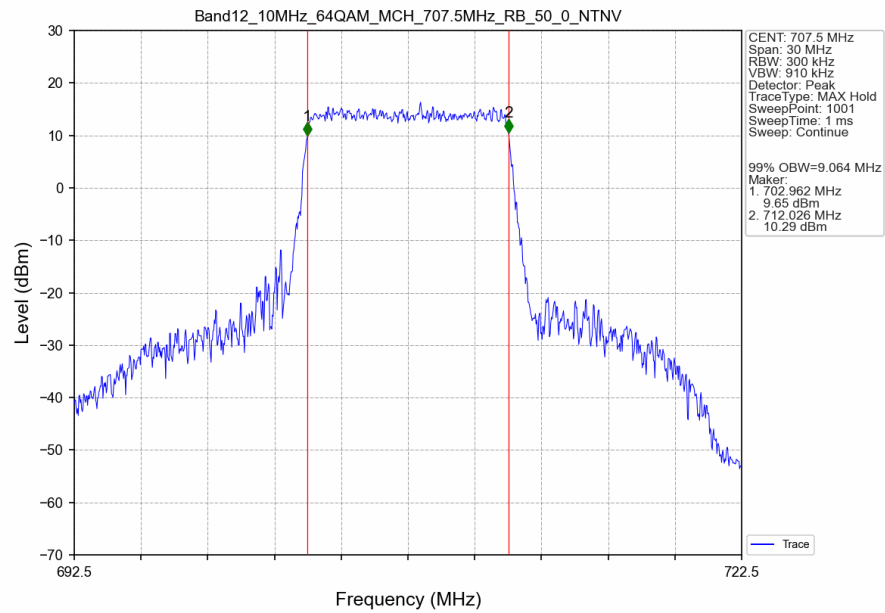
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTV



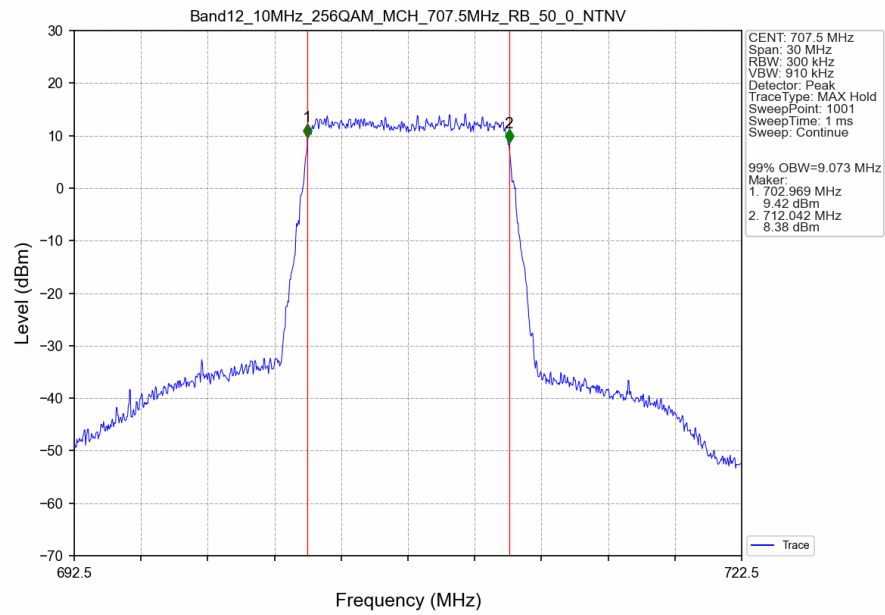
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTV



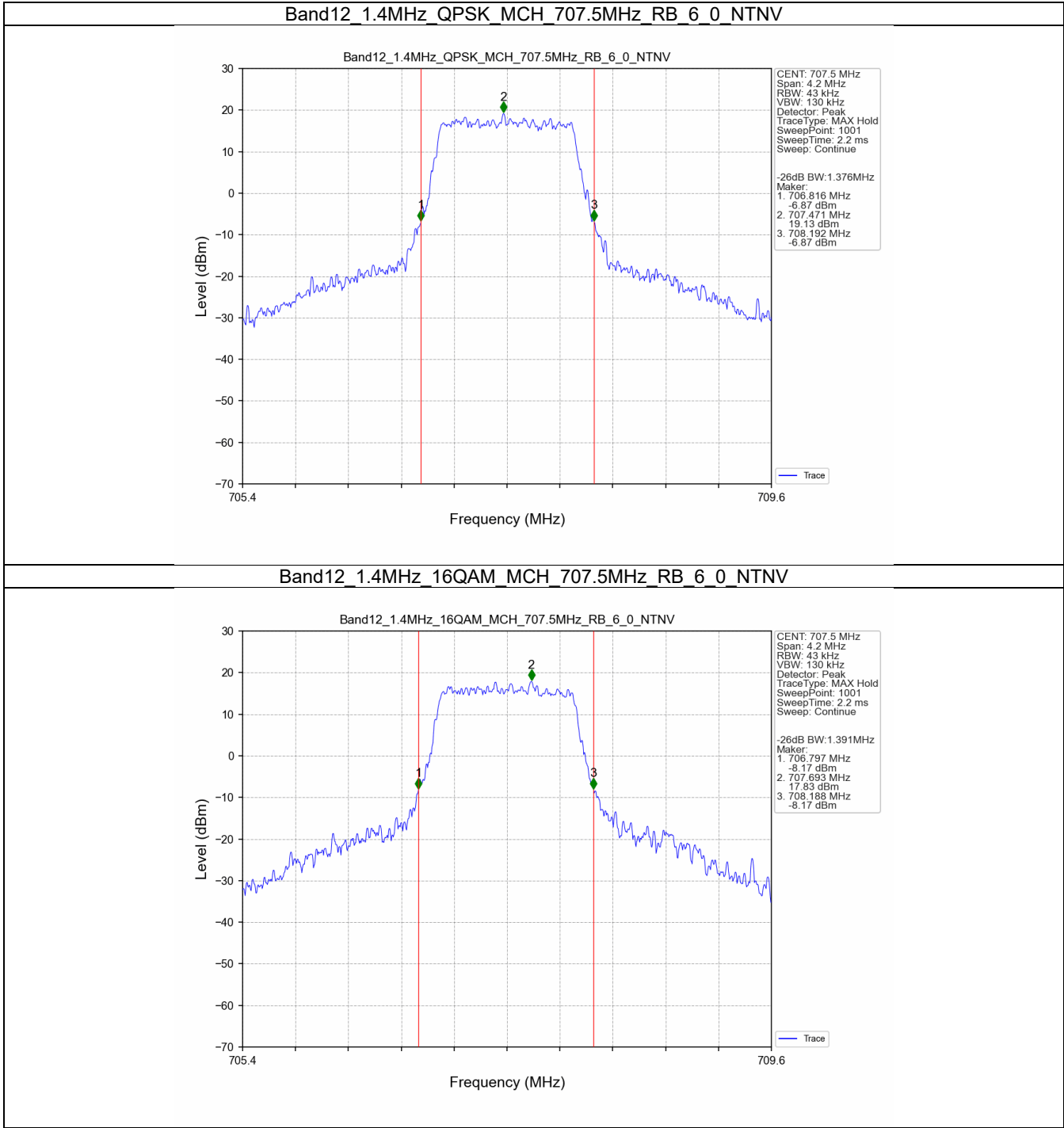
Band12 10MHz 64QAM MCH 707.5MHz RB 50 0 NTN



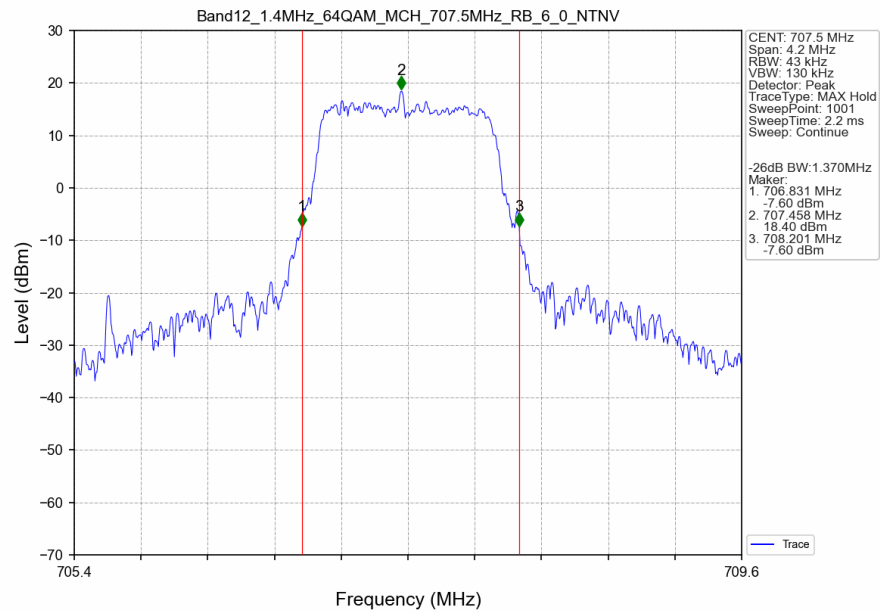
Band12 10MHz 256QAM MCH 707.5MHz RB 50 0 NTN



