

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	23.93	-5.20	16.58	<=34.77	Pass
			2	23.97	-5.20	16.62	<=34.77	Pass
			5	24.00	-5.20	16.65	<=34.77	Pass
		3	0	24.02	-5.20	16.67	<=34.77	Pass
			2	24.05	-5.20	16.70	<=34.77	Pass
			3	24.03	-5.20	16.68	<=34.77	Pass
		6	0	23.02	-5.20	15.67	<=34.77	Pass
	707.5	1	0	23.55	-5.20	16.20	<=34.77	Pass
			2	23.64	-5.20	16.29	<=34.77	Pass
			5	23.60	-5.20	16.25	<=34.77	Pass
		3	0	23.64	-5.20	16.29	<=34.77	Pass
			2	23.64	-5.20	16.29	<=34.77	Pass
			3	23.60	-5.20	16.25	<=34.77	Pass
		6	0	22.69	-5.20	15.34	<=34.77	Pass
	715.3	1	0	23.55	-5.20	16.20	<=34.77	Pass
			2	23.75	-5.20	16.40	<=34.77	Pass
			5	23.46	-5.20	16.11	<=34.77	Pass
		3	0	23.50	-5.20	16.15	<=34.77	Pass
			2	23.47	-5.20	16.12	<=34.77	Pass
			3	23.37	-5.20	16.02	<=34.77	Pass
		6	0	22.65	-5.20	15.30	<=34.77	Pass
16QAM	699.7	1	0	23.01	-5.20	15.66	<=34.77	Pass
			2	23.04	-5.20	15.69	<=34.77	Pass
			5	23.09	-5.20	15.74	<=34.77	Pass
		3	0	23.06	-5.20	15.71	<=34.77	Pass
			2	23.05	-5.20	15.70	<=34.77	Pass
			3	23.06	-5.20	15.71	<=34.77	Pass
		6	0	22.07	-5.20	14.72	<=34.77	Pass
	707.5	1	0	22.82	-5.20	15.47	<=34.77	Pass
			2	22.87	-5.20	15.52	<=34.77	Pass
			5	22.68	-5.20	15.33	<=34.77	Pass
		3	0	22.69	-5.20	15.34	<=34.77	Pass
			2	22.47	-5.20	15.12	<=34.77	Pass
			3	22.72	-5.20	15.37	<=34.77	Pass
		6	0	21.88	-5.20	14.53	<=34.77	Pass
	715.3	1	0	22.70	-5.20	15.35	<=34.77	Pass
			2	22.82	-5.20	15.47	<=34.77	Pass
			5	22.60	-5.20	15.25	<=34.77	Pass
		3	0	22.55	-5.20	15.20	<=34.77	Pass
			2	22.72	-5.20	15.37	<=34.77	Pass
			3	22.62	-5.20	15.27	<=34.77	Pass
		6	0	21.70	-5.20	14.35	<=34.77	Pass
64QAM	699.7	1	0	22.53	-5.20	15.18	<=34.77	Pass
			2	22.56	-5.20	15.21	<=34.77	Pass
			5	22.52	-5.20	15.17	<=34.77	Pass
		3	0	22.39	-5.20	15.04	<=34.77	Pass
			2	22.38	-5.20	15.03	<=34.77	Pass
			3	22.39	-5.20	15.04	<=34.77	Pass
		6	0	21.11	-5.20	13.76	<=34.77	Pass

	707.5	1	0	21.78	-5.20	14.43	<=34.77	Pass
			2	21.55	-5.20	14.20	<=34.77	Pass
			5	21.63	-5.20	14.28	<=34.77	Pass
		3	0	21.85	-5.20	14.50	<=34.77	Pass
			2	21.89	-5.20	14.54	<=34.77	Pass
			3	21.90	-5.20	14.55	<=34.77	Pass
		6	0	20.61	-5.20	13.26	<=34.77	Pass
	715.3	1	0	21.90	-5.20	14.55	<=34.77	Pass
			2	21.84	-5.20	14.49	<=34.77	Pass
			5	21.78	-5.20	14.43	<=34.77	Pass
		3	0	21.70	-5.20	14.35	<=34.77	Pass
			2	21.68	-5.20	14.33	<=34.77	Pass
			3	21.76	-5.20	14.41	<=34.77	Pass
		6	0	20.57	-5.20	13.22	<=34.77	Pass
256QAM	699.7	1	0	19.35	-5.20	12.00	<=34.77	Pass
			2	19.37	-5.20	12.02	<=34.77	Pass
			5	19.34	-5.20	11.99	<=34.77	Pass
		3	0	19.04	-5.20	11.69	<=34.77	Pass
			2	19.05	-5.20	11.70	<=34.77	Pass
			3	19.04	-5.20	11.69	<=34.77	Pass
		6	0	19.03	-5.20	11.68	<=34.77	Pass
	707.5	1	0	18.84	-5.20	11.49	<=34.77	Pass
			2	19.00	-5.20	11.65	<=34.77	Pass
			5	18.86	-5.20	11.51	<=34.77	Pass
		3	0	18.80	-5.20	11.45	<=34.77	Pass
			2	18.86	-5.20	11.51	<=34.77	Pass
			3	18.86	-5.20	11.51	<=34.77	Pass
		6	0	18.65	-5.20	11.30	<=34.77	Pass
	715.3	1	0	18.86	-5.20	11.51	<=34.77	Pass
			2	18.81	-5.20	11.46	<=34.77	Pass
			5	18.78	-5.20	11.43	<=34.77	Pass
		3	0	18.77	-5.20	11.42	<=34.77	Pass
			2	18.70	-5.20	11.35	<=34.77	Pass
			3	18.76	-5.20	11.41	<=34.77	Pass
		6	0	18.59	-5.20	11.24	<=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	23.73	-5.20	16.38	<=34.77	Pass
			7	23.84	-5.20	16.49	<=34.77	Pass
			14	23.25	-5.20	15.90	<=34.77	Pass
		8	0	22.61	-5.20	15.26	<=34.77	Pass
			4	22.69	-5.20	15.34	<=34.77	Pass
			7	22.71	-5.20	15.36	<=34.77	Pass
		15	0	22.73	-5.20	15.38	<=34.77	Pass
	707.5	1	0	23.48	-5.20	16.13	<=34.77	Pass
			7	23.45	-5.20	16.10	<=34.77	Pass
			14	23.46	-5.20	16.11	<=34.77	Pass
		8	0	22.75	-5.20	15.40	<=34.77	Pass
			4	22.60	-5.20	15.25	<=34.77	Pass
			7	22.51	-5.20	15.16	<=34.77	Pass
		15	0	22.71	-5.20	15.36	<=34.77	Pass
	714.5	1	0	23.43	-5.20	16.08	<=34.77	Pass

		8	7	23.53	-5.20	16.18	<=34.77	Pass
			14	23.38	-5.20	16.03	<=34.77	Pass
			0	22.61	-5.20	15.26	<=34.77	Pass
			4	22.57	-5.20	15.22	<=34.77	Pass
			7	22.33	-5.20	14.98	<=34.77	Pass
		15	0	22.62	-5.20	15.27	<=34.77	Pass
16QAM	700.5	1	0	22.54	-5.20	15.19	<=34.77	Pass
			7	22.87	-5.20	15.52	<=34.77	Pass
			14	22.83	-5.20	15.48	<=34.77	Pass
		8	0	21.91	-5.20	14.56	<=34.77	Pass
			4	21.79	-5.20	14.44	<=34.77	Pass
			7	21.79	-5.20	14.44	<=34.77	Pass
		15	0	21.77	-5.20	14.42	<=34.77	Pass
	707.5	1	0	22.84	-5.20	15.49	<=34.77	Pass
			7	22.81	-5.20	15.46	<=34.77	Pass
			14	22.74	-5.20	15.39	<=34.77	Pass
		8	0	21.68	-5.20	14.33	<=34.77	Pass
			4	21.70	-5.20	14.35	<=34.77	Pass
			7	21.83	-5.20	14.48	<=34.77	Pass
		15	0	21.56	-5.20	14.21	<=34.77	Pass
	714.5	1	0	22.55	-5.20	15.20	<=34.77	Pass
			7	22.68	-5.20	15.33	<=34.77	Pass
			14	22.72	-5.20	15.37	<=34.77	Pass
		8	0	21.62	-5.20	14.27	<=34.77	Pass
			4	21.59	-5.20	14.24	<=34.77	Pass
			7	21.86	-5.20	14.51	<=34.77	Pass
		15	0	21.73	-5.20	14.38	<=34.77	Pass
64QAM	700.5	1	0	21.56	-5.20	14.21	<=34.77	Pass
			7	21.66	-5.20	14.31	<=34.77	Pass
			14	21.49	-5.20	14.14	<=34.77	Pass
		8	0	20.94	-5.20	13.59	<=34.77	Pass
			4	20.83	-5.20	13.48	<=34.77	Pass
			7	20.83	-5.20	13.48	<=34.77	Pass
		15	0	20.78	-5.20	13.43	<=34.77	Pass
	707.5	1	0	21.62	-5.20	14.27	<=34.77	Pass
			7	21.91	-5.20	14.56	<=34.77	Pass
			14	21.64	-5.20	14.29	<=34.77	Pass
		8	0	20.86	-5.20	13.51	<=34.77	Pass
			4	20.86	-5.20	13.51	<=34.77	Pass
			7	20.83	-5.20	13.48	<=34.77	Pass
		15	0	20.80	-5.20	13.45	<=34.77	Pass
	714.5	1	0	21.93	-5.20	14.58	<=34.77	Pass
			7	21.89	-5.20	14.54	<=34.77	Pass
			14	21.49	-5.20	14.14	<=34.77	Pass
		8	0	20.67	-5.20	13.32	<=34.77	Pass
			4	20.77	-5.20	13.42	<=34.77	Pass
			7	20.79	-5.20	13.44	<=34.77	Pass
		15	0	20.65	-5.20	13.30	<=34.77	Pass
256QAM	700.5	1	0	18.56	-5.20	11.21	<=34.77	Pass
			7	18.90	-5.20	11.55	<=34.77	Pass
			14	18.74	-5.20	11.39	<=34.77	Pass
		8	0	18.83	-5.20	11.48	<=34.77	Pass
			4	18.80	-5.20	11.45	<=34.77	Pass
			7	18.78	-5.20	11.43	<=34.77	Pass
		15	0	18.74	-5.20	11.39	<=34.77	Pass
	707.5	1	0	18.68	-5.20	11.33	<=34.77	Pass
			7	18.90	-5.20	11.55	<=34.77	Pass
			14	18.84	-5.20	11.49	<=34.77	Pass
		8	0	18.83	-5.20	11.48	<=34.77	Pass
			0	18.83	-5.20	11.48	<=34.77	Pass

		15	4	18.81	-5.20	11.46	<=34.77	Pass
			7	18.42	-5.20	11.07	<=34.77	Pass
			0	18.80	-5.20	11.45	<=34.77	Pass
	714.5	1	0	18.61	-5.20	11.26	<=34.77	Pass
			7	18.73	-5.20	11.38	<=34.77	Pass
			14	18.78	-5.20	11.43	<=34.77	Pass
		8	0	18.79	-5.20	11.44	<=34.77	Pass
			4	18.65	-5.20	11.30	<=34.77	Pass
			7	18.67	-5.20	11.32	<=34.77	Pass
		15	0	18.70	-5.20	11.35	<=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	23.85	-5.20	16.50	<=34.77	Pass
			13	23.66	-5.20	16.31	<=34.77	Pass
			24	23.68	-5.20	16.33	<=34.77	Pass
		12	0	22.87	-5.20	15.52	<=34.77	Pass
			6	22.80	-5.20	15.45	<=34.77	Pass
			13	22.77	-5.20	15.42	<=34.77	Pass
		25	0	22.85	-5.20	15.50	<=34.77	Pass
	707.5	1	0	23.79	-5.20	16.44	<=34.77	Pass
			13	23.46	-5.20	16.11	<=34.77	Pass
			24	23.78	-5.20	16.43	<=34.77	Pass
		12	0	22.82	-5.20	15.47	<=34.77	Pass
			6	22.79	-5.20	15.44	<=34.77	Pass
			13	22.79	-5.20	15.44	<=34.77	Pass
		25	0	22.82	-5.20	15.47	<=34.77	Pass
	713.5	1	0	23.74	-5.20	16.39	<=34.77	Pass
			13	23.57	-5.20	16.22	<=34.77	Pass
			24	23.47	-5.20	16.12	<=34.77	Pass
		12	0	22.78	-5.20	15.43	<=34.77	Pass
			6	22.75	-5.20	15.40	<=34.77	Pass
			13	22.77	-5.20	15.42	<=34.77	Pass
		25	0	22.77	-5.20	15.42	<=34.77	Pass
16QAM	701.5	1	0	22.85	-5.20	15.50	<=34.77	Pass
			13	22.86	-5.20	15.51	<=34.77	Pass
			24	22.88	-5.20	15.53	<=34.77	Pass
		12	0	21.94	-5.20	14.59	<=34.77	Pass
			6	21.86	-5.20	14.51	<=34.77	Pass
			13	21.80	-5.20	14.45	<=34.77	Pass
		25	0	21.87	-5.20	14.52	<=34.77	Pass
	707.5	1	0	23.06	-5.20	15.71	<=34.77	Pass
			13	22.95	-5.20	15.60	<=34.77	Pass
			24	22.38	-5.20	15.03	<=34.77	Pass
		12	0	21.86	-5.20	14.51	<=34.77	Pass
			6	21.91	-5.20	14.56	<=34.77	Pass
			13	21.81	-5.20	14.46	<=34.77	Pass
		25	0	21.89	-5.20	14.54	<=34.77	Pass
	713.5	1	0	23.12	-5.20	15.77	<=34.77	Pass
			13	22.69	-5.20	15.34	<=34.77	Pass
			24	22.68	-5.20	15.33	<=34.77	Pass
		12	0	21.67	-5.20	14.32	<=34.77	Pass
			6	21.81	-5.20	14.46	<=34.77	Pass

			13	21.77	-5.20	14.42	<=34.77	Pass		
		25	0	21.71	-5.20	14.36	<=34.77	Pass		
64QAM	701.5	1	0	22.04	-5.20	14.69	<=34.77	Pass		
			13	21.97	-5.20	14.62	<=34.77	Pass		
			24	21.99	-5.20	14.64	<=34.77	Pass		
			0	20.94	-5.20	13.59	<=34.77	Pass		
		12	6	20.79	-5.20	13.44	<=34.77	Pass		
			13	20.87	-5.20	13.52	<=34.77	Pass		
			25	0	20.88	-5.20	13.53	<=34.77	Pass	
		707.5	1	0	21.66	-5.20	14.31	<=34.77	Pass	
				13	21.64	-5.20	14.29	<=34.77	Pass	
	24			21.57	-5.20	14.22	<=34.77	Pass		
	0			20.88	-5.20	13.53	<=34.77	Pass		
	12		6	20.89	-5.20	13.54	<=34.77	Pass		
			13	20.84	-5.20	13.49	<=34.77	Pass		
			25	0	20.85	-5.20	13.50	<=34.77	Pass	
	713.5		1	0	21.88	-5.20	14.53	<=34.77	Pass	
				13	21.88	-5.20	14.53	<=34.77	Pass	
		24		21.82	-5.20	14.47	<=34.77	Pass		
		0		20.70	-5.20	13.35	<=34.77	Pass		
		12	6	20.65	-5.20	13.30	<=34.77	Pass		
			13	20.76	-5.20	13.41	<=34.77	Pass		
			25	0	20.81	-5.20	13.46	<=34.77	Pass	
		256QAM	701.5	1	0	19.00	-5.20	11.65	<=34.77	Pass
					13	18.88	-5.20	11.53	<=34.77	Pass
24	18.80				-5.20	11.45	<=34.77	Pass		
12	0			18.87	-5.20	11.52	<=34.77	Pass		
	6			18.85	-5.20	11.50	<=34.77	Pass		
	13			18.83	-5.20	11.48	<=34.77	Pass		
25	0			18.81	-5.20	11.46	<=34.77	Pass		
707.5	1		0	19.01	-5.20	11.66	<=34.77	Pass		
			13	18.93	-5.20	11.58	<=34.77	Pass		
			24	18.84	-5.20	11.49	<=34.77	Pass		
	12		0	18.80	-5.20	11.45	<=34.77	Pass		
			6	18.80	-5.20	11.45	<=34.77	Pass		
			13	18.79	-5.20	11.44	<=34.77	Pass		
	25		0	18.83	-5.20	11.48	<=34.77	Pass		
713.5	1		0	18.94	-5.20	11.59	<=34.77	Pass		
			13	18.86	-5.20	11.51	<=34.77	Pass		
			24	18.79	-5.20	11.44	<=34.77	Pass		
	12		0	18.81	-5.20	11.46	<=34.77	Pass		
			6	18.73	-5.20	11.38	<=34.77	Pass		
			13	18.74	-5.20	11.39	<=34.77	Pass		
	25		0	18.75	-5.20	11.40	<=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	23.74	-5.20	16.39	<=34.77	Pass
			25	23.61	-5.20	16.26	<=34.77	Pass
			49	23.69	-5.20	16.34	<=34.77	Pass
		25	0	22.45	-5.20	15.10	<=34.77	Pass
			13	22.47	-5.20	15.12	<=34.77	Pass
			25	22.72	-5.20	15.37	<=34.77	Pass