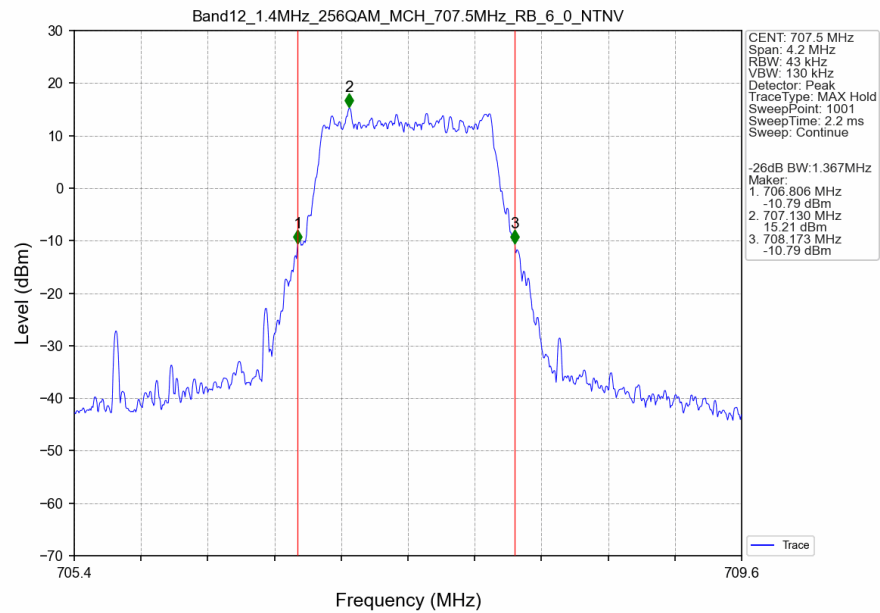
3.2.2 Band12_XDB



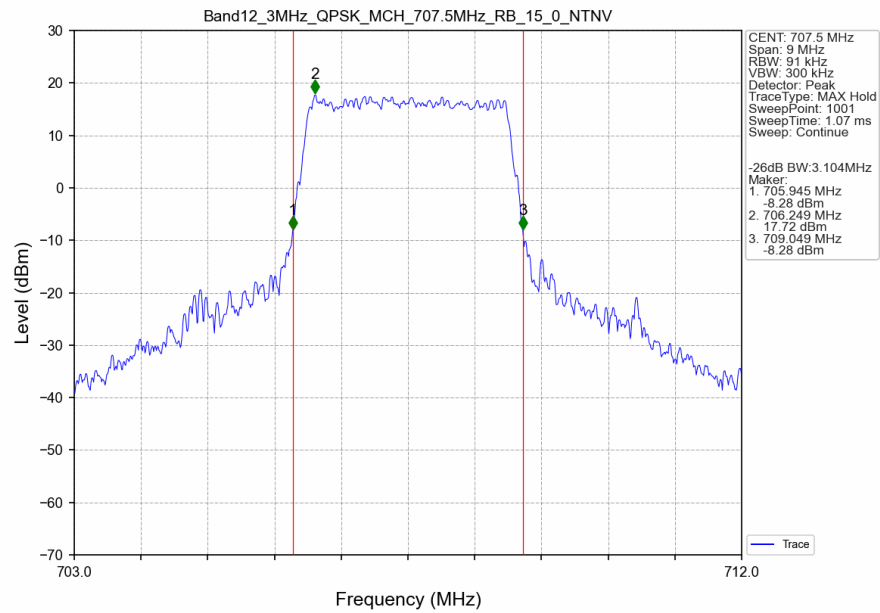
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTV



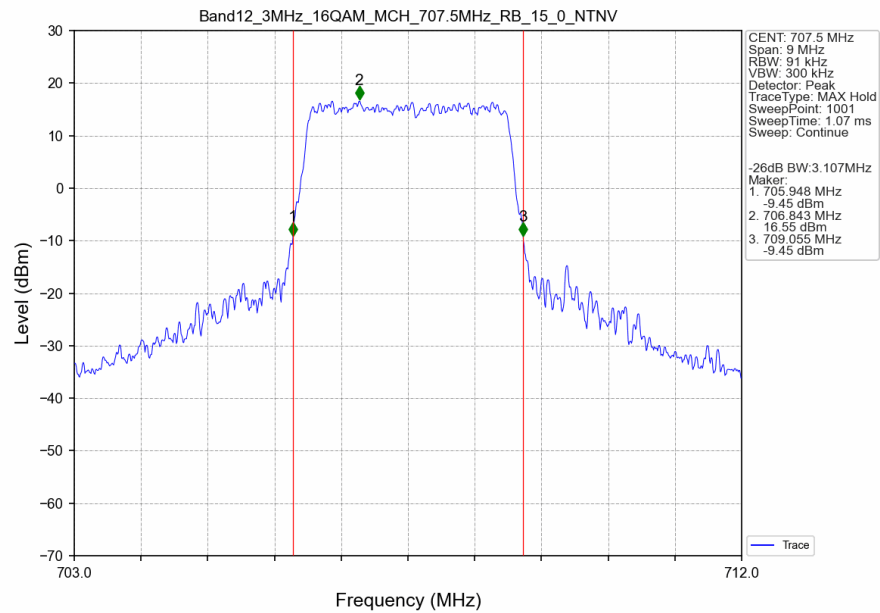
Band12 1.4MHz 256QAM MCH 707.5MHz RB 6 0 NTV



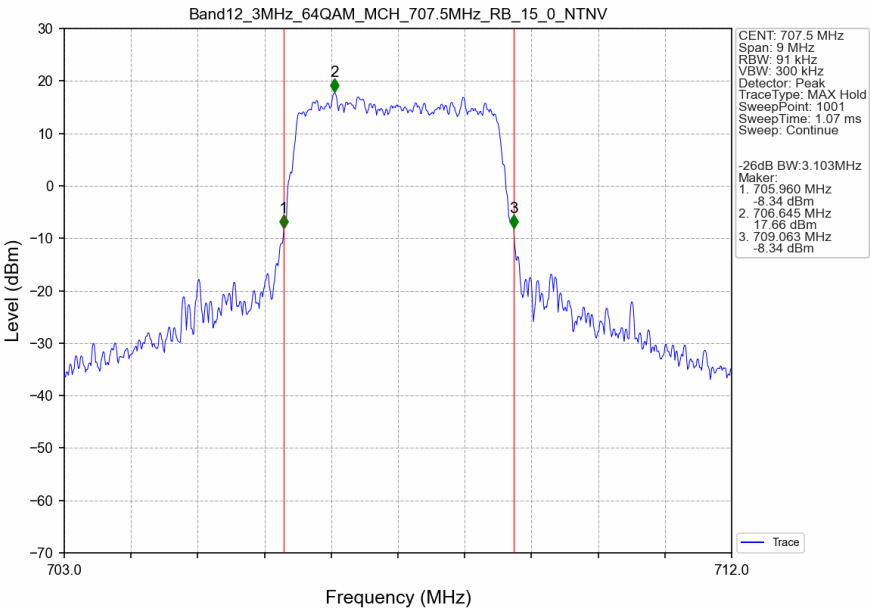
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTN



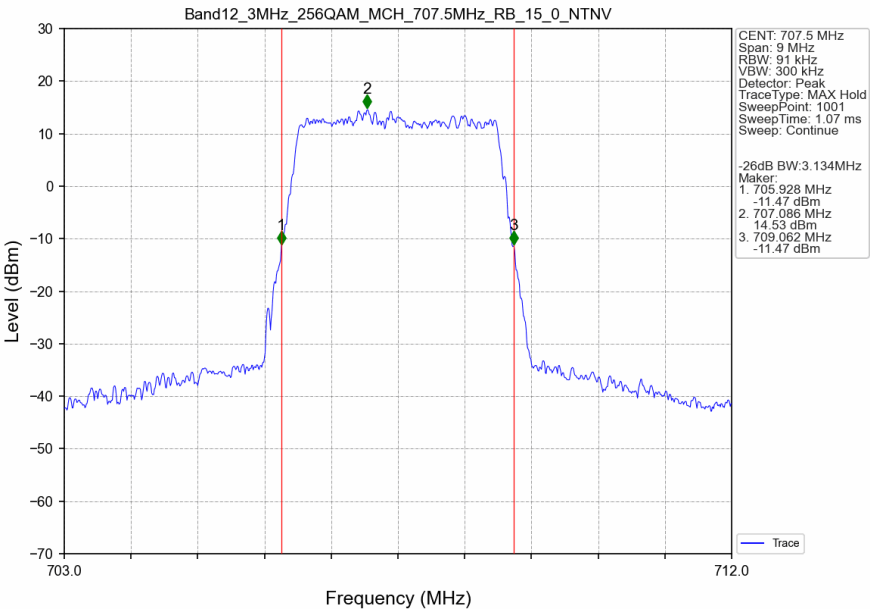
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTN



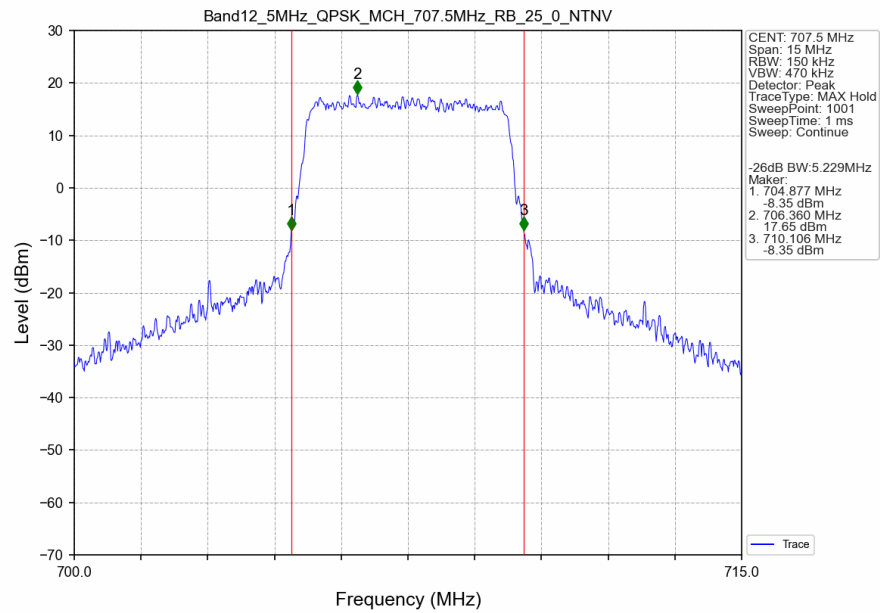
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTN



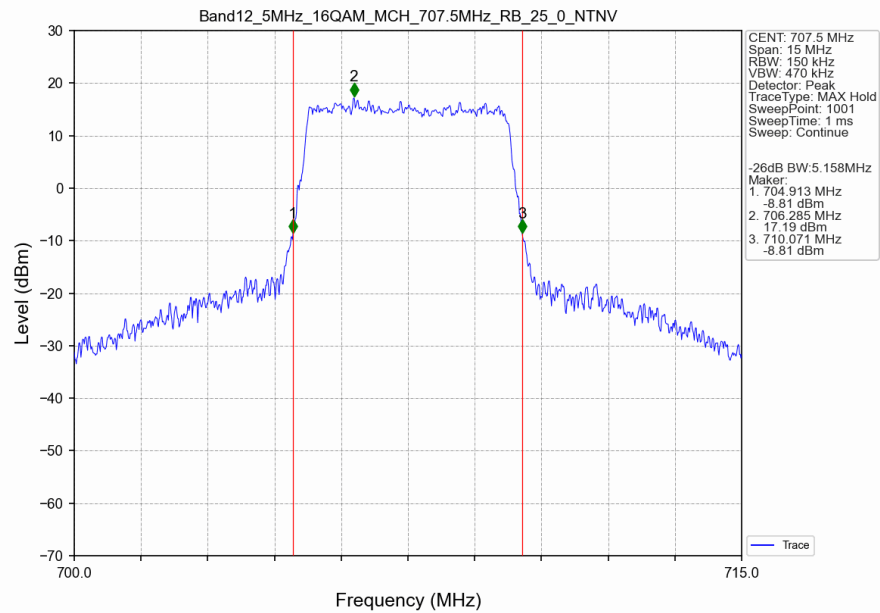
Band12 3MHz 256QAM MCH 707.5MHz RB 15 0 NTN