		50	0	22.56	-5.20	15.21	<=34.77	Pass	
		707.5	1	0	23.73	-5.20	16.38	<=34.77	Pass
				25	23.72	-5.20	16.37	<=34.77	Pass
				49	23.75	-5.20	16.40	<=34.77	Pass
				0	22.81	-5.20	15.46	<=34.77	Pass
			25	13	22.76	-5.20	15.41	<=34.77	Pass
				25	22.79	-5.20	15.44	<=34.77	Pass
		50	0	22.79	-5.20	15.44	<=34.77	Pass	
		711	1	0	23.83	-5.20	16.48	<=34.77	Pass
				25	23.80	-5.20	16.45	<=34.77	Pass
				49	23.48	-5.20	16.13	<=34.77	Pass
			25	0	22.80	-5.20	15.45	<=34.77	Pass
				13	22.75	-5.20	15.40	<=34.77	Pass
				25	22.76	-5.20	15.41	<=34.77	Pass
			50	0	22.82	-5.20	15.47	<=34.77	Pass
			16QAM	704	1	0	22.99	-5.20	15.64
25	22.86	-5.20				15.51	<=34.77	Pass	
49	22.90	-5.20				15.55	<=34.77	Pass	
25	0	21.86			-5.20	14.51	<=34.77	Pass	
	13	21.83			-5.20	14.48	<=34.77	Pass	
	25	21.85			-5.20	14.50	<=34.77	Pass	
50	0	21.82			-5.20	14.47	<=34.77	Pass	
707.5	1	0		23.04	-5.20	15.69	<=34.77	Pass	
		25		23.01	-5.20	15.66	<=34.77	Pass	
		49		22.88	-5.20	15.53	<=34.77	Pass	
	25	0		21.86	-5.20	14.51	<=34.77	Pass	
		13		21.74	-5.20	14.39	<=34.77	Pass	
		25		21.80	-5.20	14.45	<=34.77	Pass	
	50	0		21.82	-5.20	14.47	<=34.77	Pass	
711	1	0		22.49	-5.20	15.14	<=34.77	Pass	
		25		22.72	-5.20	15.37	<=34.77	Pass	
		49		22.66	-5.20	15.31	<=34.77	Pass	
	25	0		21.84	-5.20	14.49	<=34.77	Pass	
		13		21.75	-5.20	14.40	<=34.77	Pass	
		25		21.69	-5.20	14.34	<=34.77	Pass	
	50	0		21.81	-5.20	14.46	<=34.77	Pass	
64QAM	704	1		0	21.64	-5.20	14.29	<=34.77	Pass
				25	21.93	-5.20	14.58	<=34.77	Pass
				49	21.86	-5.20	14.51	<=34.77	Pass
		25	0	20.86	-5.20	13.51	<=34.77	Pass	
			13	20.79	-5.20	13.44	<=34.77	Pass	
			25	20.84	-5.20	13.49	<=34.77	Pass	
		50	0	20.83	-5.20	13.48	<=34.77	Pass	
	707.5	1	0	21.95	-5.20	14.60	<=34.77	Pass	
			25	21.22	-5.20	13.87	<=34.77	Pass	
			49	21.96	-5.20	14.61	<=34.77	Pass	
		25	0	20.83	-5.20	13.48	<=34.77	Pass	
			13	20.84	-5.20	13.49	<=34.77	Pass	
			25	20.81	-5.20	13.46	<=34.77	Pass	
		50	0	20.80	-5.20	13.45	<=34.77	Pass	
	711	1	0	21.72	-5.20	14.37	<=34.77	Pass	
			25	21.67	-5.20	14.32	<=34.77	Pass	
			49	21.67	-5.20	14.32	<=34.77	Pass	
		25	0	20.82	-5.20	13.47	<=34.77	Pass	
			13	20.76	-5.20	13.41	<=34.77	Pass	
			25	20.74	-5.20	13.39	<=34.77	Pass	
		50	0	20.76	-5.20	13.41	<=34.77	Pass	
	256QAM	704	1	0	18.80	-5.20	11.45	<=34.77	Pass
				25	18.90	-5.20	11.55	<=34.77	Pass

			49	18.94	-5.20	11.59	<=34.77	Pass
		25	0	18.79	-5.20	11.44	<=34.77	Pass
			13	18.76	-5.20	11.41	<=34.77	Pass
			25	18.80	-5.20	11.45	<=34.77	Pass
		50	0	18.83	-5.20	11.48	<=34.77	Pass
	707.5	1	0	18.83	-5.20	11.48	<=34.77	Pass
			25	18.73	-5.20	11.38	<=34.77	Pass
			49	18.82	-5.20	11.47	<=34.77	Pass
		25	0	18.79	-5.20	11.44	<=34.77	Pass
			13	18.80	-5.20	11.45	<=34.77	Pass
			25	18.78	-5.20	11.43	<=34.77	Pass
		50	0	18.83	-5.20	11.48	<=34.77	Pass
		711	1	0	18.91	-5.20	11.56	<=34.77
	25			18.60	-5.20	11.25	<=34.77	Pass
	49			18.86	-5.20	11.51	<=34.77	Pass
	25		0	18.79	-5.20	11.44	<=34.77	Pass
			13	18.75	-5.20	11.40	<=34.77	Pass
			25	18.70	-5.20	11.35	<=34.77	Pass
	50		0	18.79	-5.20	11.44	<=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	-1.600	-0.0023	-2.5 to 2.5	Pass
					NV	0.500	0.0007	-2.5 to 2.5	Pass
					HV	-3.700	-0.0052	-2.5 to 2.5	Pass
				-30	NV	-3.500	-0.0049	-2.5 to 2.5	Pass
				-20	NV	-4.300	-0.0061	-2.5 to 2.5	Pass
				-10	NV	-1.300	-0.0018	-2.5 to 2.5	Pass
				0	NV	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	NV	-3.700	-0.0052	-2.5 to 2.5	Pass
				30	NV	-5.200	-0.0073	-2.5 to 2.5	Pass
				40	NV	-1.200	-0.0017	-2.5 to 2.5	Pass
				50	NV	-6.000	-0.0085	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

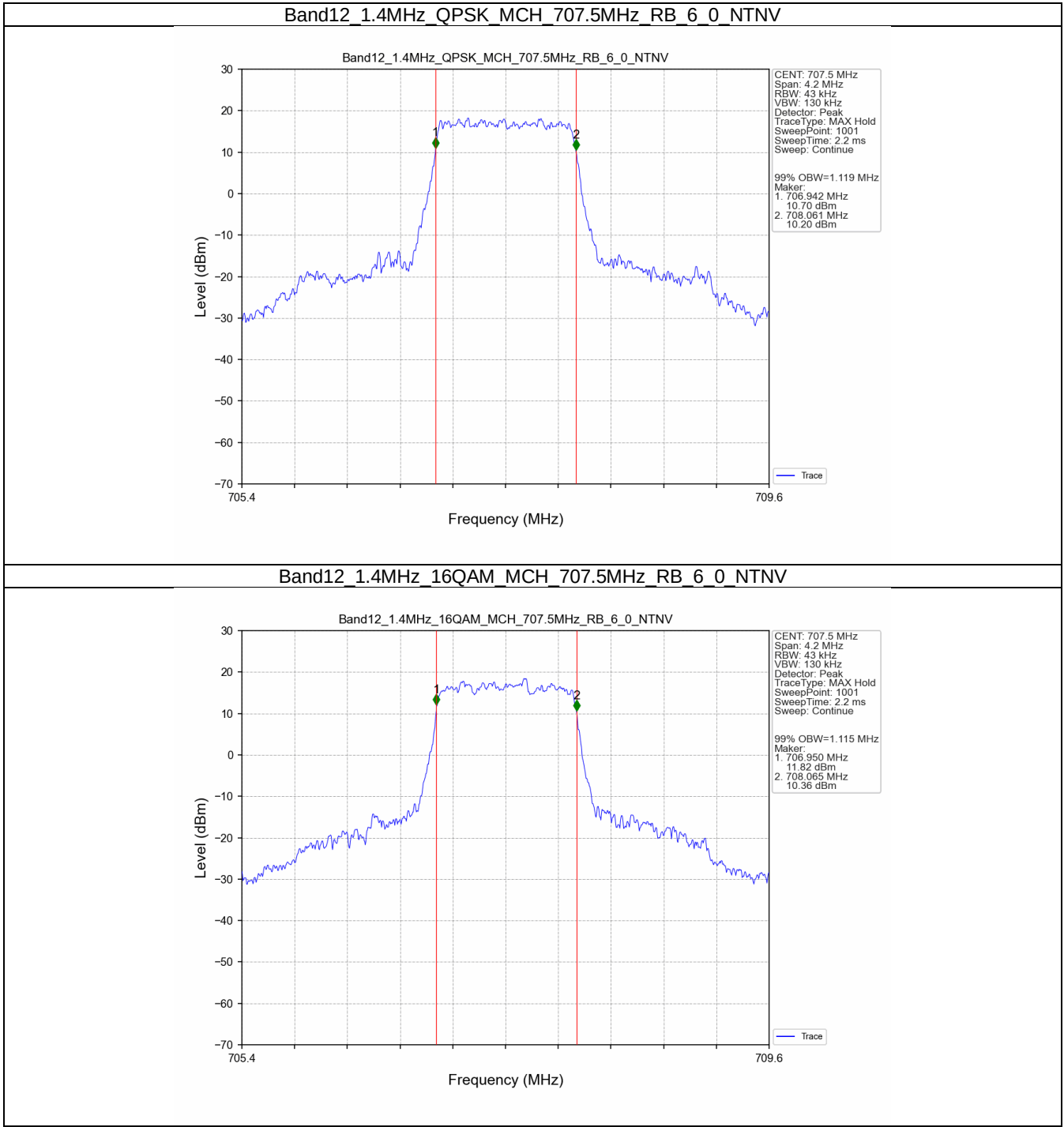
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.119	/	Pass
	16QAM	707.5	6	0	1.115	/	Pass
	64QAM	707.5	6	0	1.118	/	Pass
	256QAM	707.5	6	0	1.107	/	Pass
3	QPSK	707.5	15	0	2.724	/	Pass
	16QAM	707.5	15	0	2.724	/	Pass
	64QAM	707.5	15	0	2.718	/	Pass
	256QAM	707.5	15	0	2.732	/	Pass
5	QPSK	707.5	25	0	4.532	/	Pass
	16QAM	707.5	25	0	4.525	/	Pass
	64QAM	707.5	25	0	4.544	/	Pass
	256QAM	707.5	25	0	4.517	/	Pass
10	QPSK	707.5	50	0	9.041	/	Pass
	16QAM	707.5	50	0	9.023	/	Pass
	64QAM	707.5	50	0	9.029	/	Pass
	256QAM	707.5	50	0	9.005	/	Pass

3.1.2 Band12_XDB

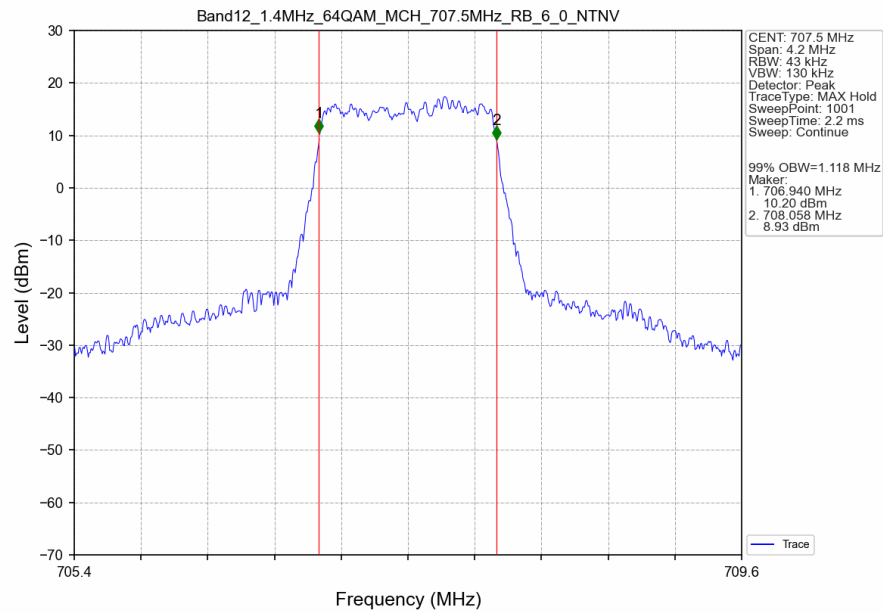
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.332	/	Pass
	16QAM	707.5	6	0	1.327	/	Pass
	64QAM	707.5	6	0	1.313	/	Pass
	256QAM	707.5	6	0	1.327	/	Pass
3	QPSK	707.5	15	0	3.009	/	Pass
	16QAM	707.5	15	0	3.010	/	Pass
	64QAM	707.5	15	0	3.016	/	Pass
	256QAM	707.5	15	0	3.006	/	Pass
5	QPSK	707.5	25	0	5.028	/	Pass
	16QAM	707.5	25	0	5.031	/	Pass
	64QAM	707.5	25	0	5.061	/	Pass
	256QAM	707.5	25	0	4.999	/	Pass
10	QPSK	707.5	50	0	9.930	/	Pass
	16QAM	707.5	50	0	9.887	/	Pass
	64QAM	707.5	50	0	9.959	/	Pass
	256QAM	707.5	50	0	9.903	/	Pass

3.2 Test Graph

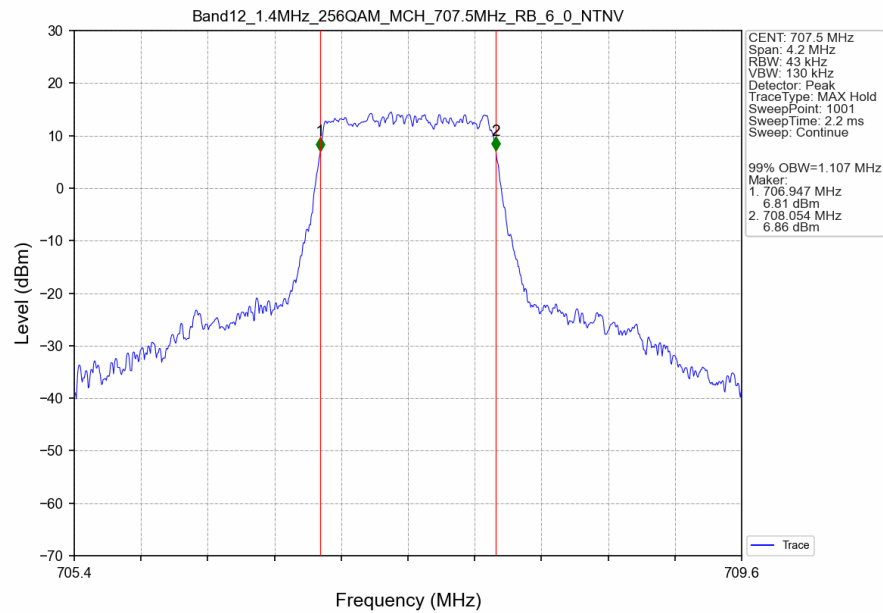
3.2.1 Band12_OBW



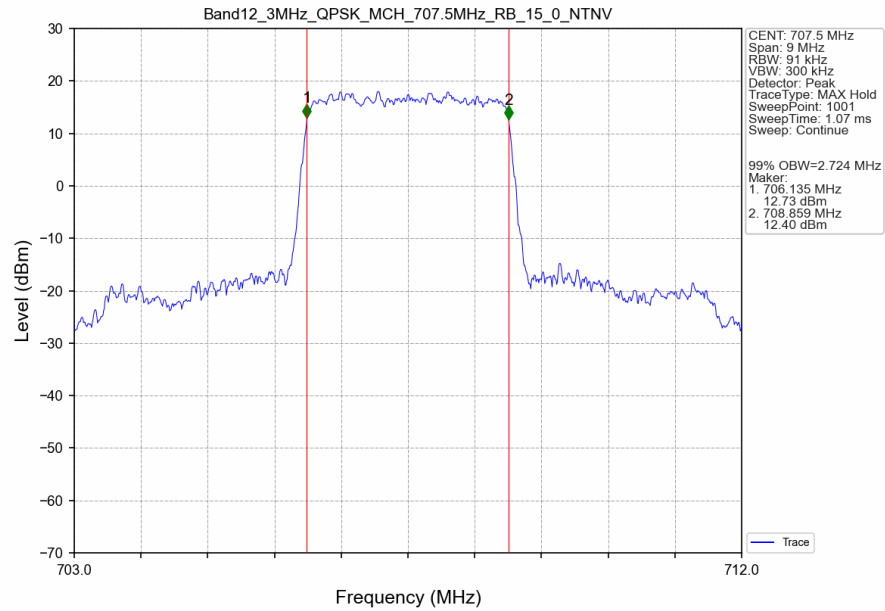
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV



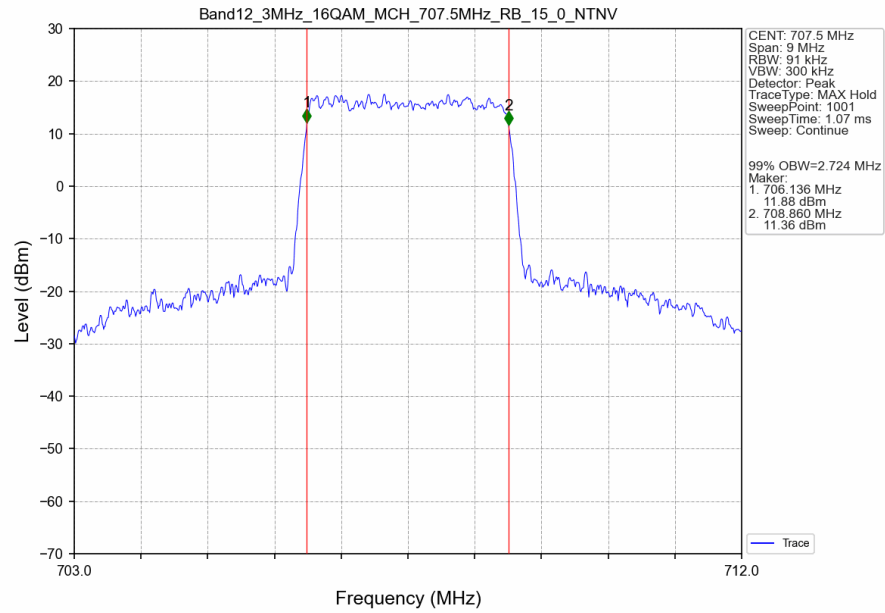
Band12 1.4MHz 256QAM MCH 707.5MHz RB 6 0 NTNV



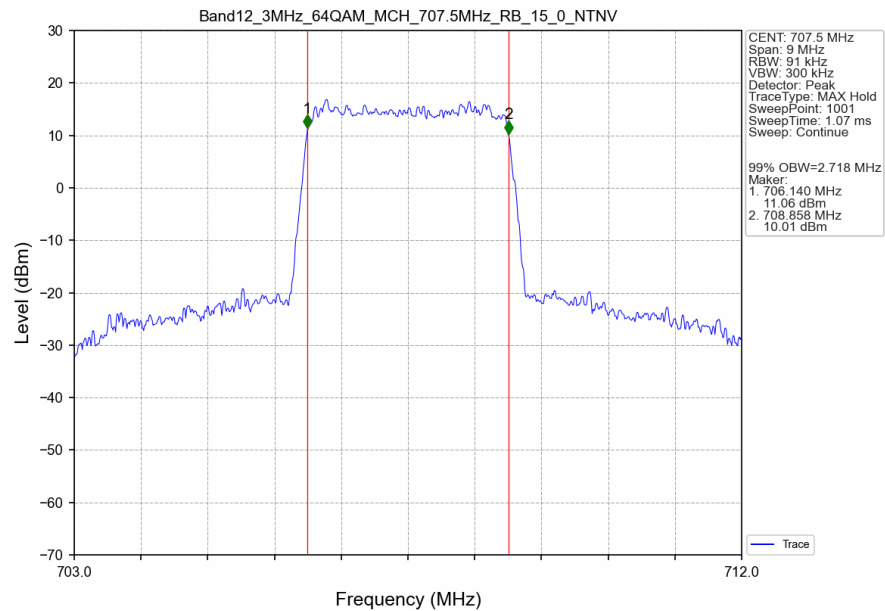
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTV



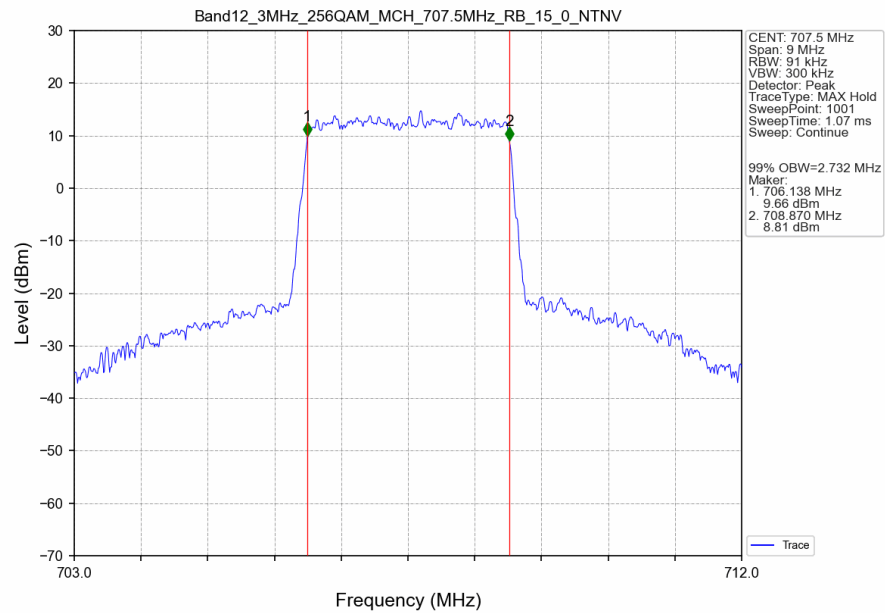
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTV



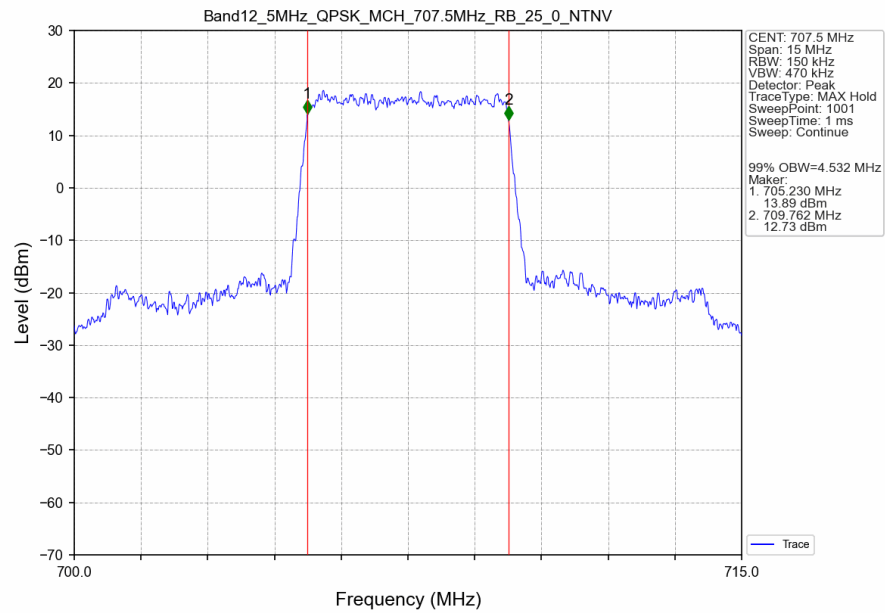
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTV



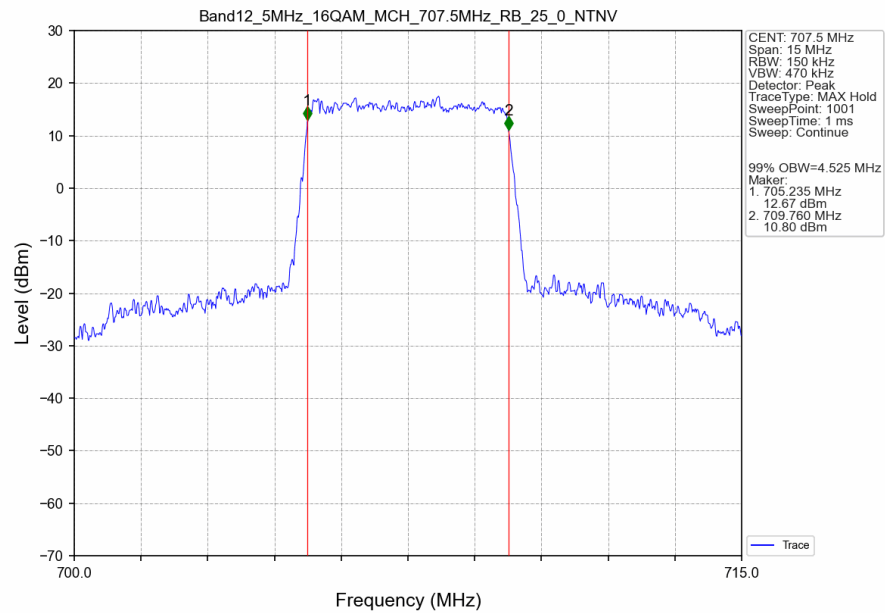
Band12 3MHz 256QAM MCH 707.5MHz RB 15 0 NTV



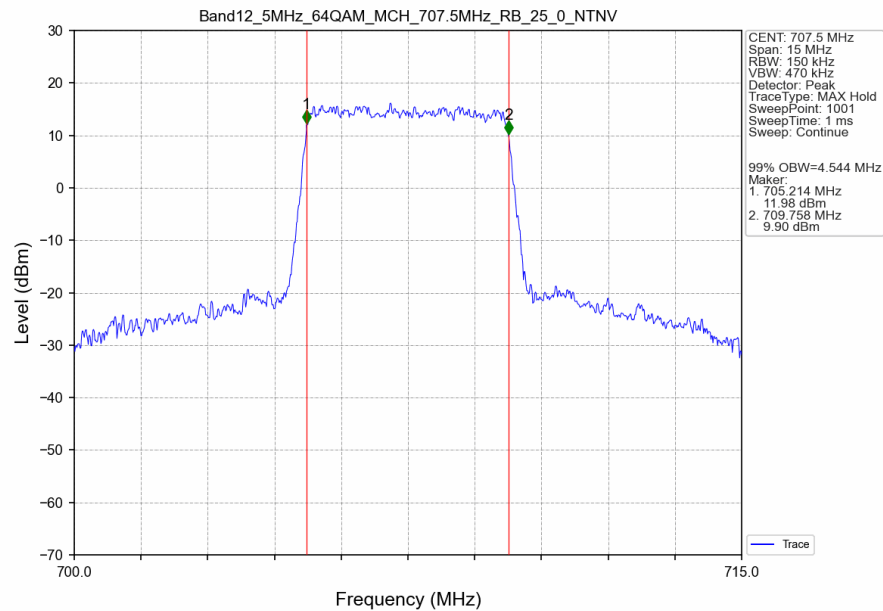
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTV



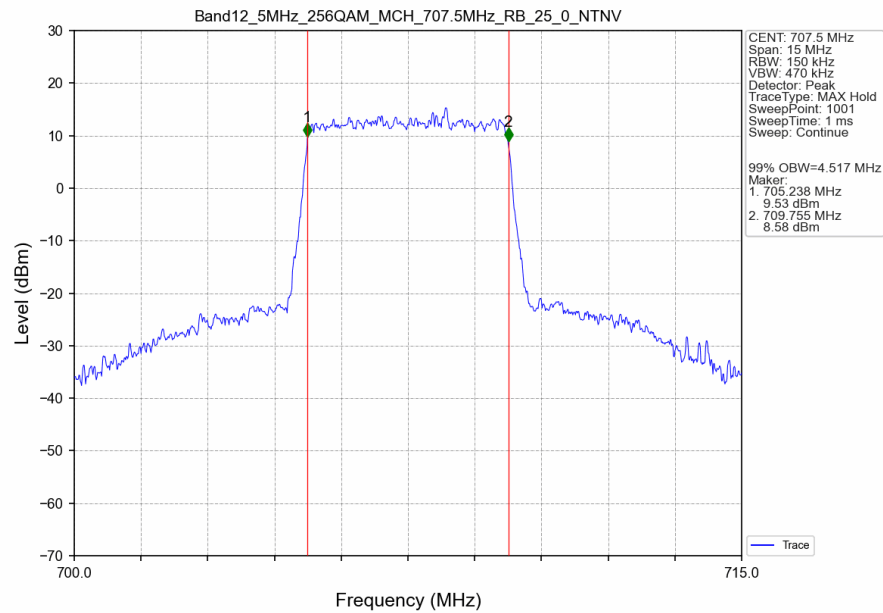
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTV



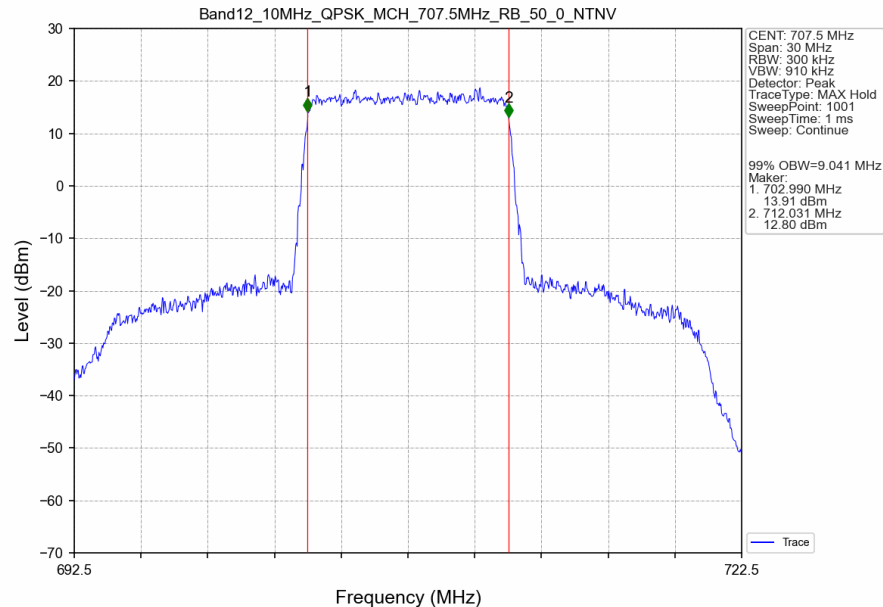
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTV



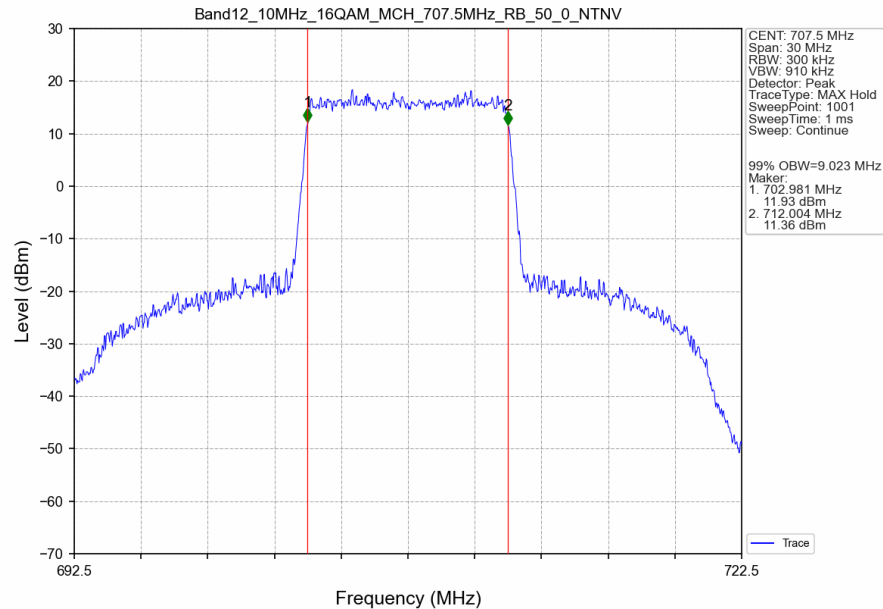
Band12 5MHz 256QAM MCH 707.5MHz RB 25 0 NTV