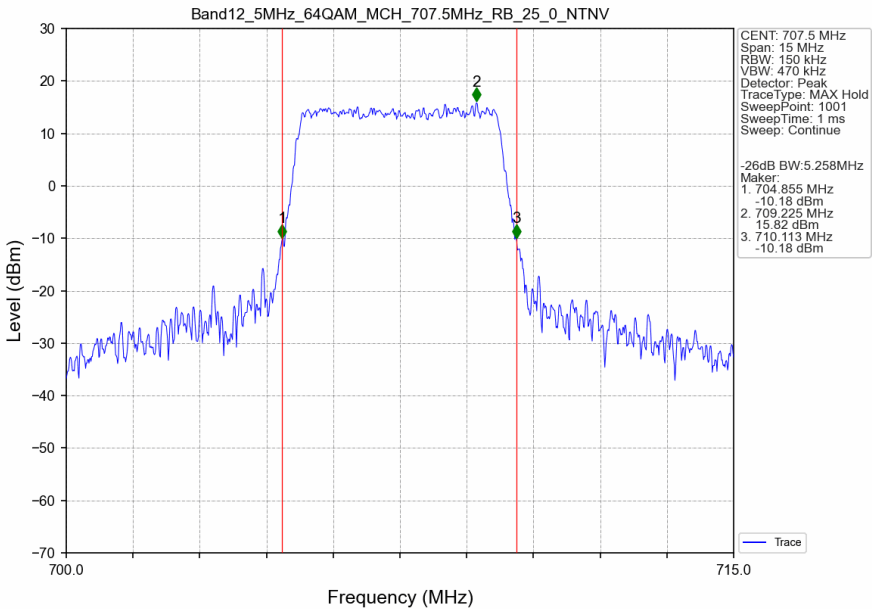
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



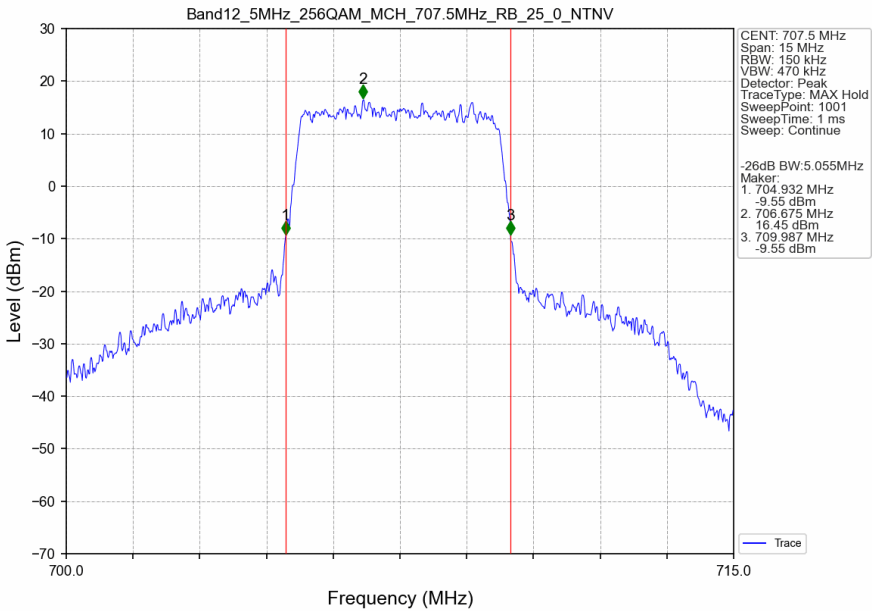
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



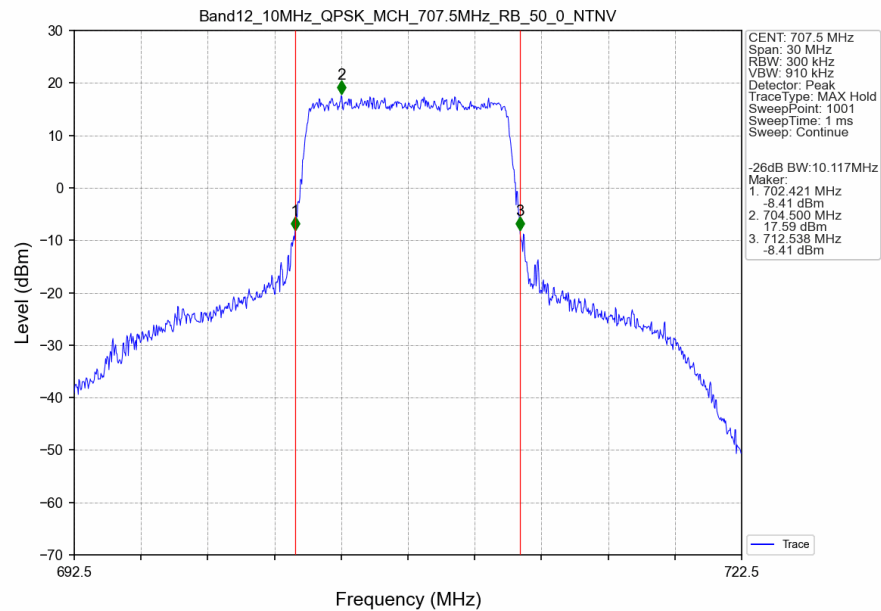
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTN



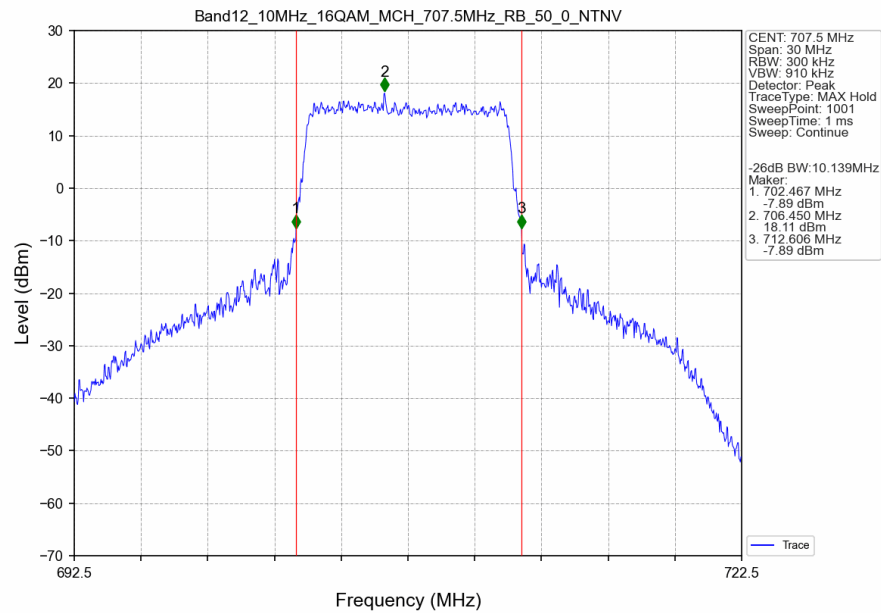
Band12 5MHz 256QAM MCH 707.5MHz RB 25 0 NTN



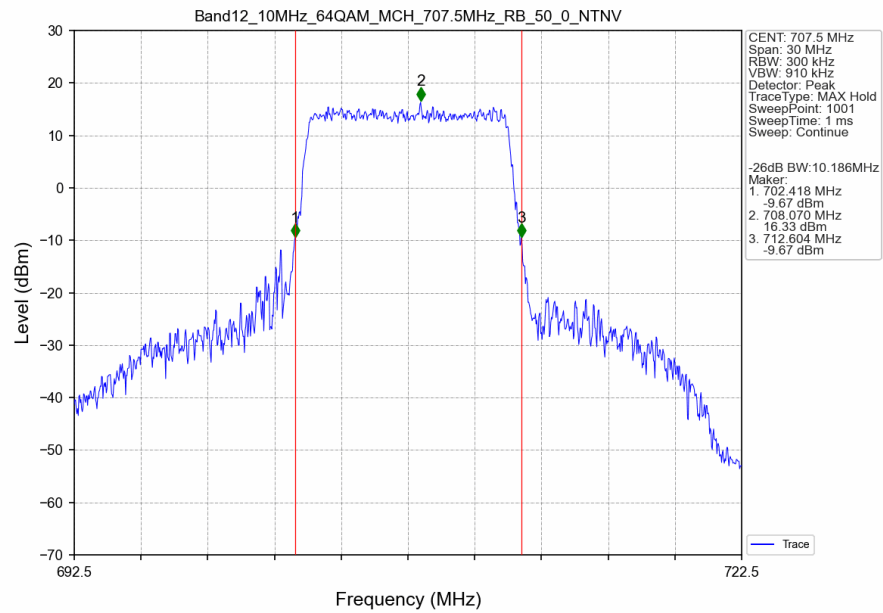
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTV



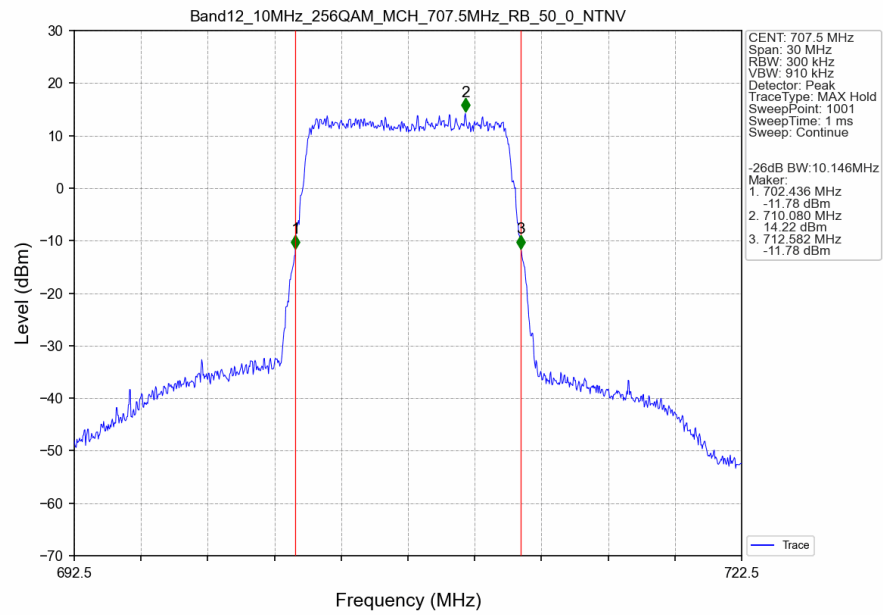
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTV



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



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



4. Peak-Average Ratio

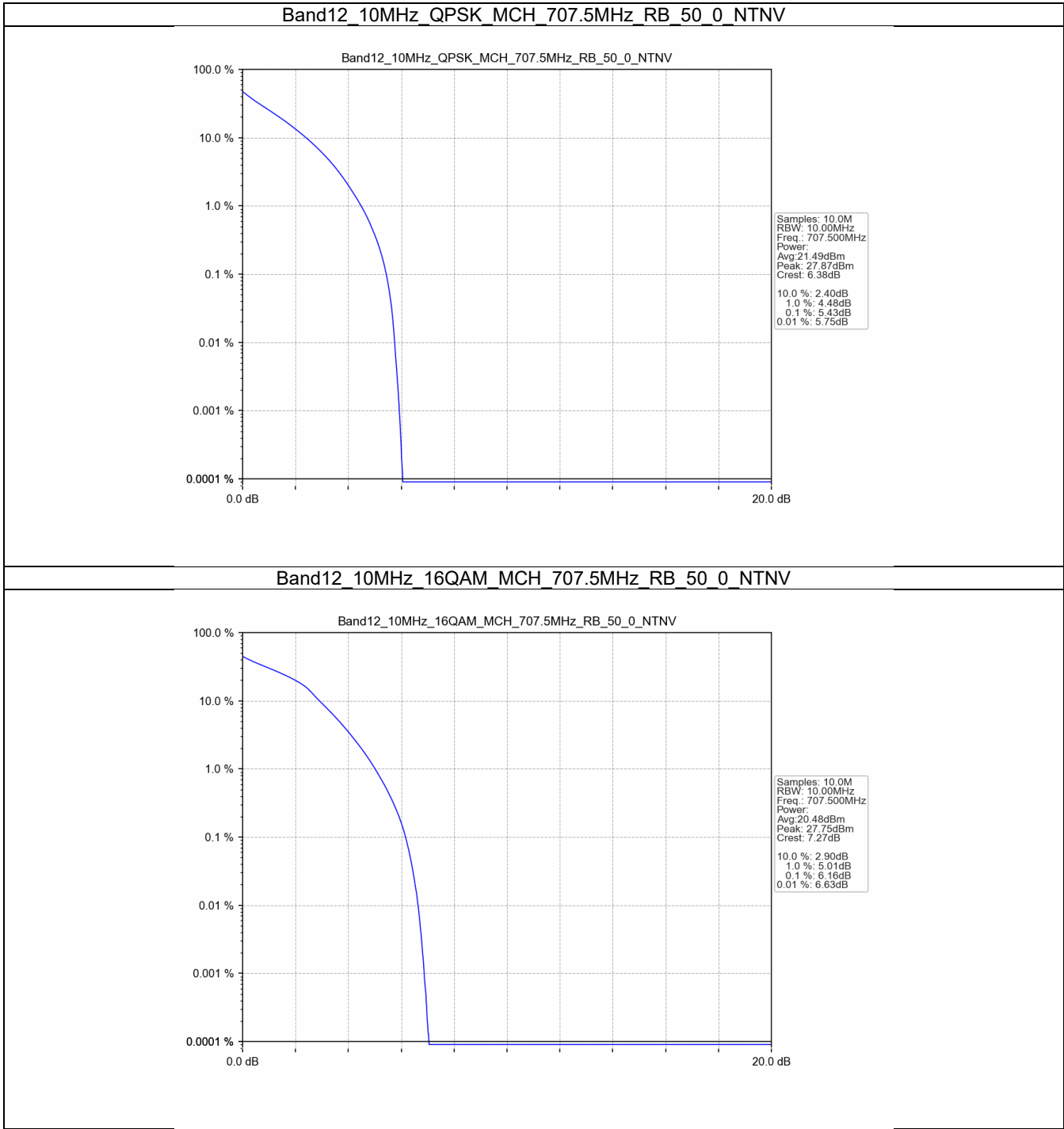
4.1 Test Result

4.1.1 B12_10MHz

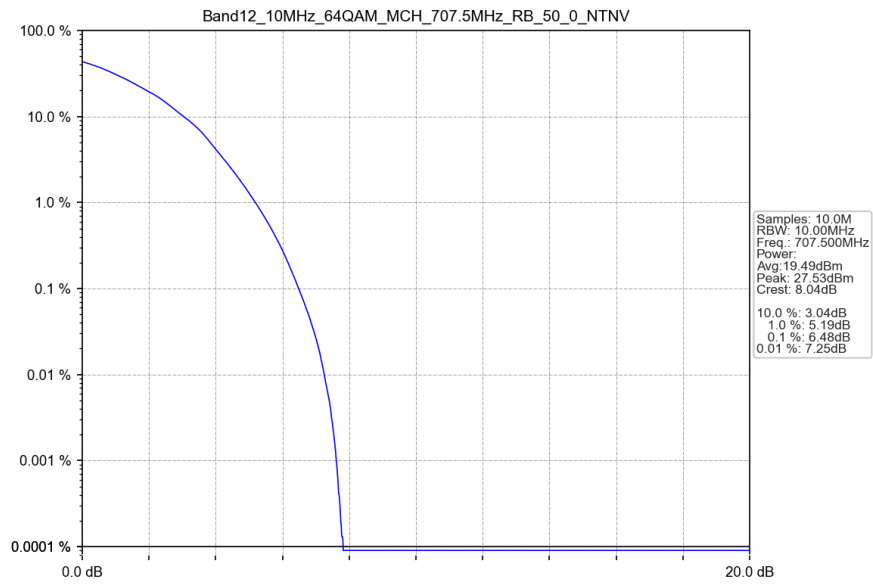
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.43	<=13	Pass
16QAM	707.5	50	0	6.16	<=13	Pass
64QAM	707.5	50	0	6.48	<=13	Pass
256QAM	707.5	50	0	6.66	<=13	Pass

4.2 Test Graph

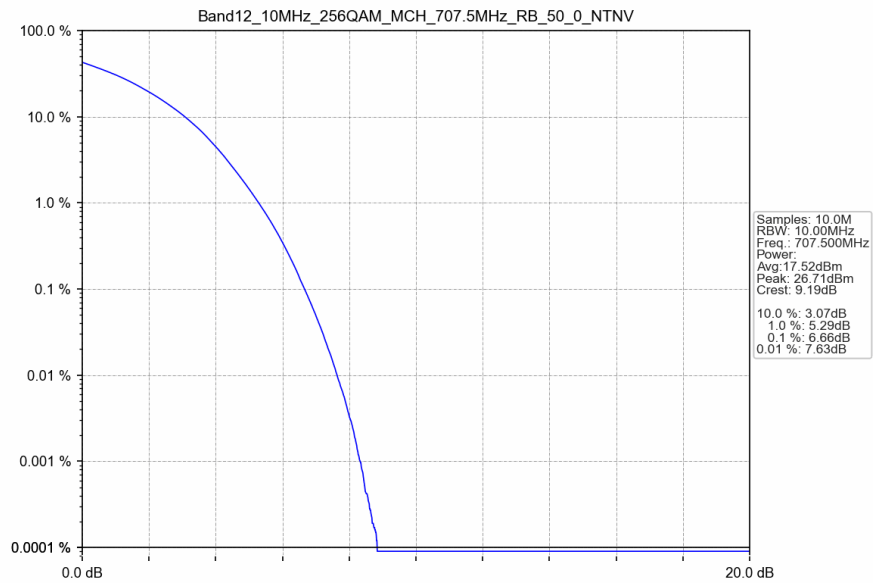
4.2.1 B12_10MHz



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



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



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		Pass
			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

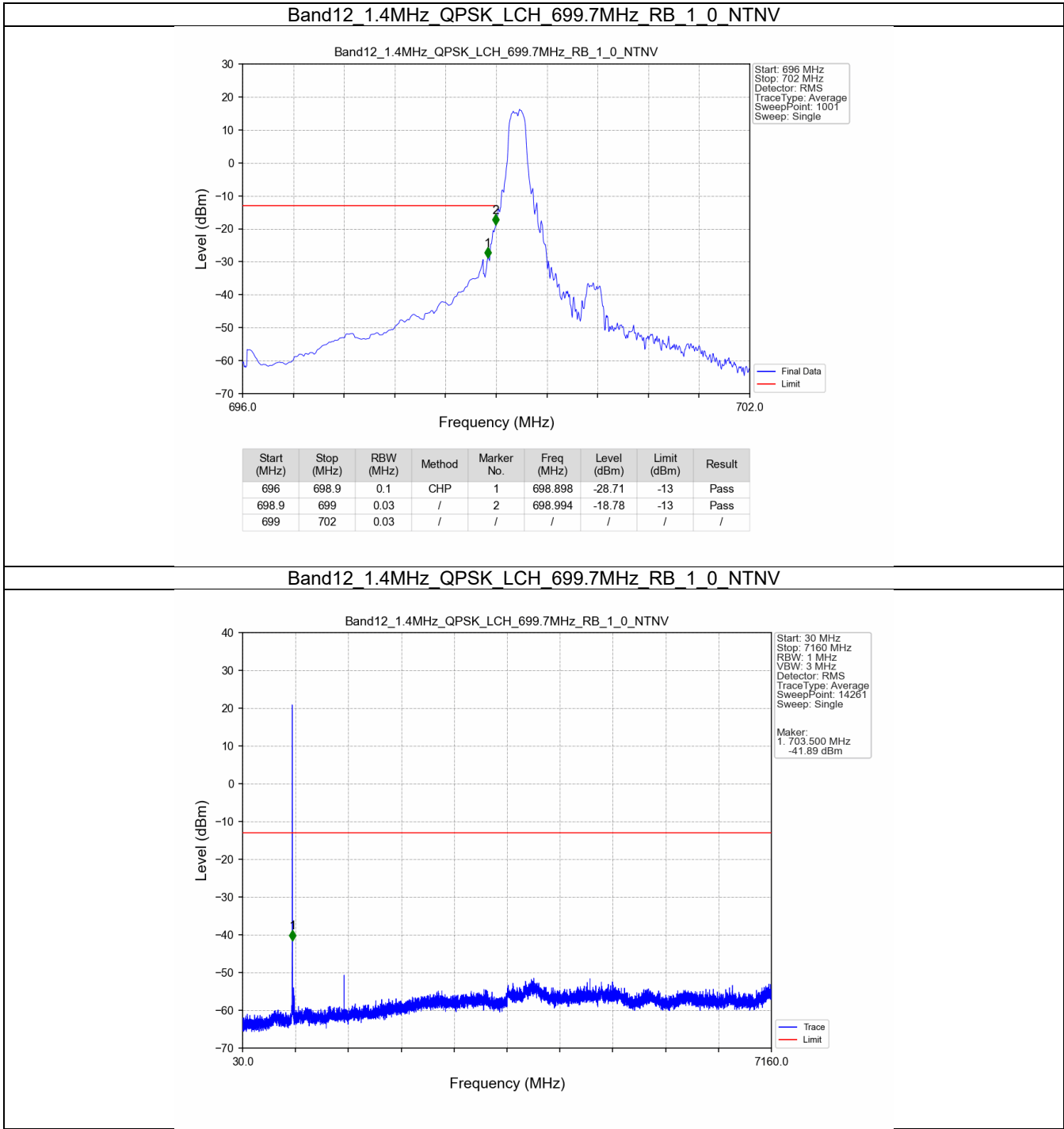
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B12_10MHz