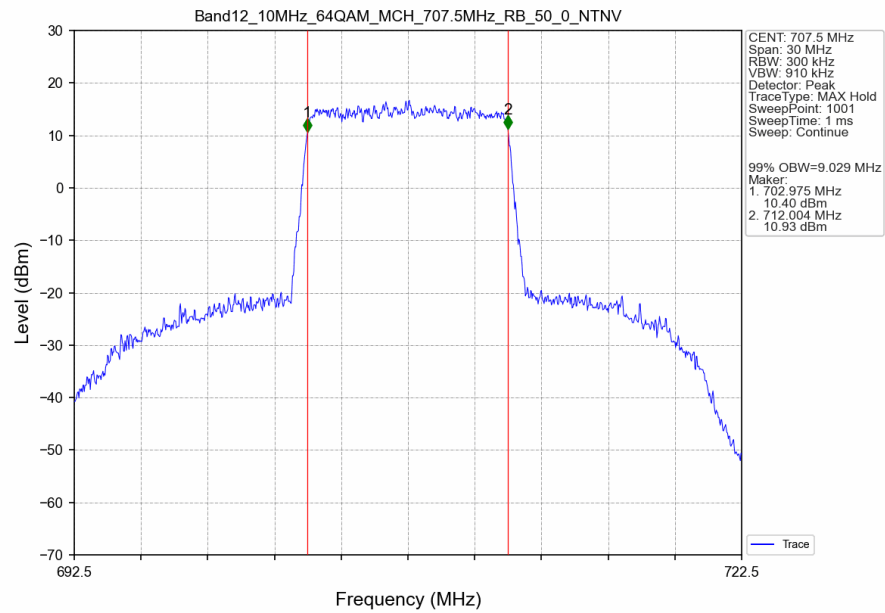
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTV



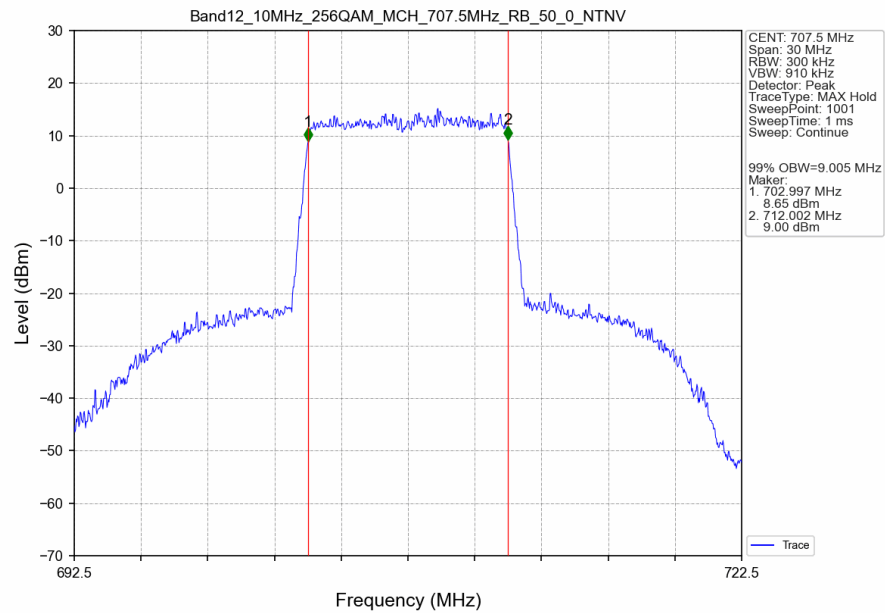
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTV



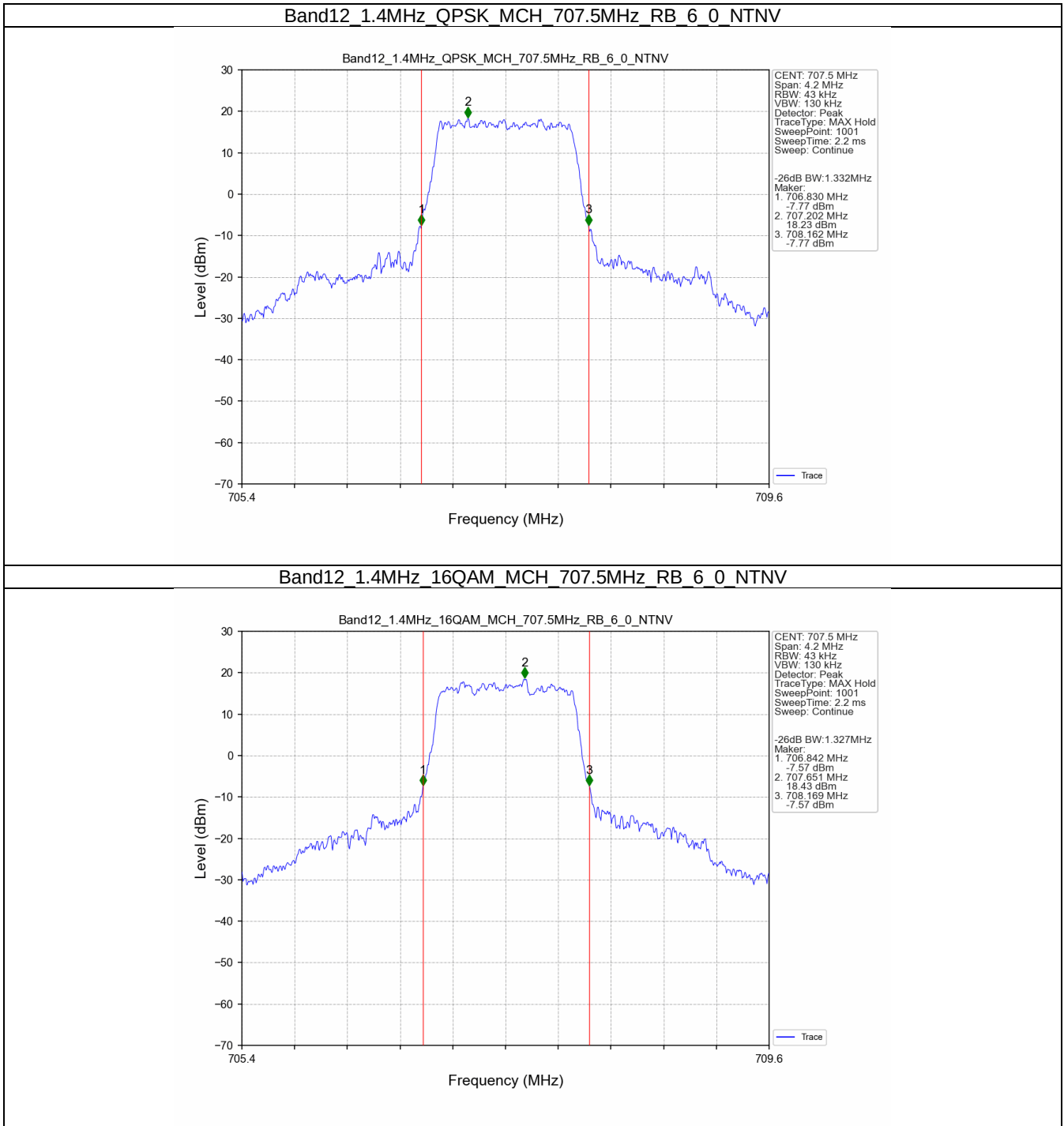
Band12 10MHz 64QAM MCH 707.5MHz RB 50 0 NTN



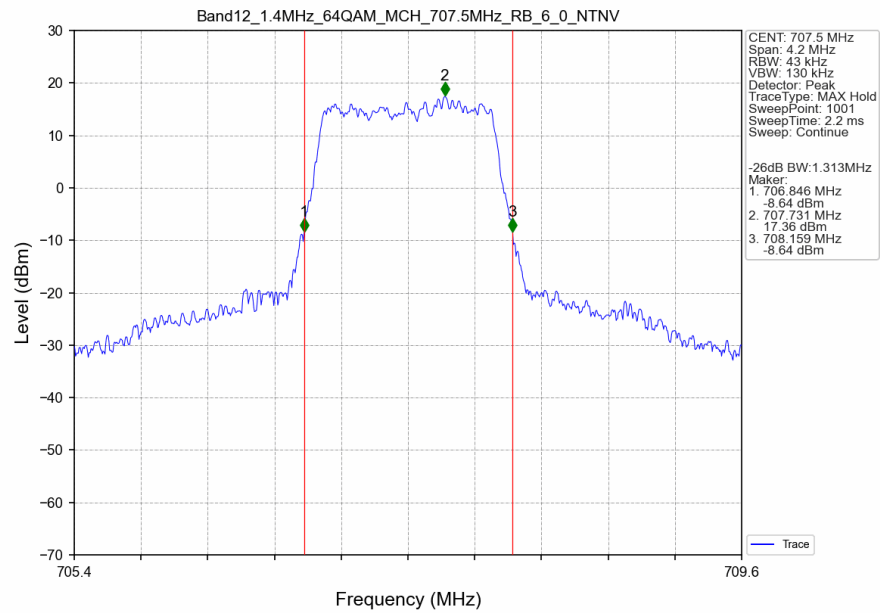
Band12 10MHz 256QAM MCH 707.5MHz RB 50 0 NTN



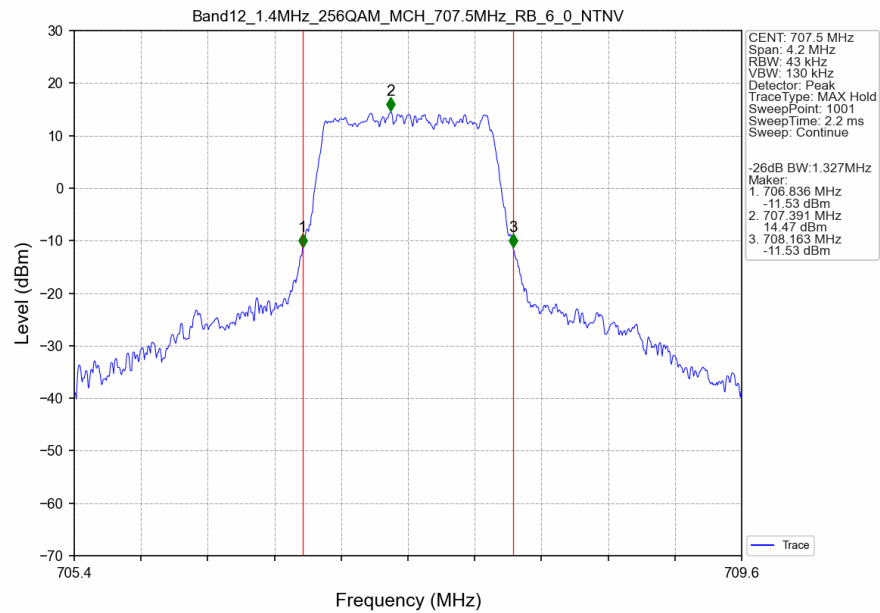
3.2.2 Band12_XDB



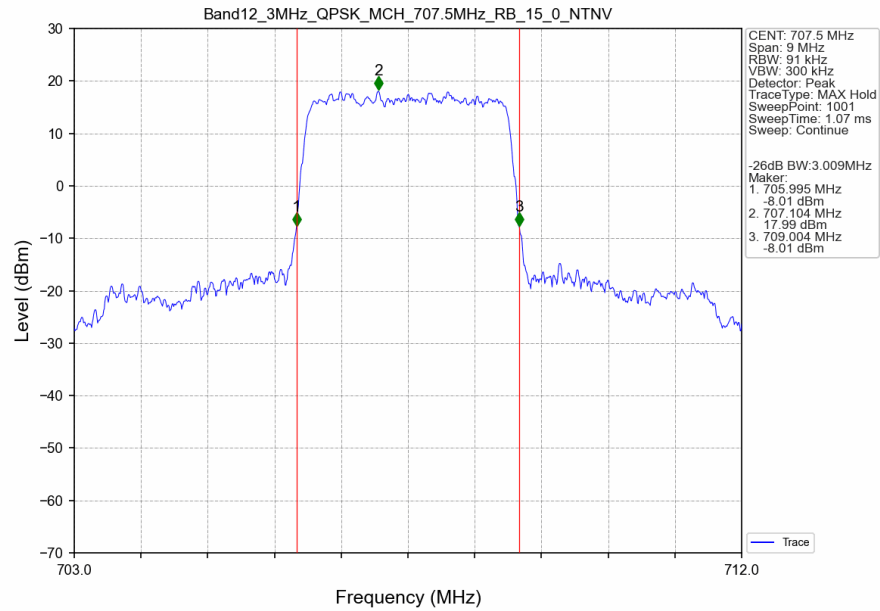
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTV



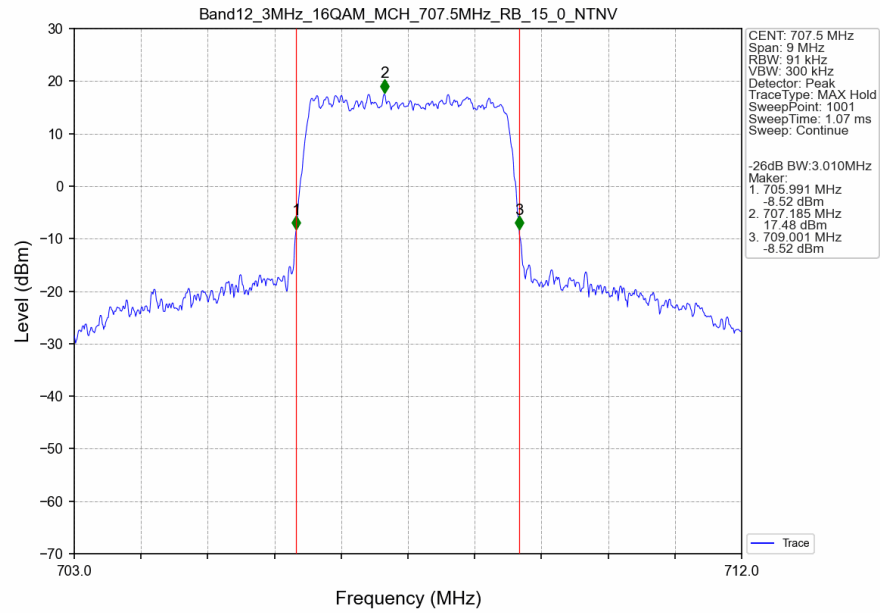
Band12 1.4MHz 256QAM MCH 707.5MHz RB 6 0 NTV



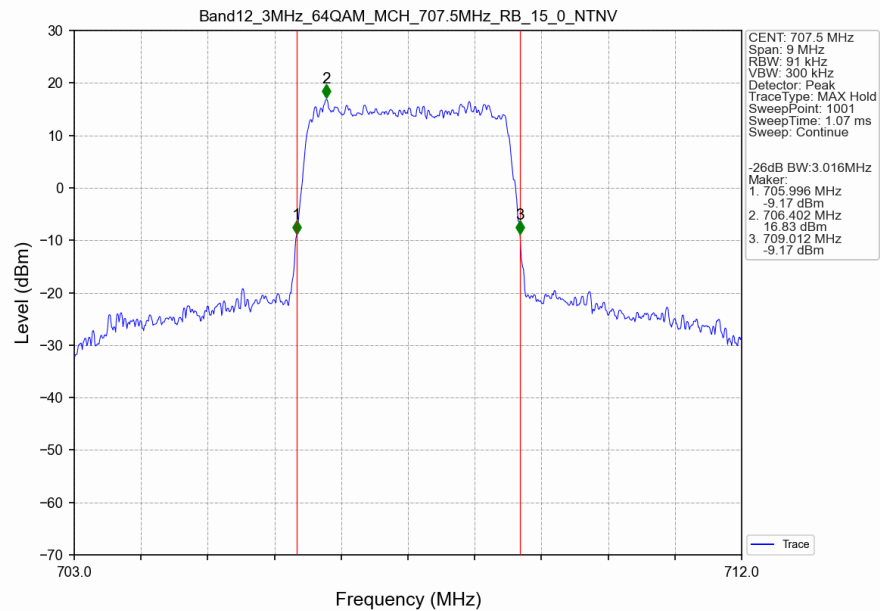
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTN