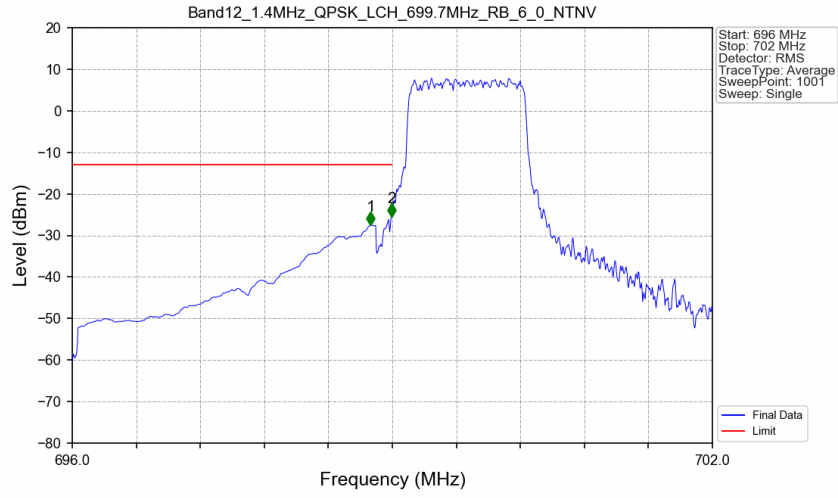
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B12_1.4MHz

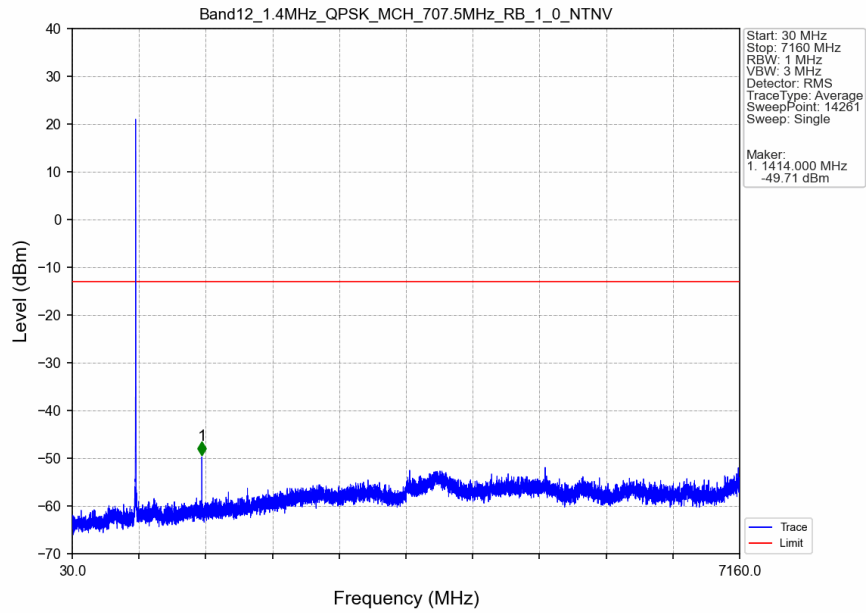


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV

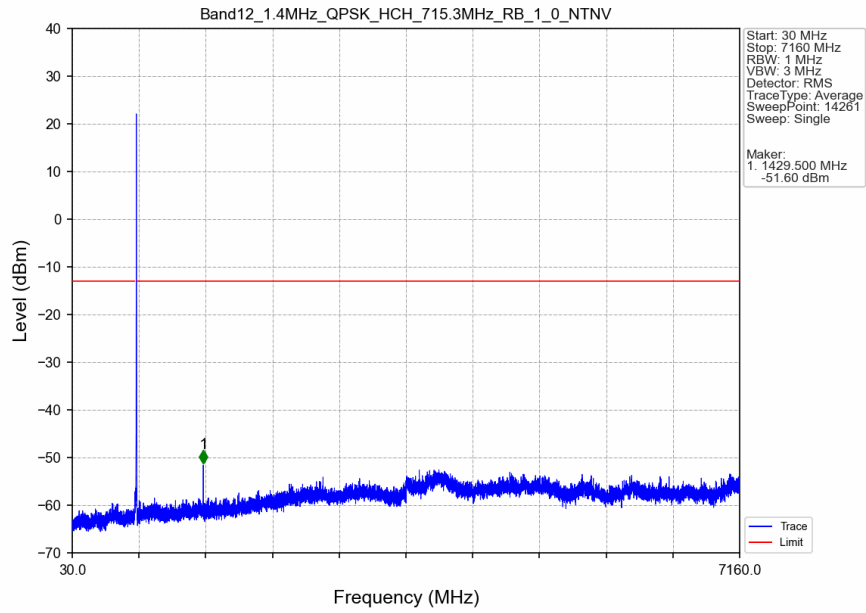


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.796	-27.53	-13	Pass
698.9	699	0.03	/	2	698.994	-25.43	-13	Pass
699	702	0.03	/	/	/	/	/	/

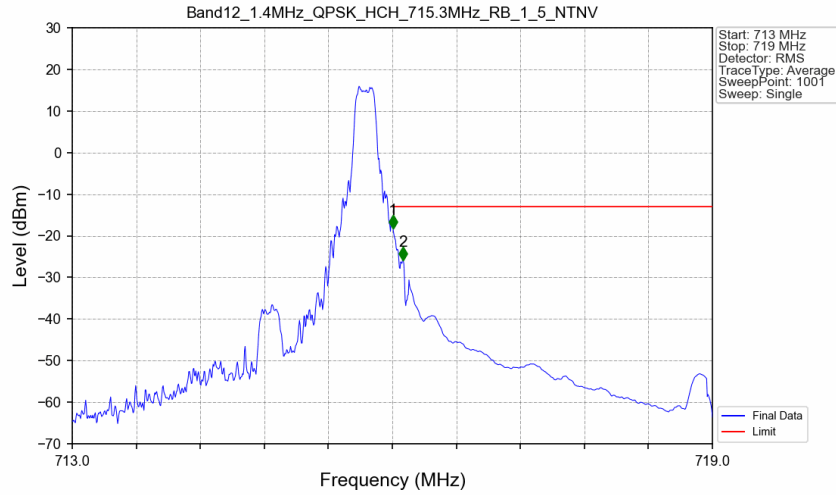
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV



Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV

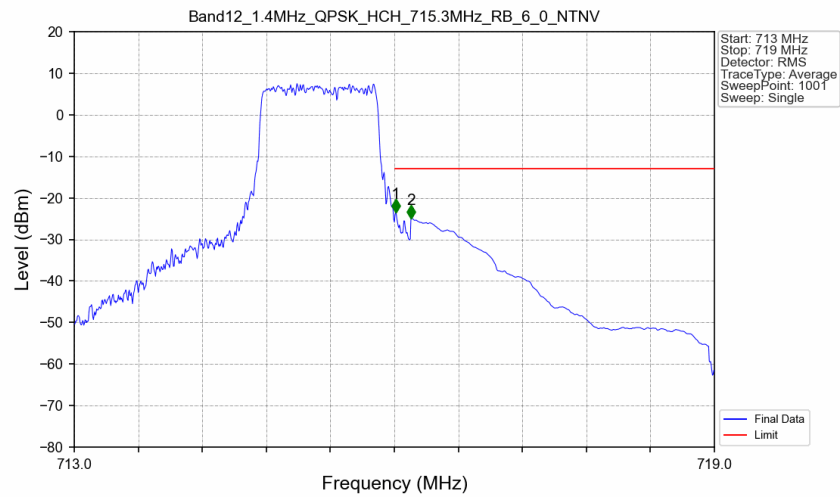


Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTV



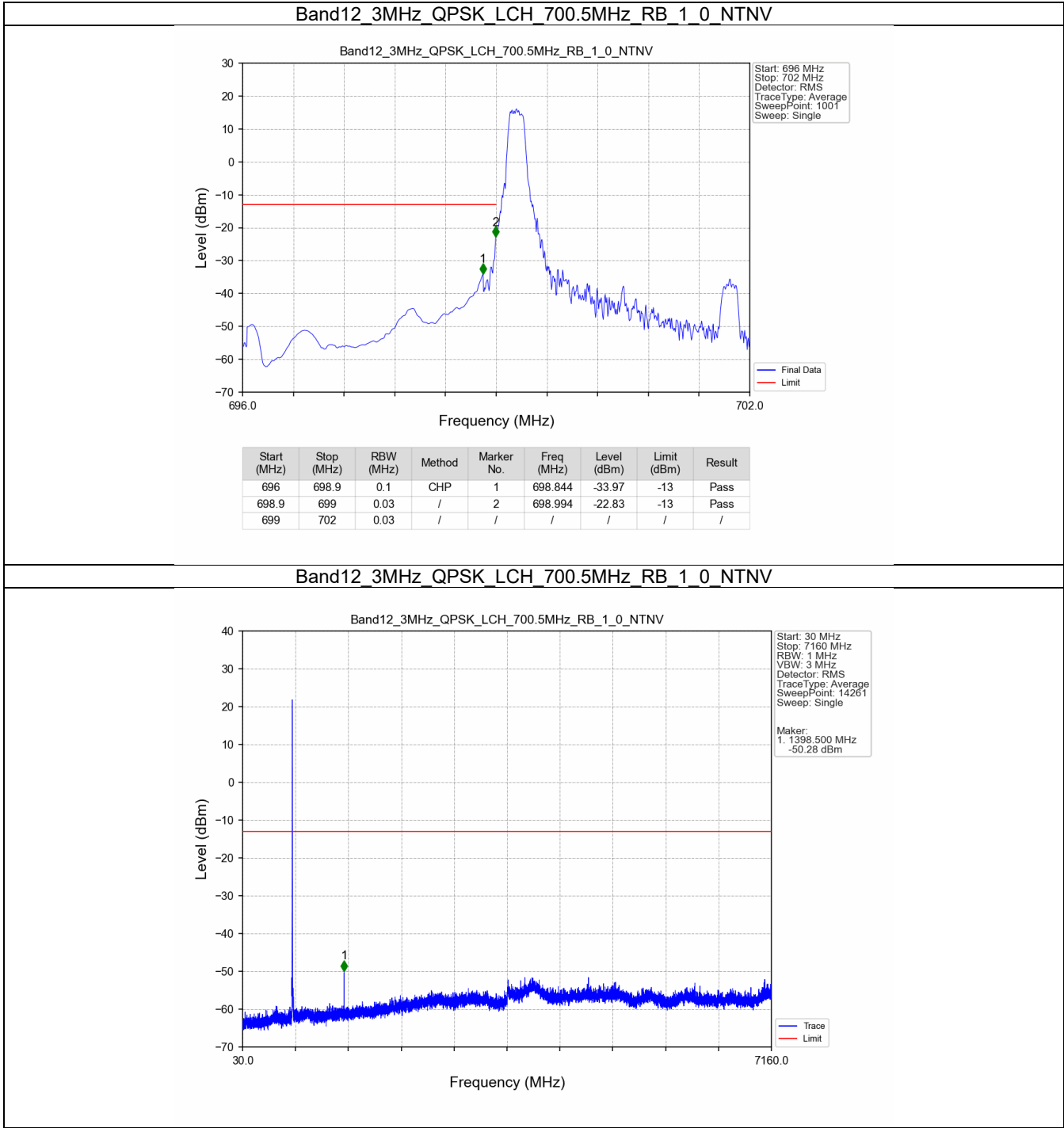
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-18.21	-13	Pass
716.1	719	0.1	CHP	2	716.102	-25.84	-13	Pass