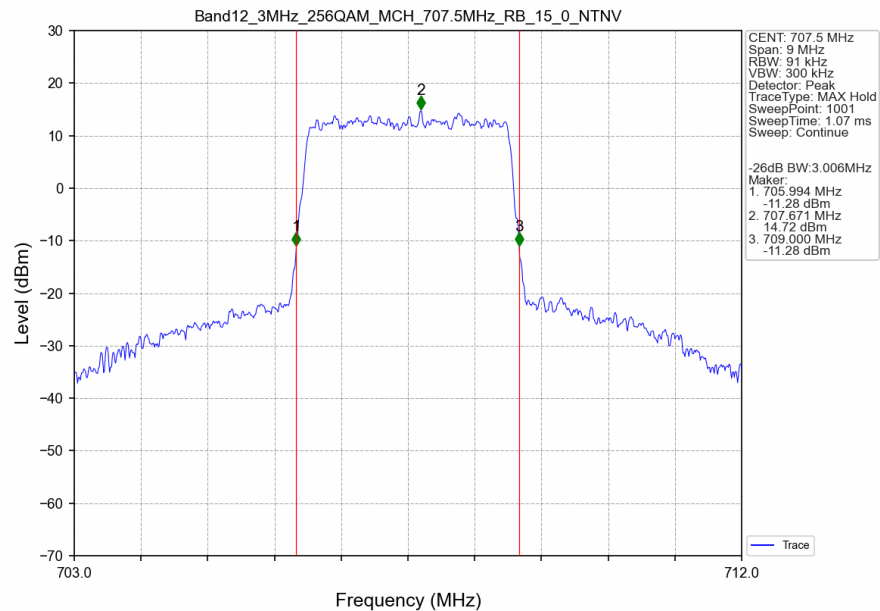
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTN



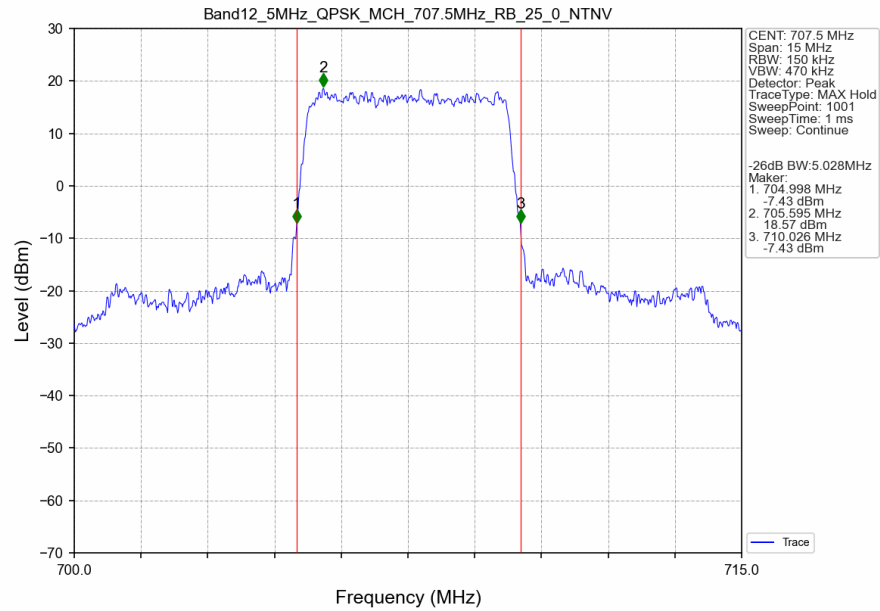
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTV



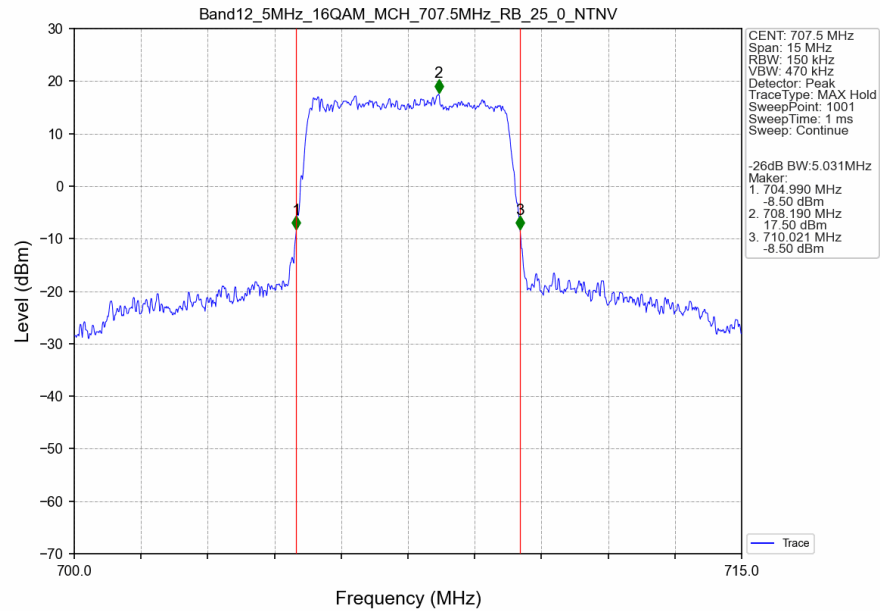
Band12 3MHz 256QAM MCH 707.5MHz RB 15 0 NTV



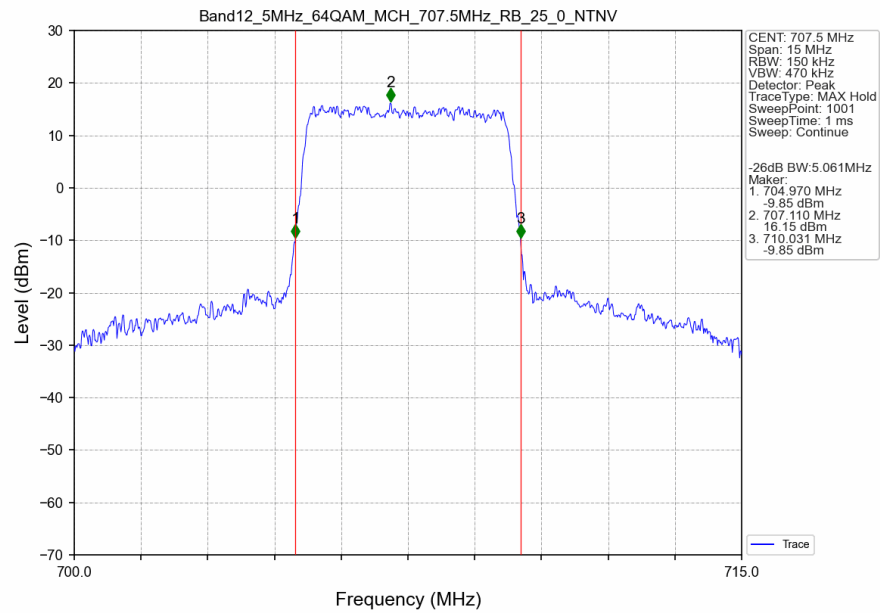
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



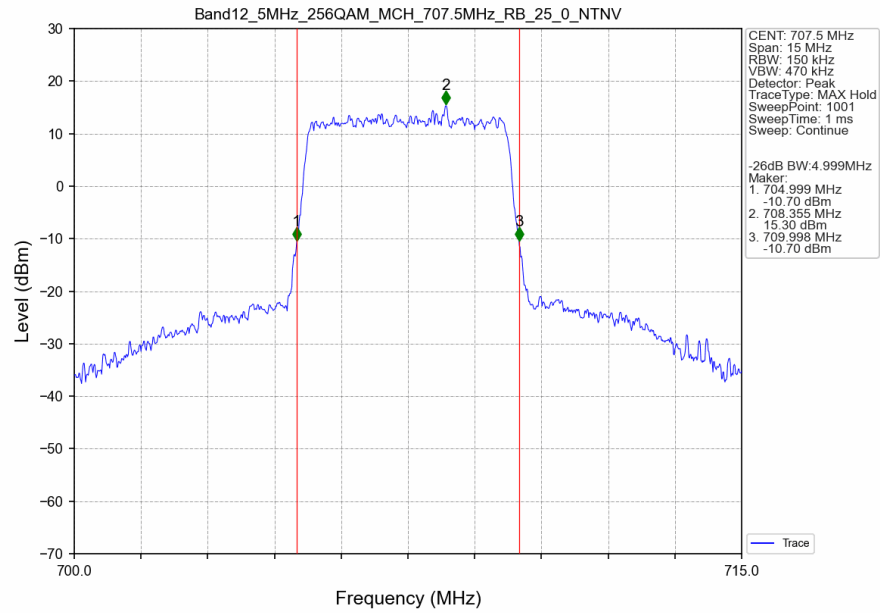
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



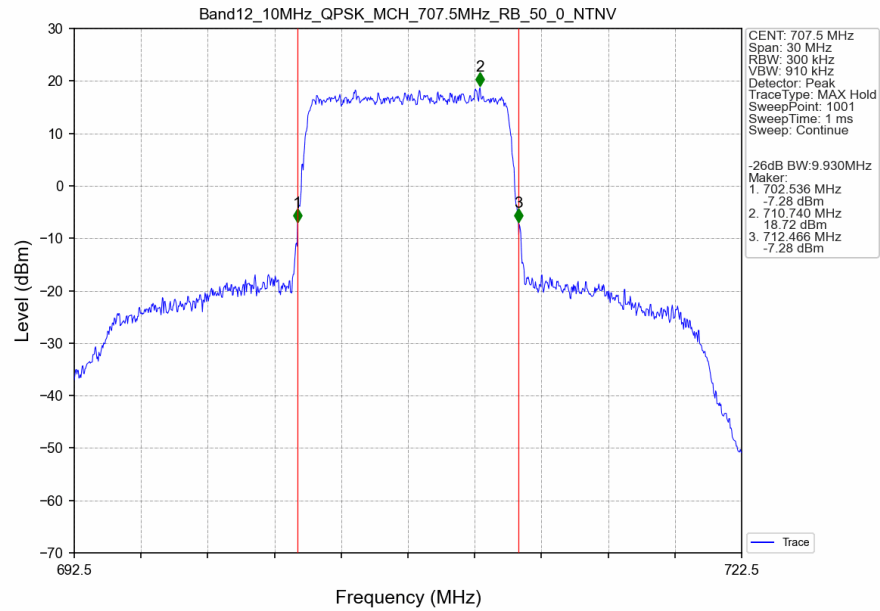
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTV



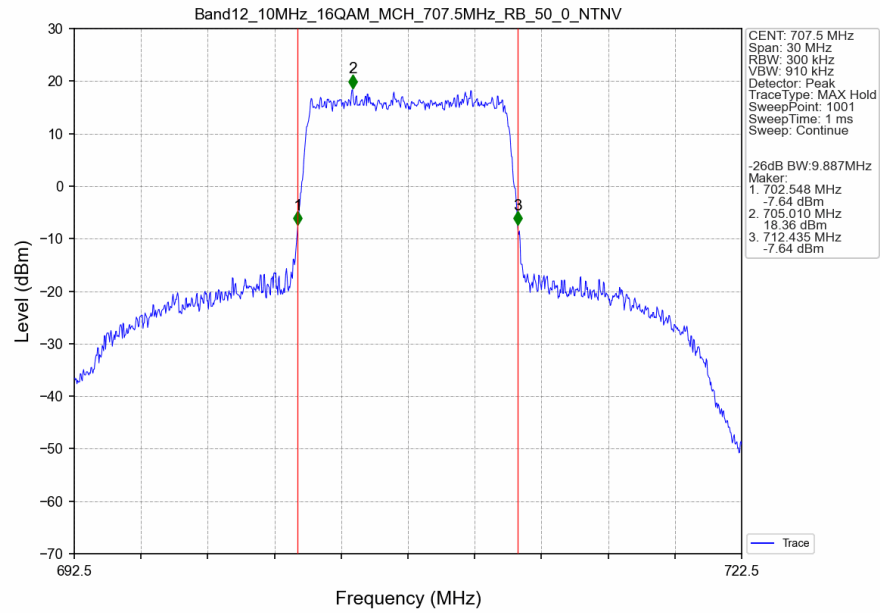
Band12 5MHz 256QAM MCH 707.5MHz RB 25 0 NTV



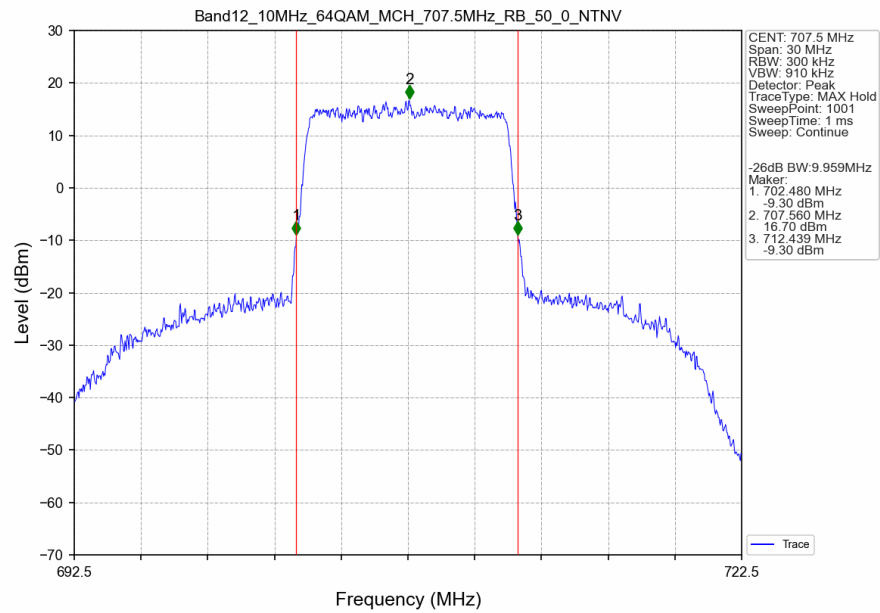
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



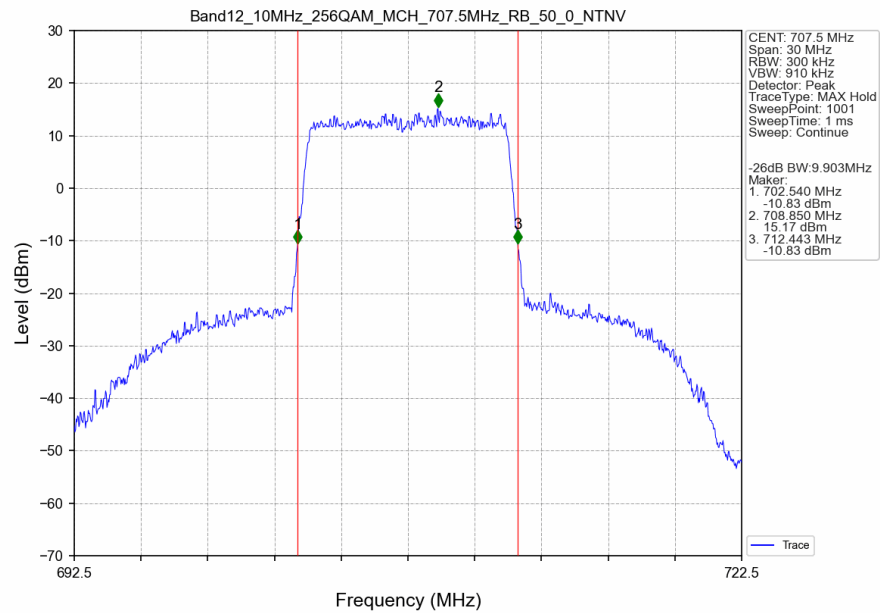
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTN