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV

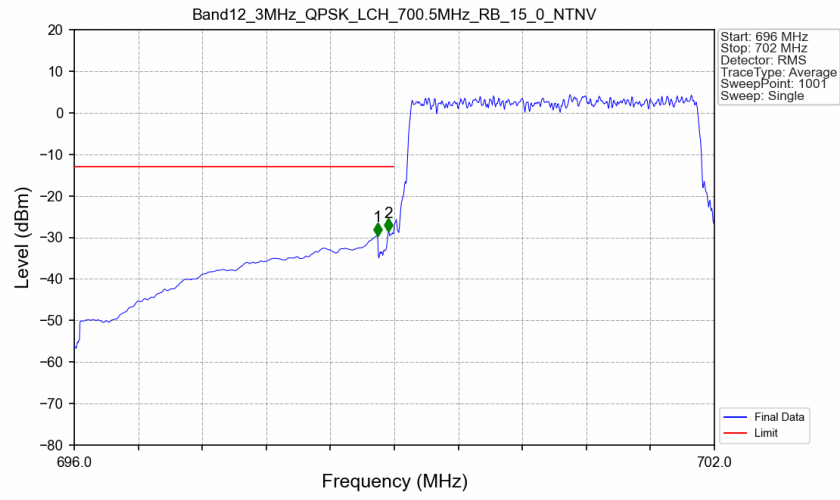


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-23.44	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.85	-13	Pass

5.2.2 B12_3MHz

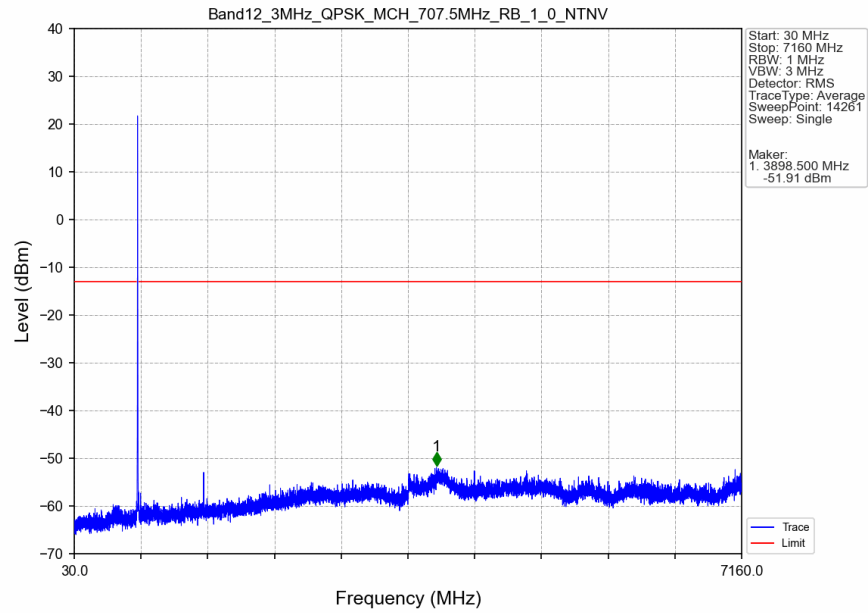


Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV

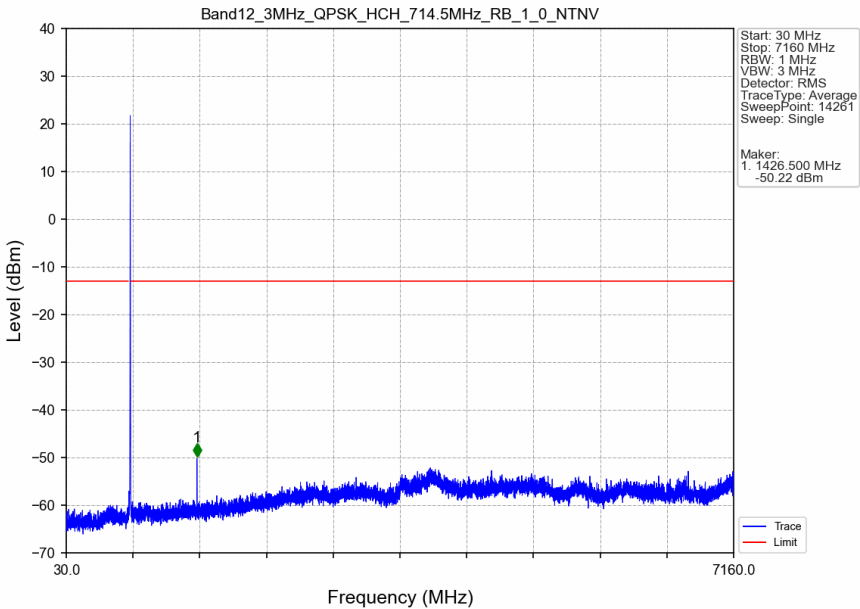


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.58	-13	Pass
698.9	699	0.03	/	2	698.946	-28.57	-13	Pass
699	702	0.03	/	/	/	/	/	/

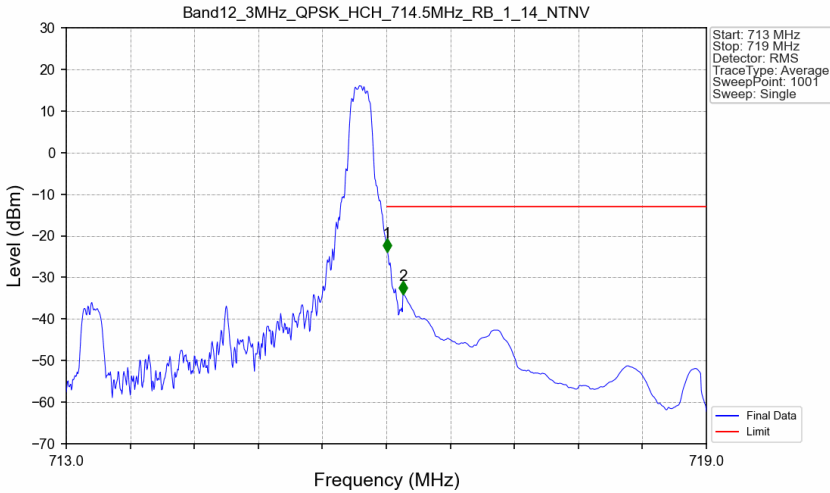
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTN

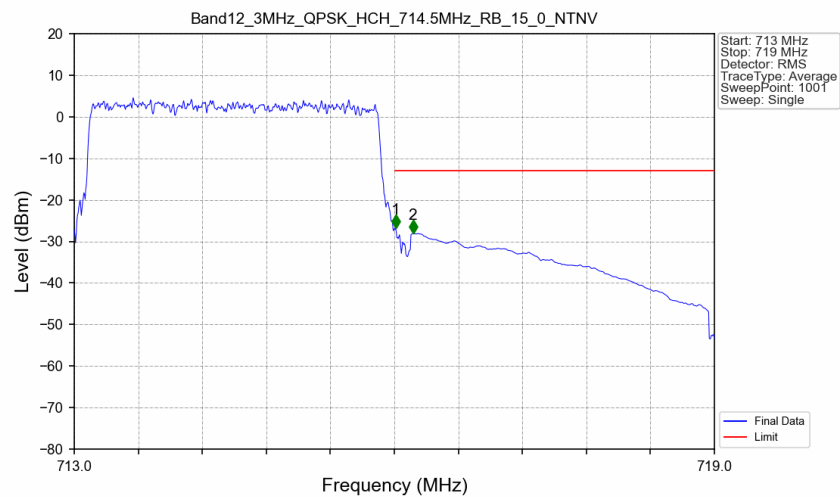


Band12 3MHz QPSK HCH 714.5MHz RB 1 14 NTN



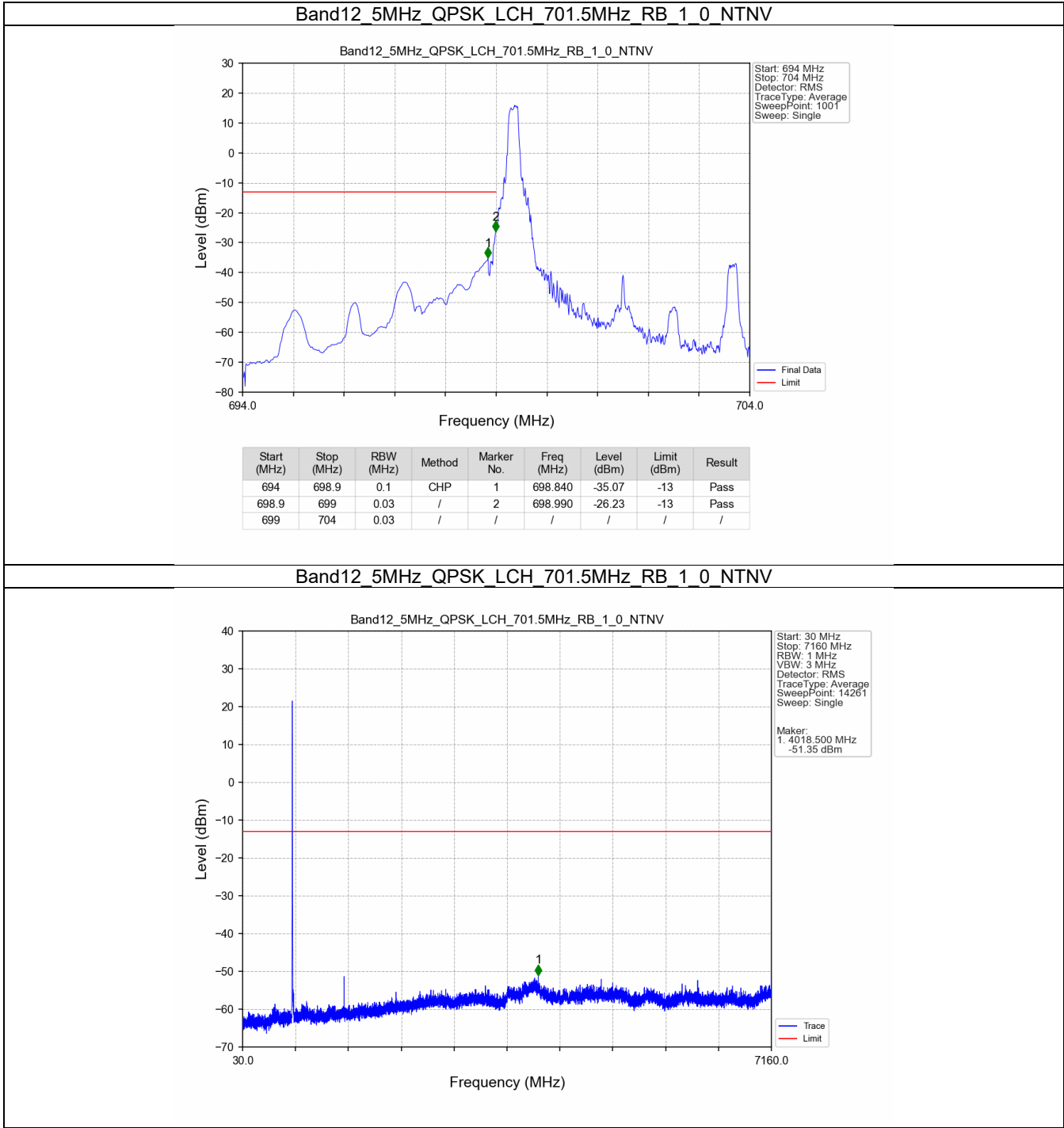
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-23.87	-13	Pass
716.1	719	0.1	CHP	2	716.156	-34.03	-13	Pass

Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTN

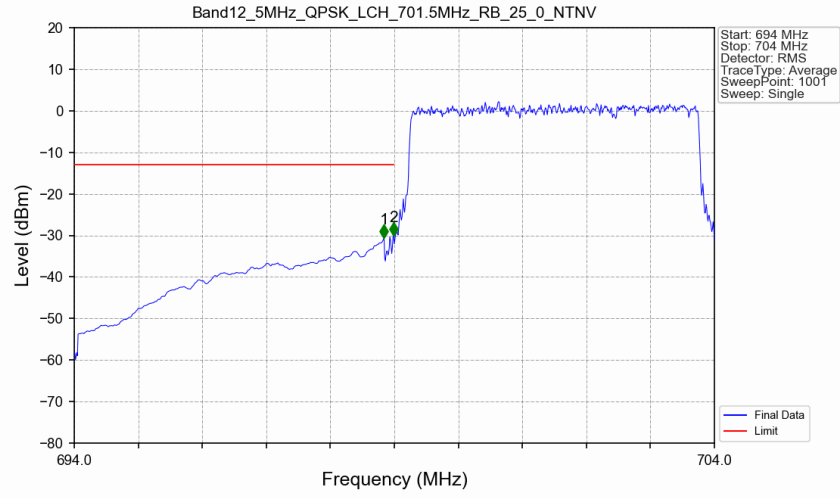


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-26.73	-13	Pass
716.1	719	0.1	CHP	2	716.174	-28.07	-13	Pass

5.2.3 B12_5MHz

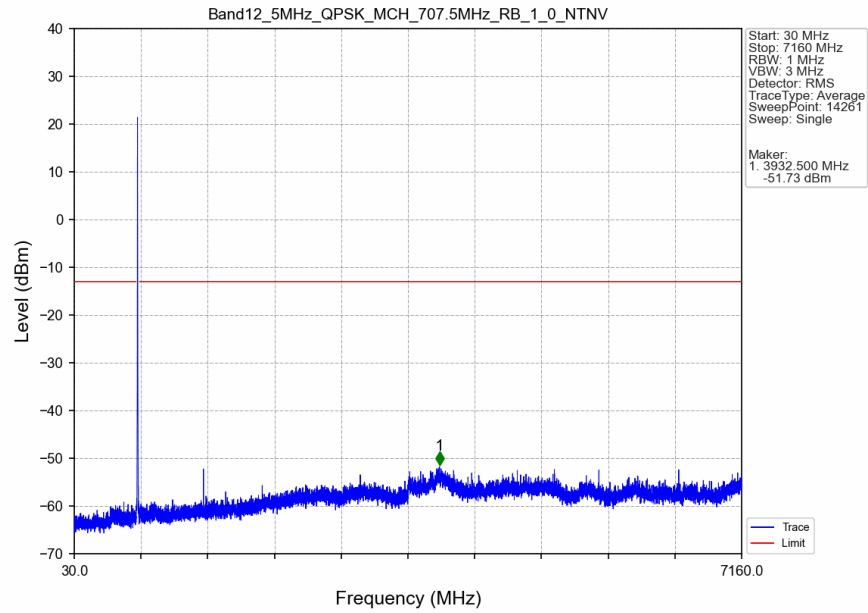


Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV

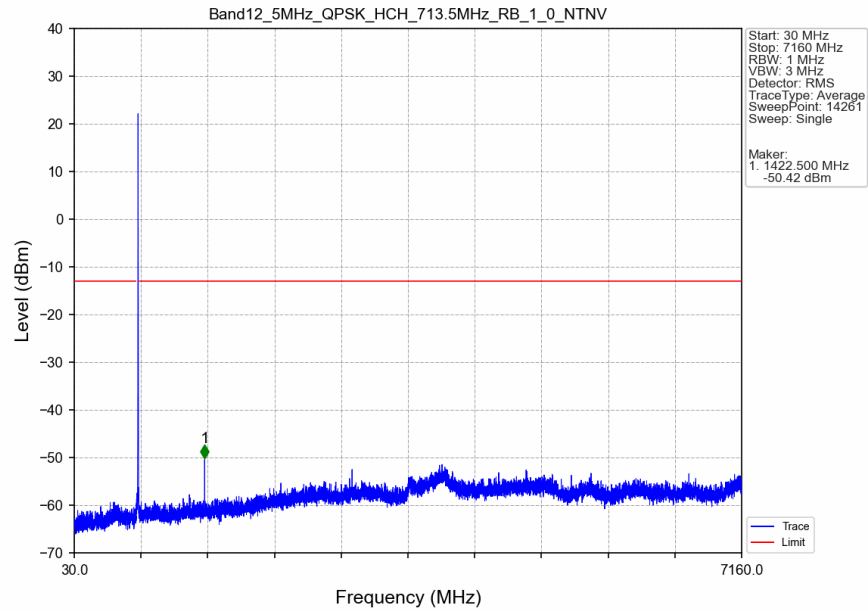


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-30.59	-13	Pass
698.9	699	0.03	/	2	698.990	-30.10	-13	Pass
699	704	0.03	/	/	/	/	/	/

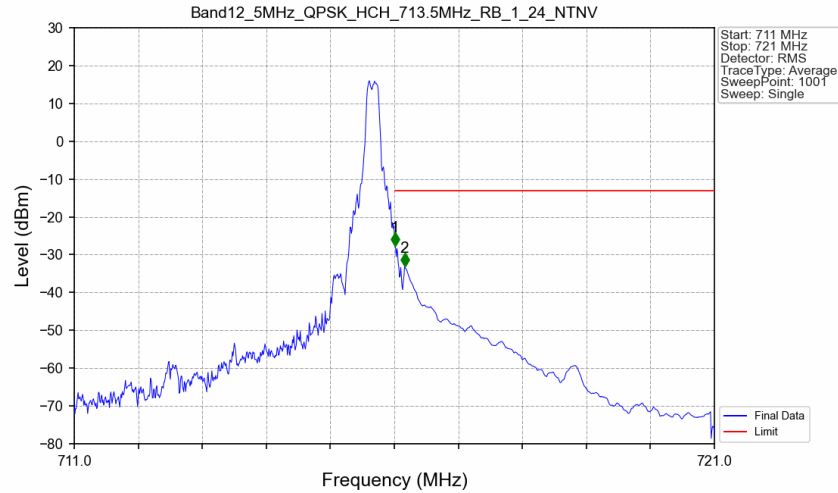
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTN