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



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



4. Peak-Average Ratio

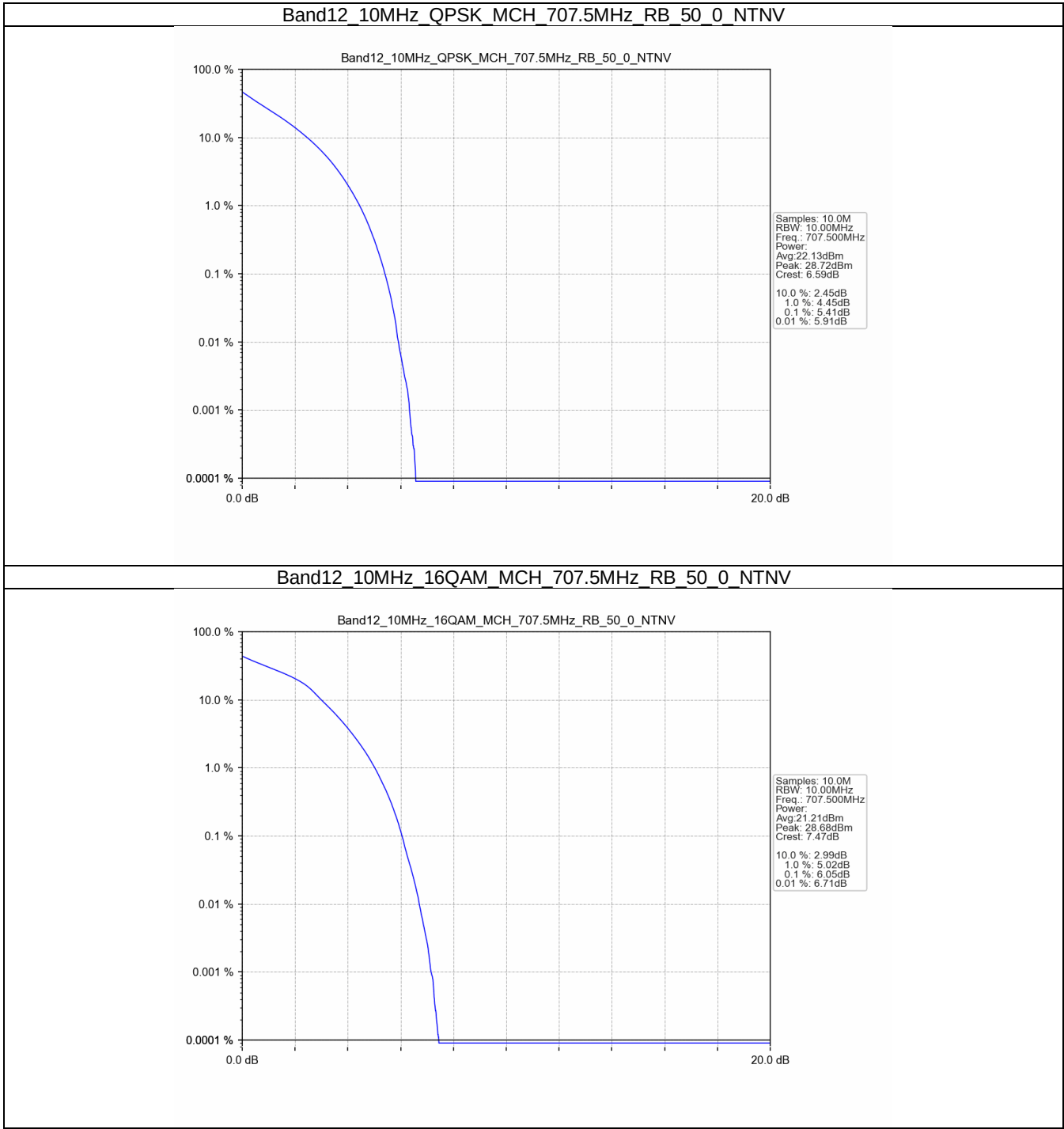
4.1 Test Result

4.1.1 B12_10MHz

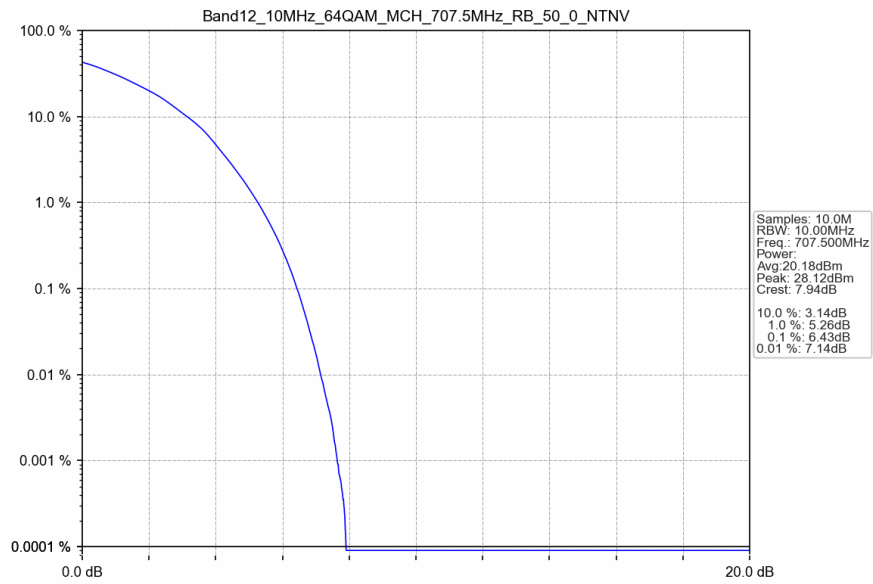
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.41	<=13	Pass
16QAM	707.5	50	0	6.05	<=13	Pass
64QAM	707.5	50	0	6.43	<=13	Pass
256QAM	707.5	50	0	6.76	<=13	Pass

4.2 Test Graph

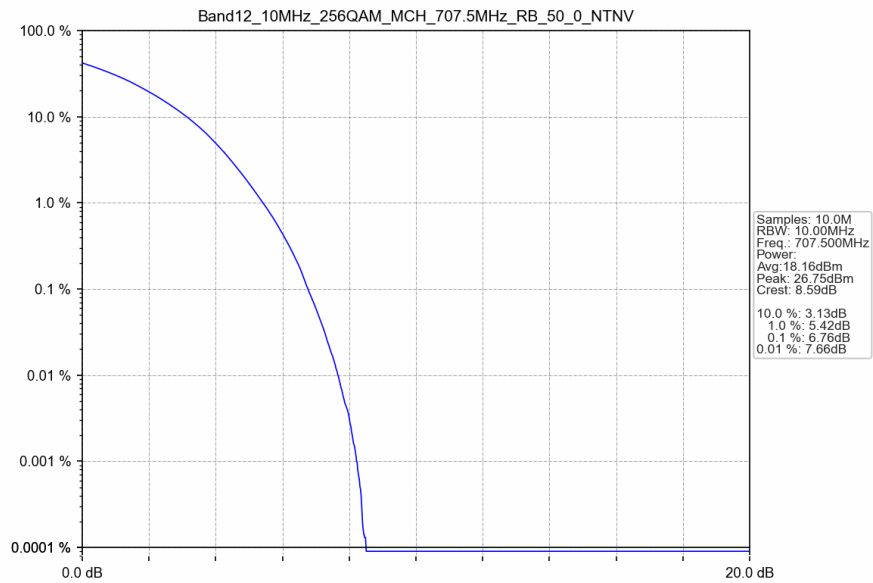
4.2.1 B12_10MHz



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

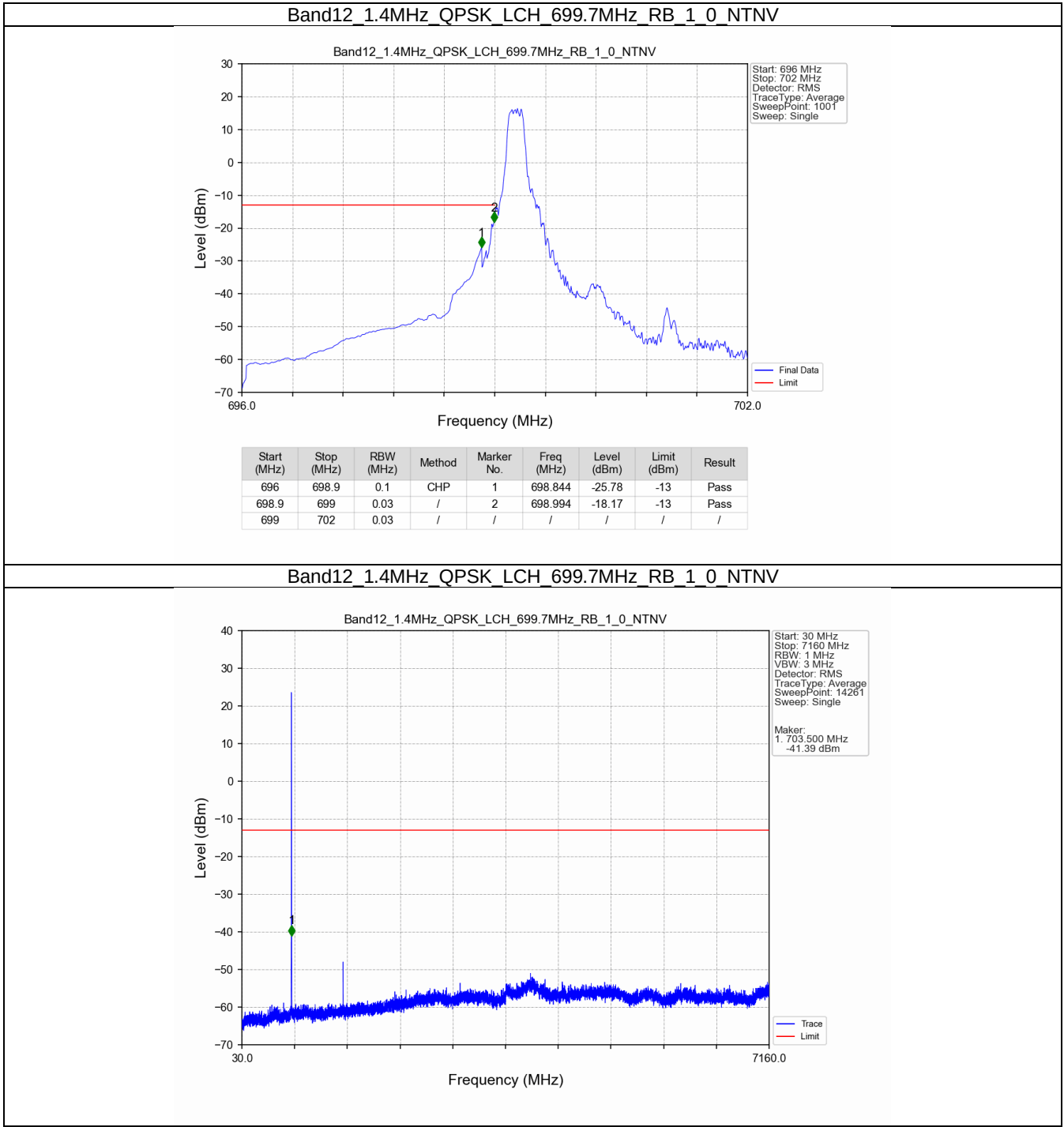
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B12_10MHz

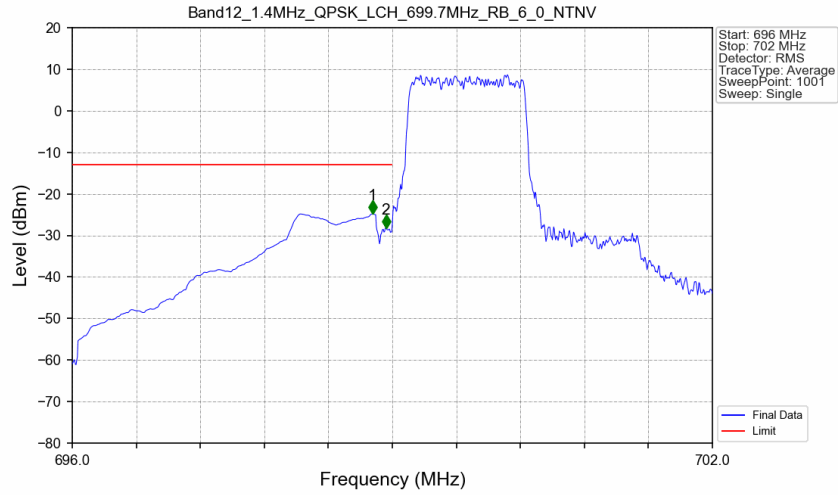
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B12_1.4MHz

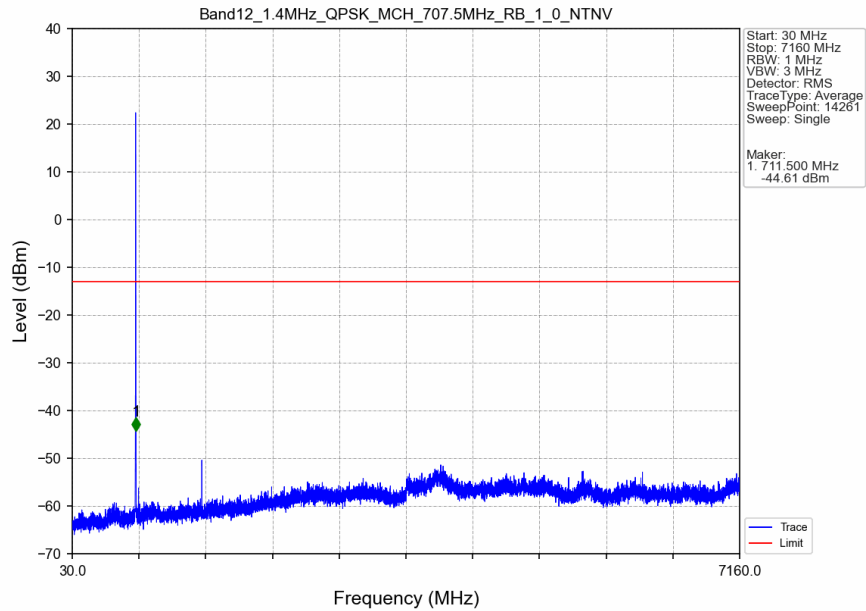


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV

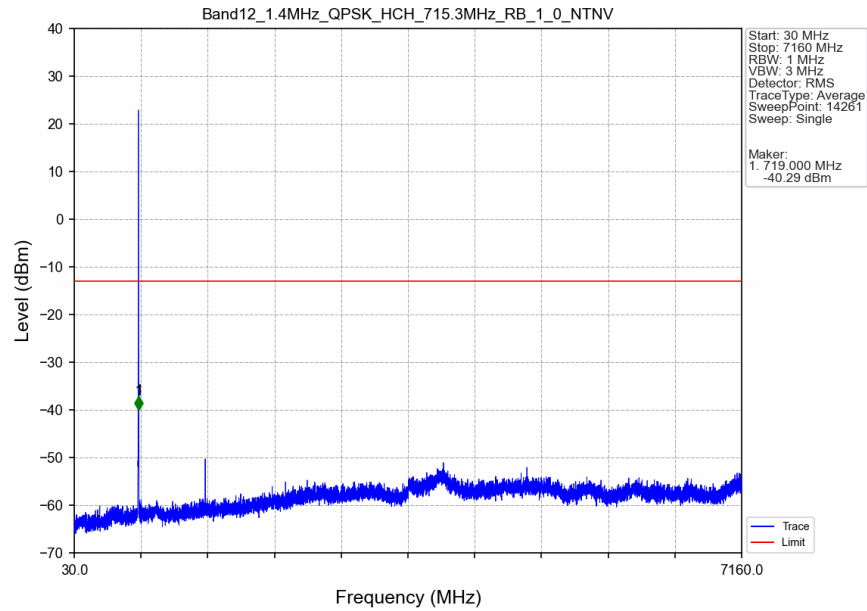


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.814	-24.81	-13	Pass
698.9	699	0.03	/	2	698.940	-28.19	-13	Pass
699	702	0.03	/	/	/	/	/	/

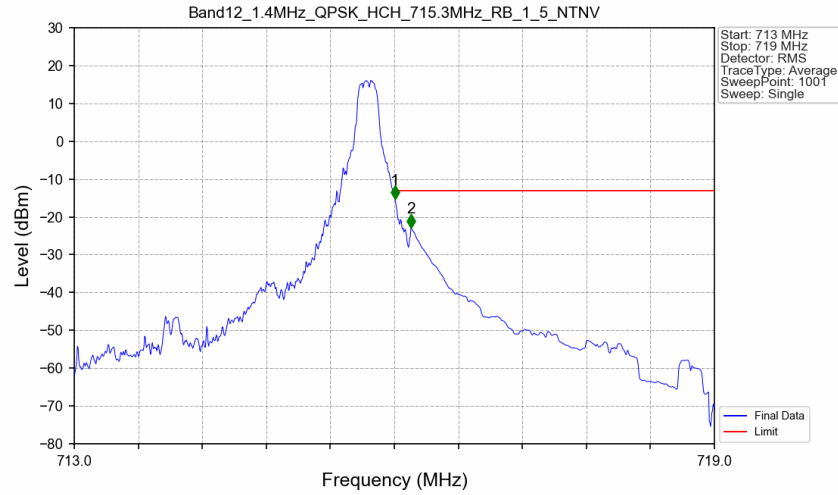
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV