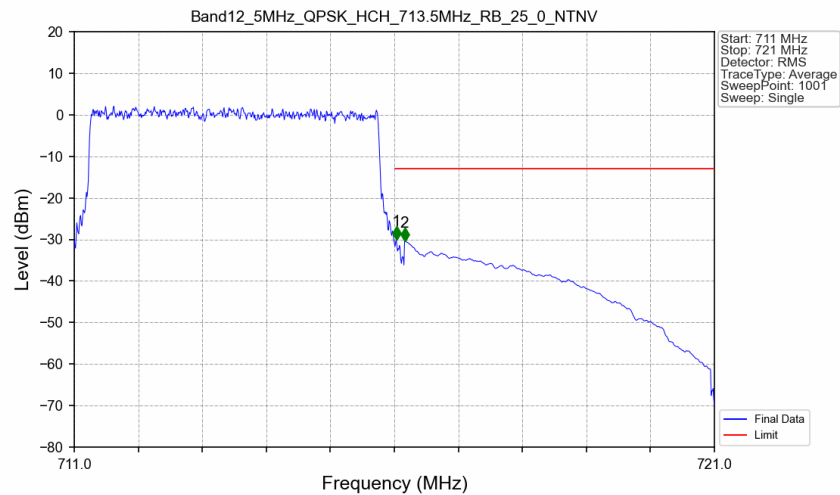


Band12 5MHz QPSK HCH 713.5MHz RB 1 24 NTN



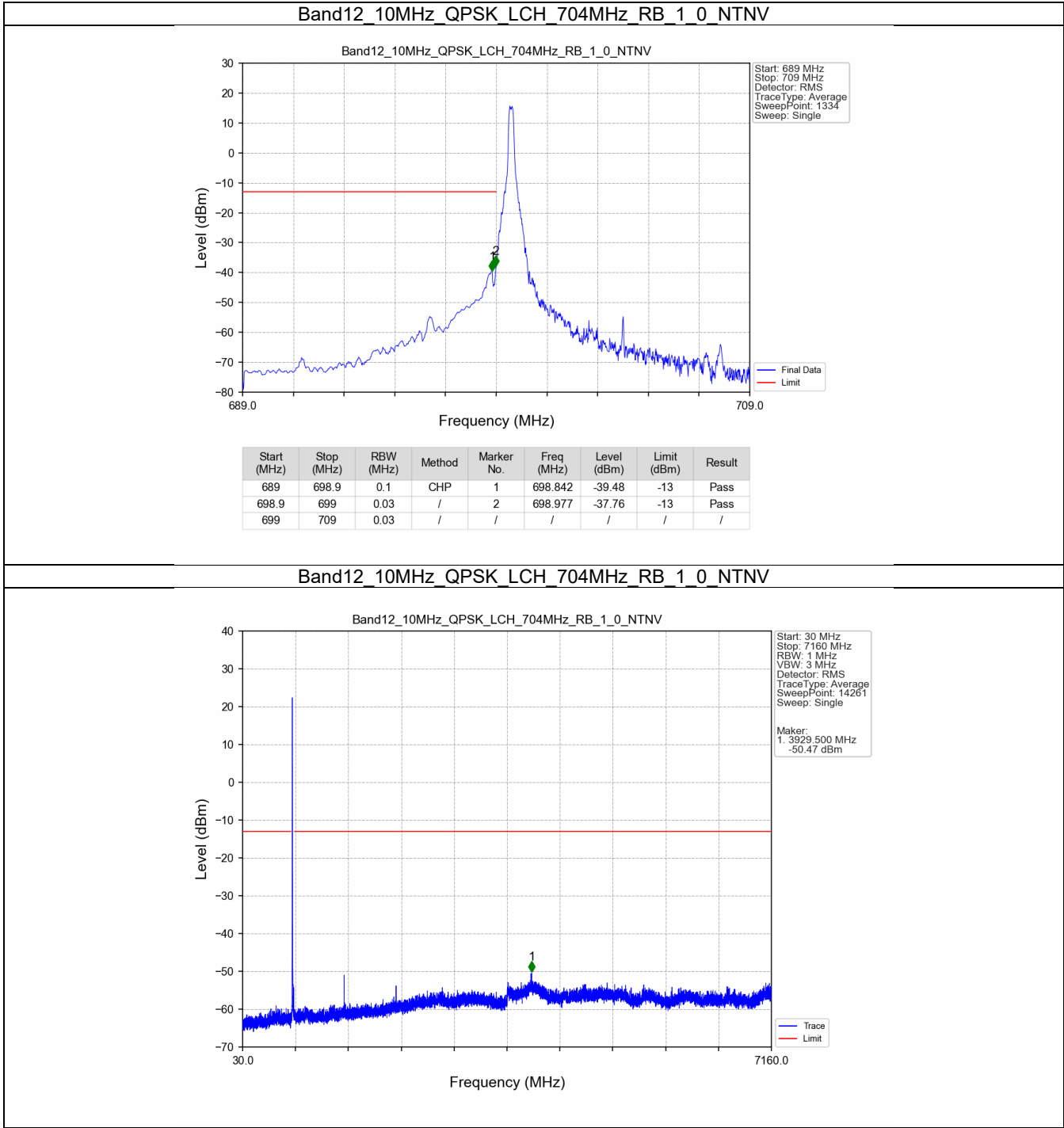
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-27.66	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.13	-13	Pass

Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTN

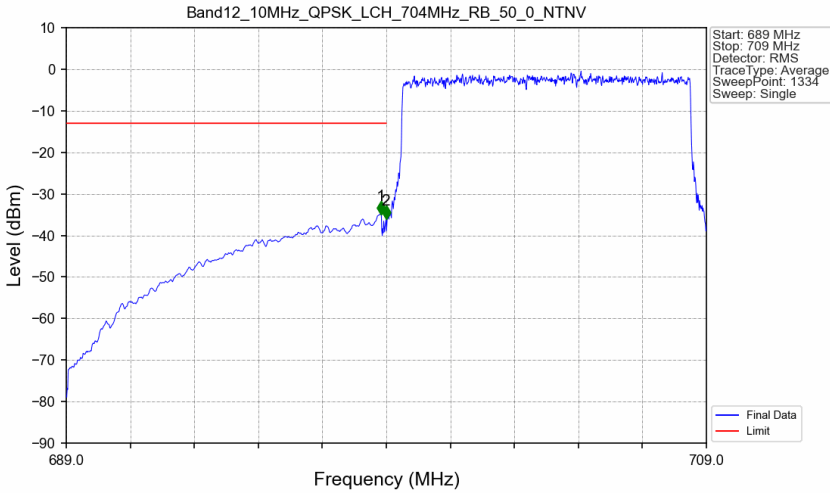


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-30.07	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.42	-13	Pass

5.2.4 B12_10MHz

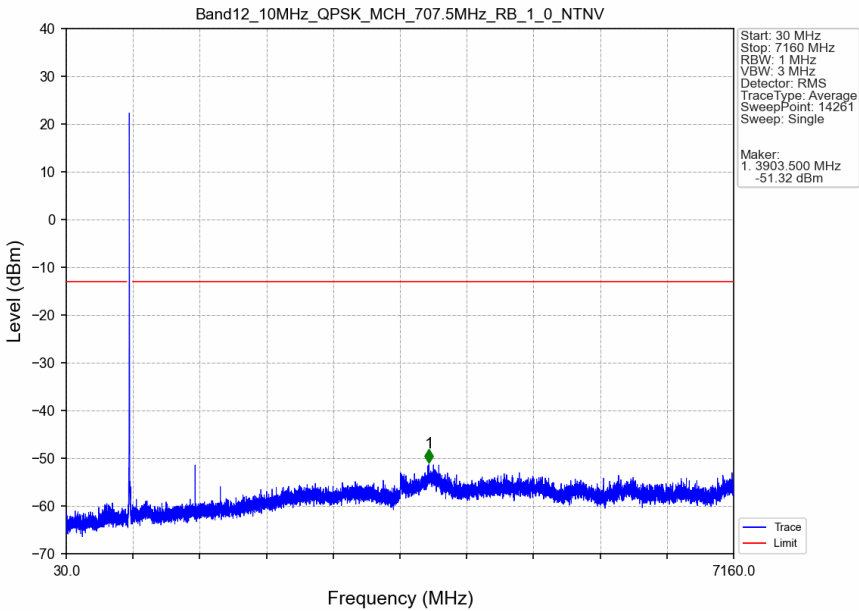


Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN

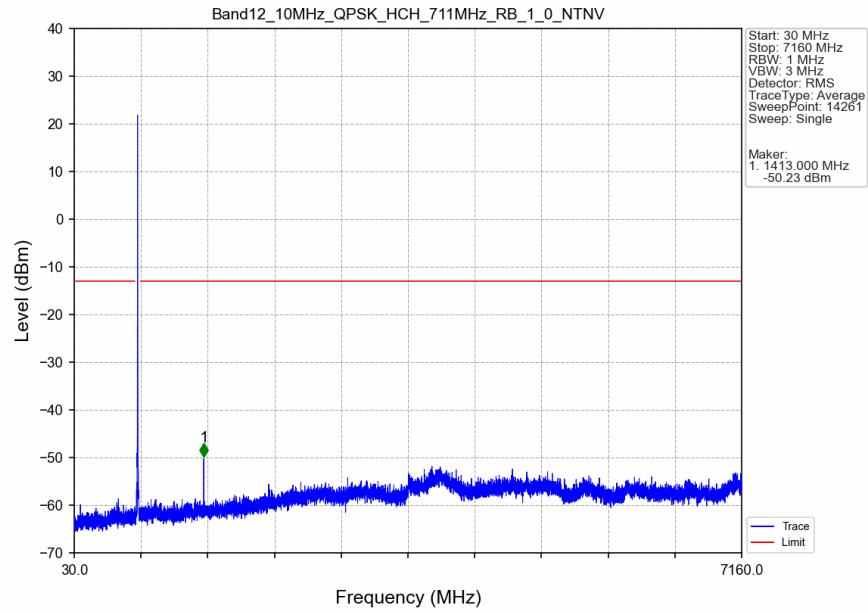


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.827	-34.89	-13	Pass
698.9	699	0.03	/	2	698.992	-35.99	-13	Pass
699	709	0.03	/	/	/	/	/	/

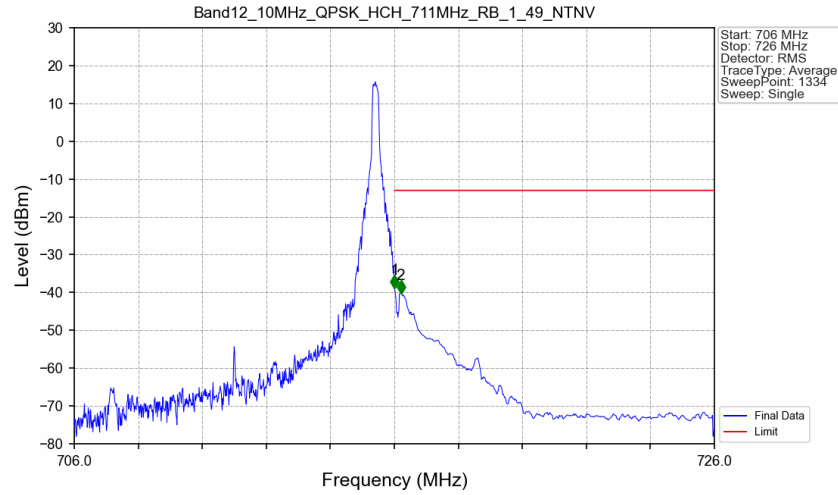
Band12 10MHz QPSK MCH 707.5MHz RB 1 0 NTN



Band12 10MHz QPSK HCH 711MHz RB 1 0 NTNV

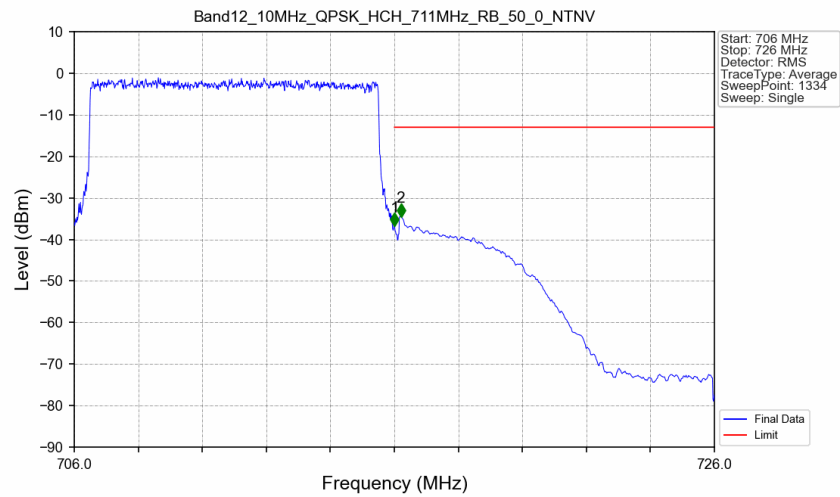


Band12 10MHz QPSK HCH 711MHz RB 1 49 NTNV



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	-38.80	-13	Pass
716.1	726	0.1	CHP	2	716.203	-40.21	-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	716.008	-36.75	-13	Pass
716.1	726	0.1	CHP	2	716.203	-34.48	-13	Pass