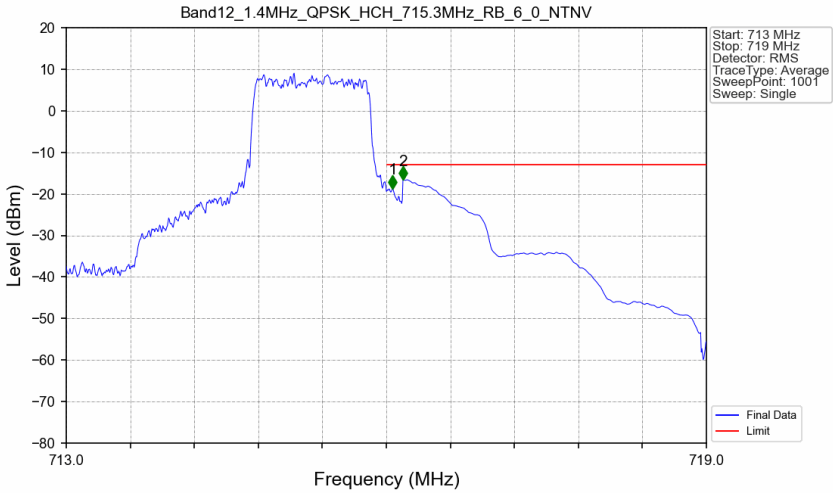


Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTV



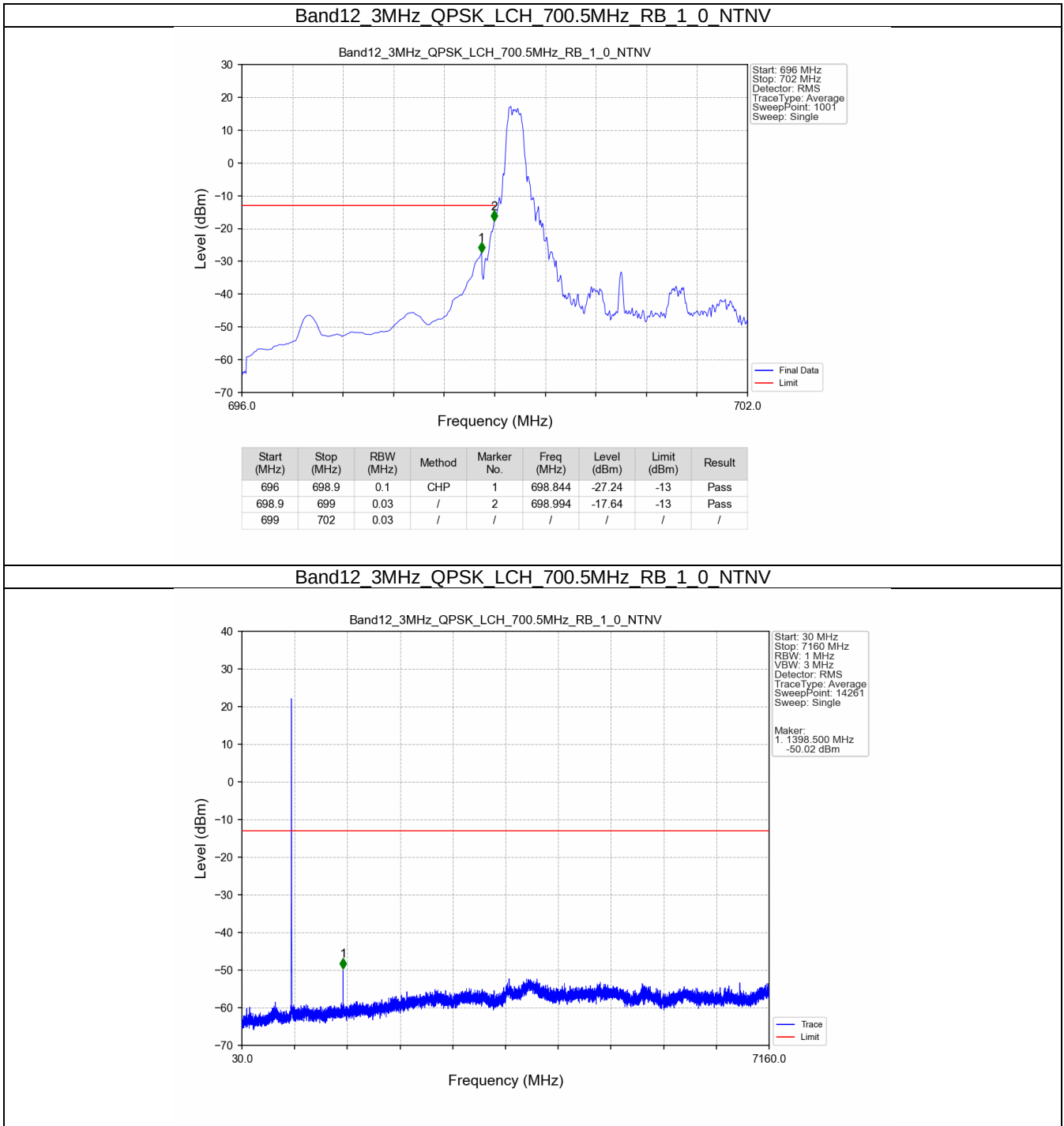
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-15.18	-13	Pass
716.1	719	0.1	CHP	2	716.156	-22.74	-13	Pass

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV

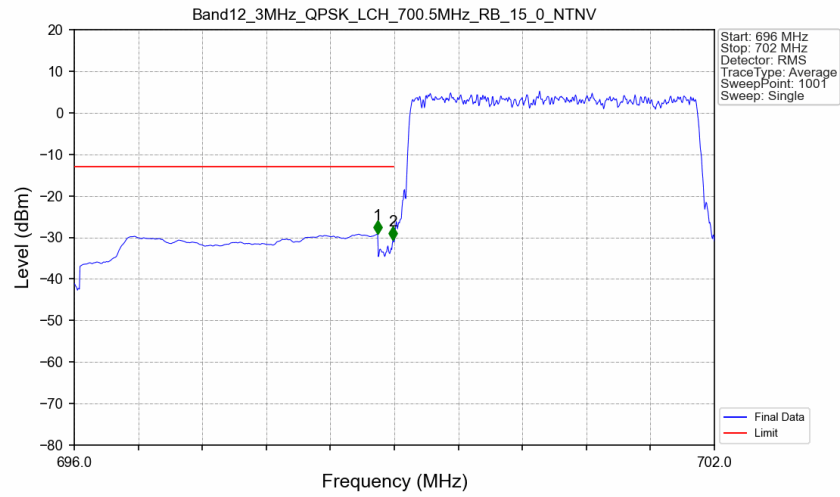


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.060	-18.65	-13	Pass
716.1	719	0.1	CHP	2	716.156	-16.56	-13	Pass

5.2.2 B12_3MHz

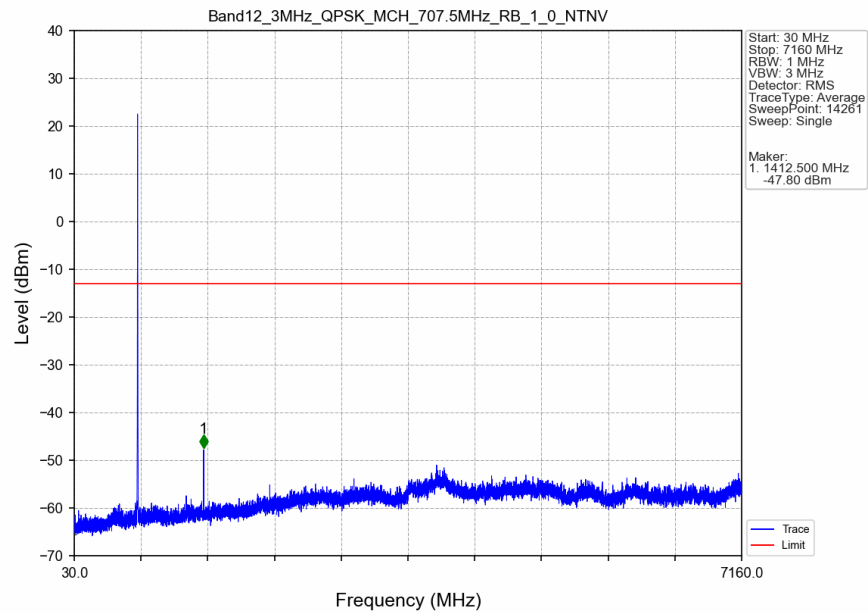


Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV

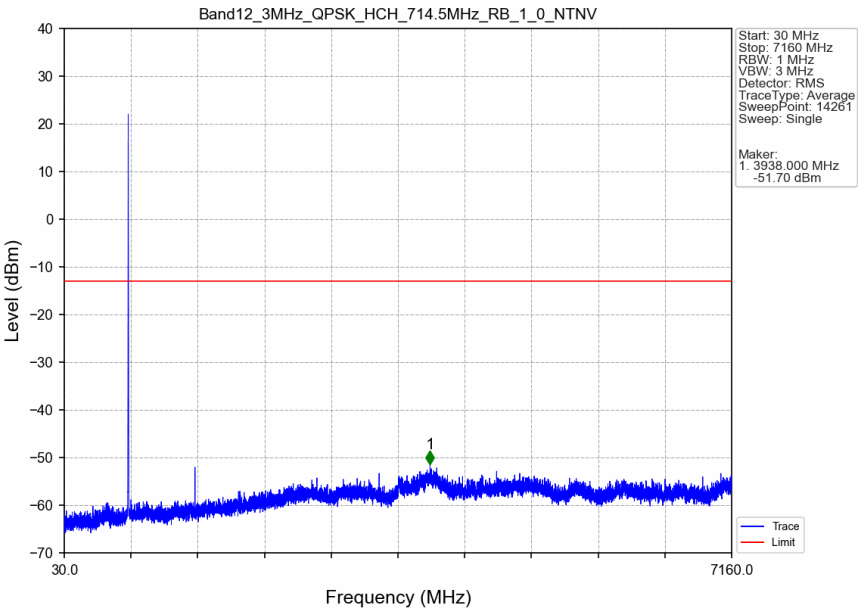


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.17	-13	Pass
698.9	699	0.03	/	2	698.988	-30.61	-13	Pass
699	702	0.03	/	/	/	/	/	/

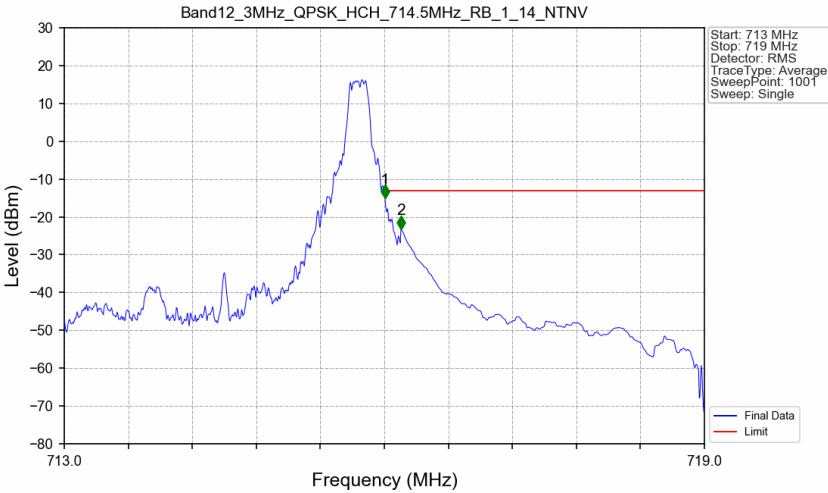
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

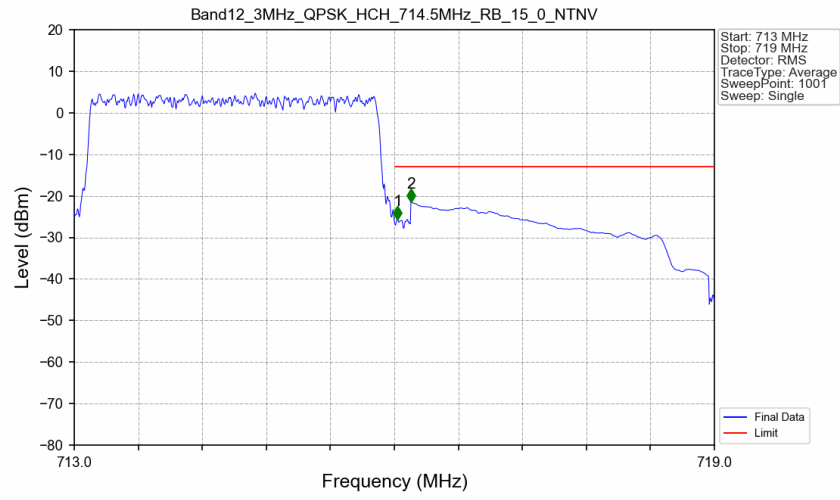


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



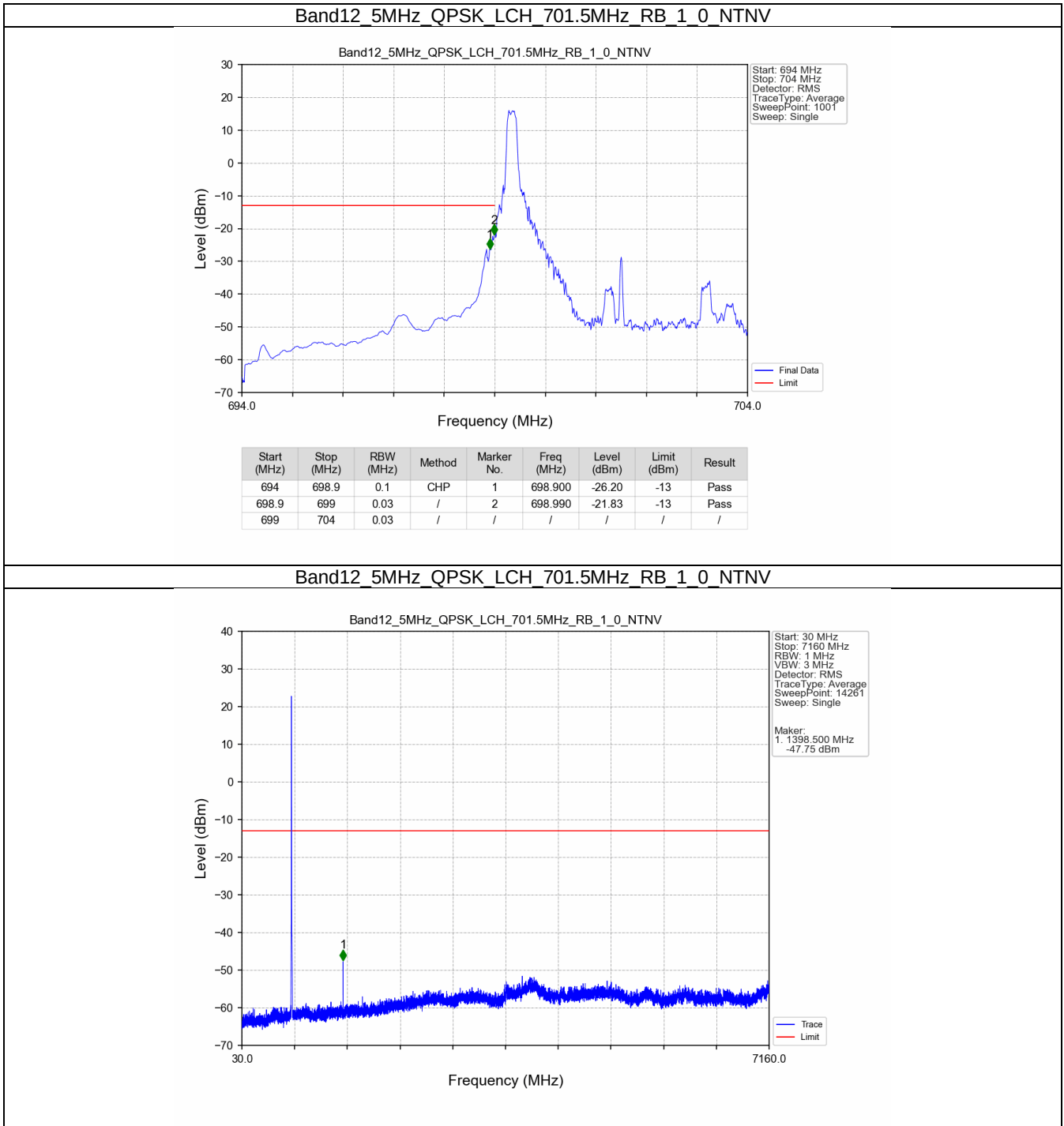
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-14.99	-13	Pass
716.1	719	0.1	CHP	2	716.156	-23.14	-13	Pass

Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV

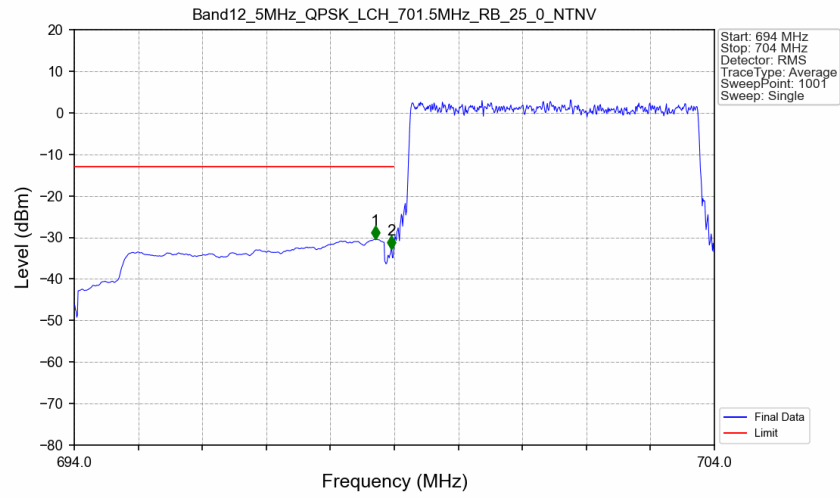


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-25.73	-13	Pass
716.1	719	0.1	CHP	2	716.156	-21.42	-13	Pass

5.2.3 B12_5MHz

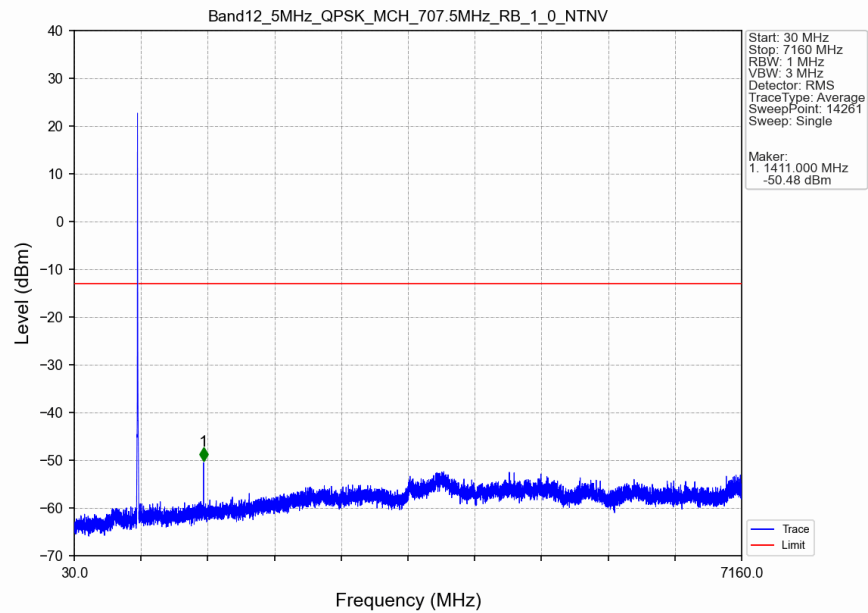


Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV

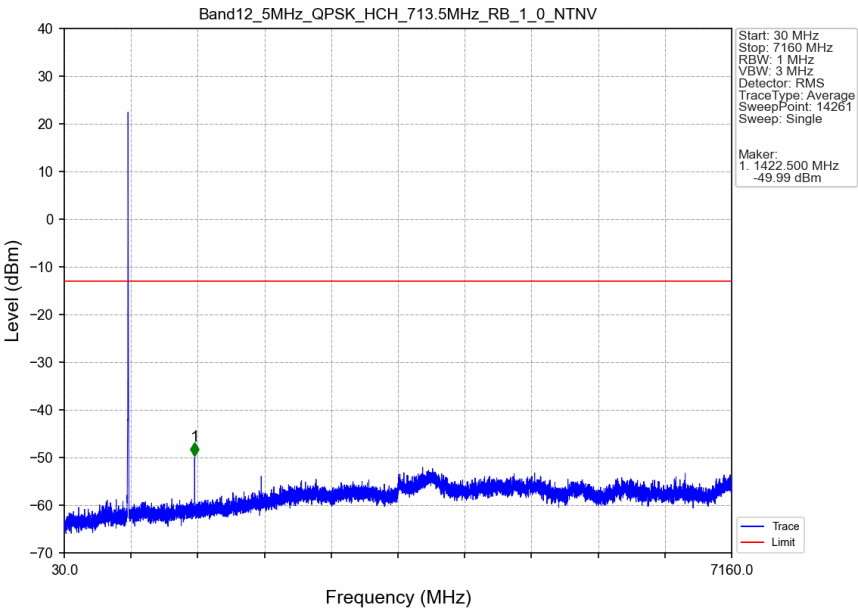


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.700	-30.47	-13	Pass
698.9	699	0.03	/	2	698.950	-32.85	-13	Pass
699	704	0.03	/	/	/	/	/	/

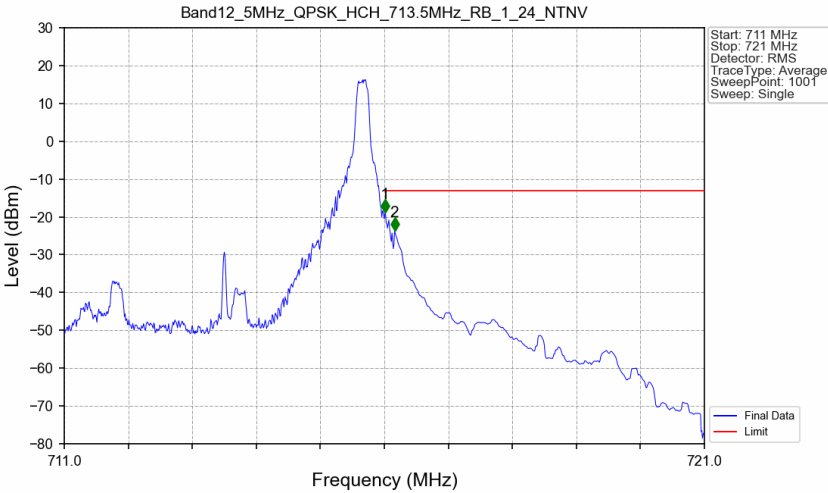
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV

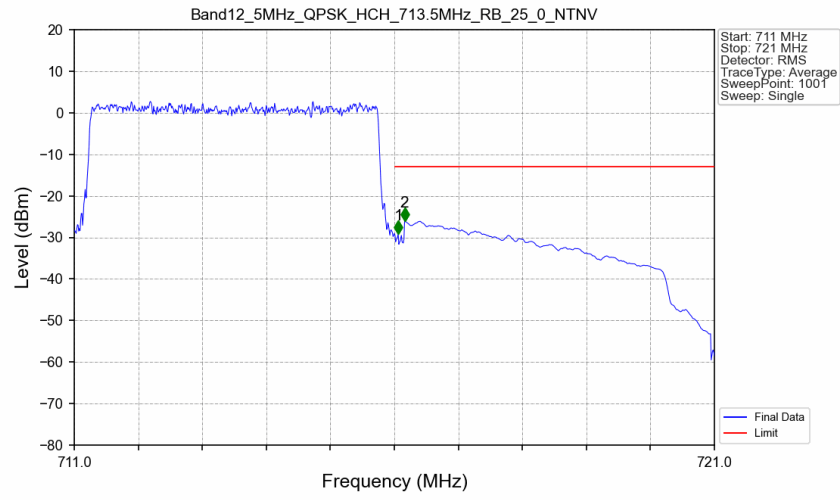


Band12 5MHz QPSK HCH 713.5MHz RB 1 24 NTNV



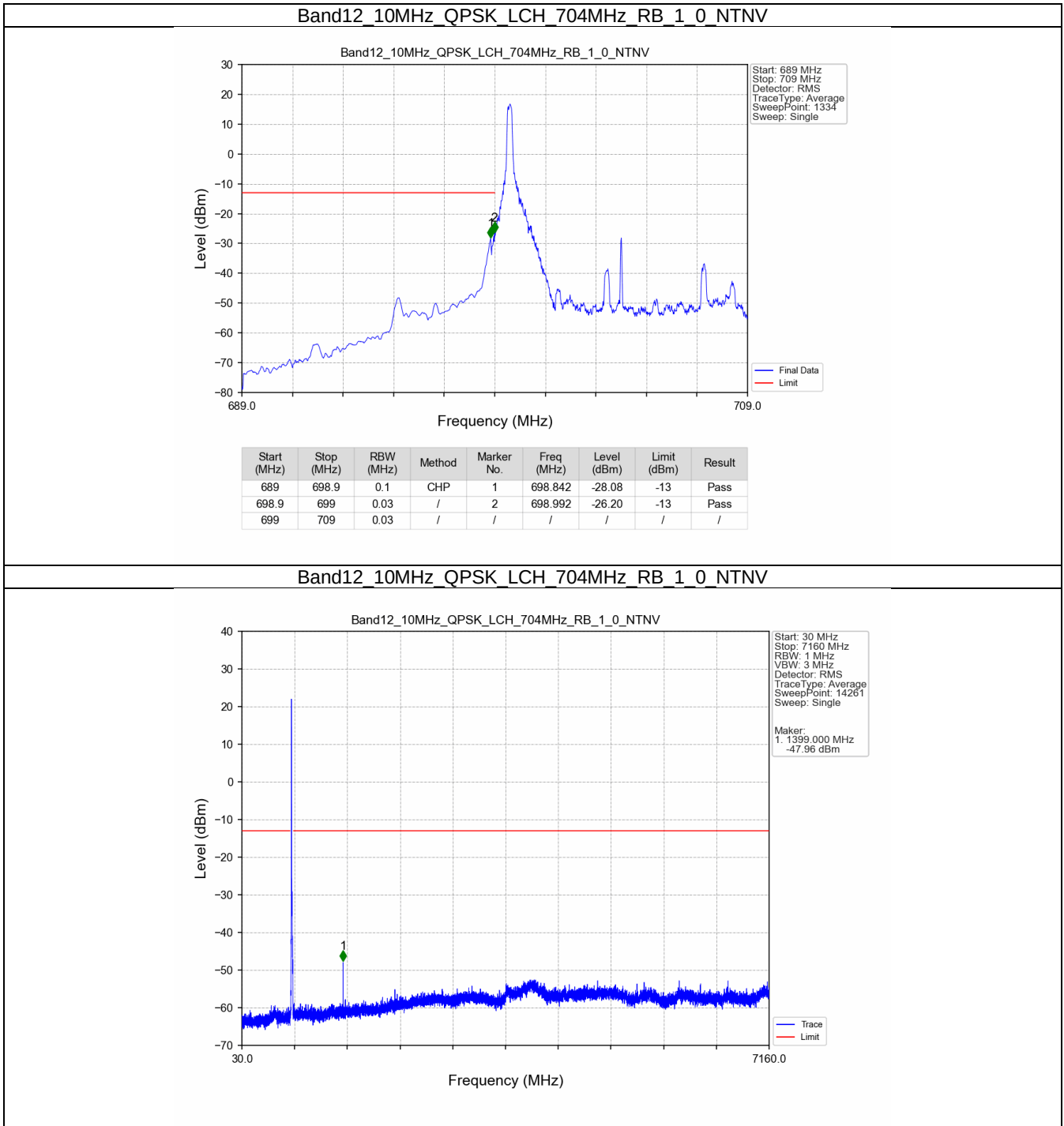
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-18.78	-13	Pass
716.1	721	0.1	CHP	2	716.160	-23.71	-13	Pass

Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV

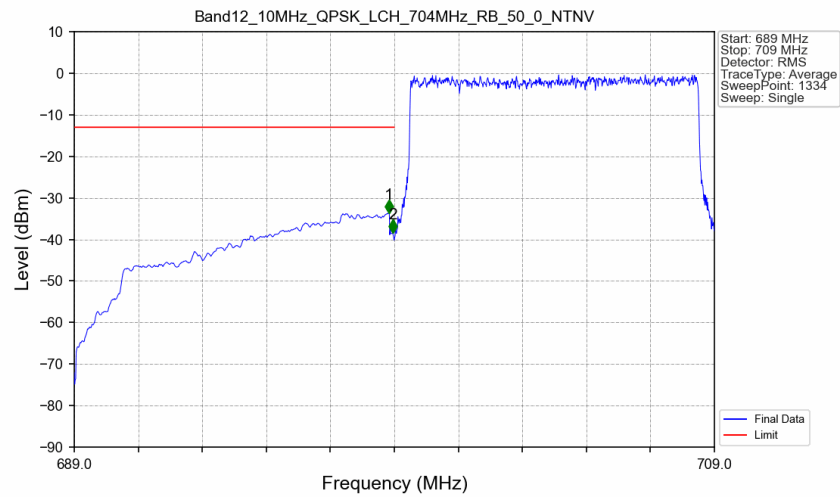


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.060	-29.10	-13	Pass
716.1	721	0.1	CHP	2	716.160	-26.09	-13	Pass

5.2.4 B12_10MHz

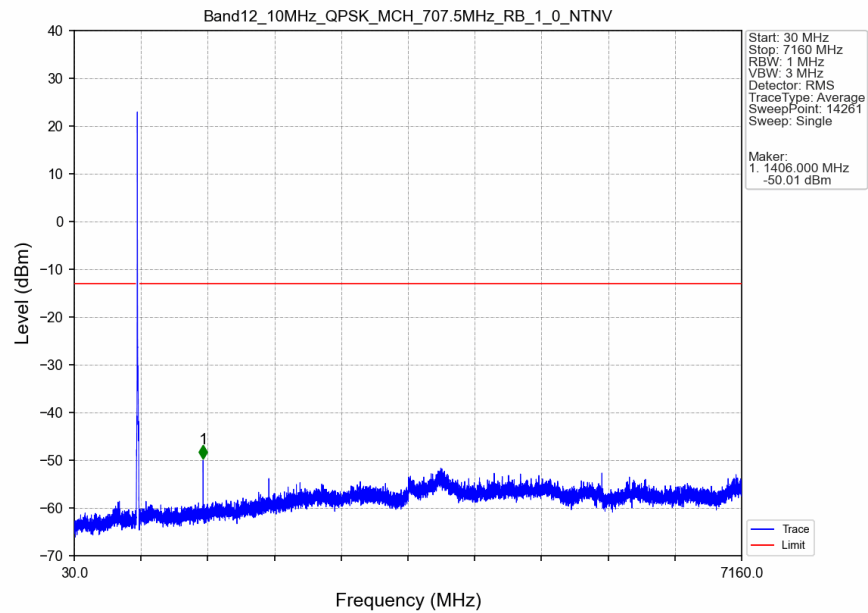


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

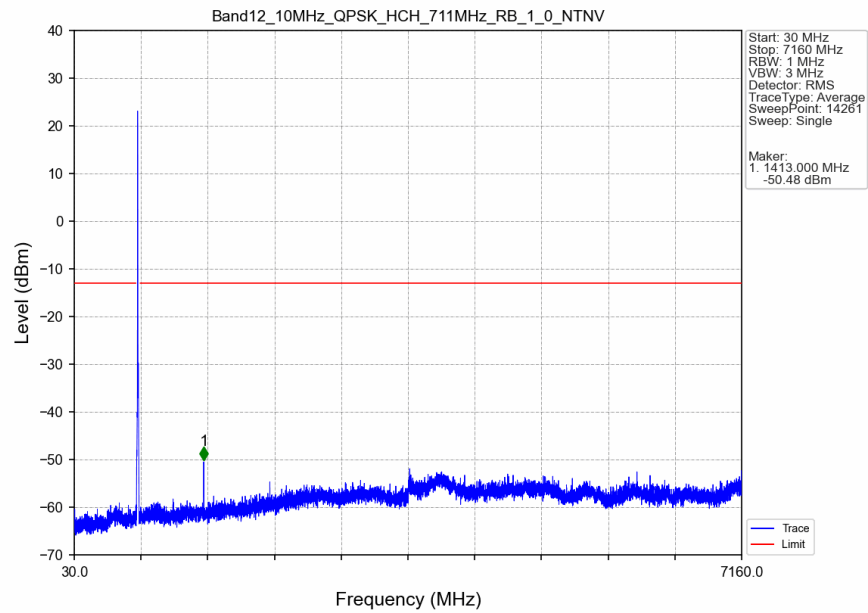


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.827	-33.64	-13	Pass
698.9	699	0.03	/	2	698.947	-38.36	-13	Pass
699	709	0.03	/	/	/	/	/	/

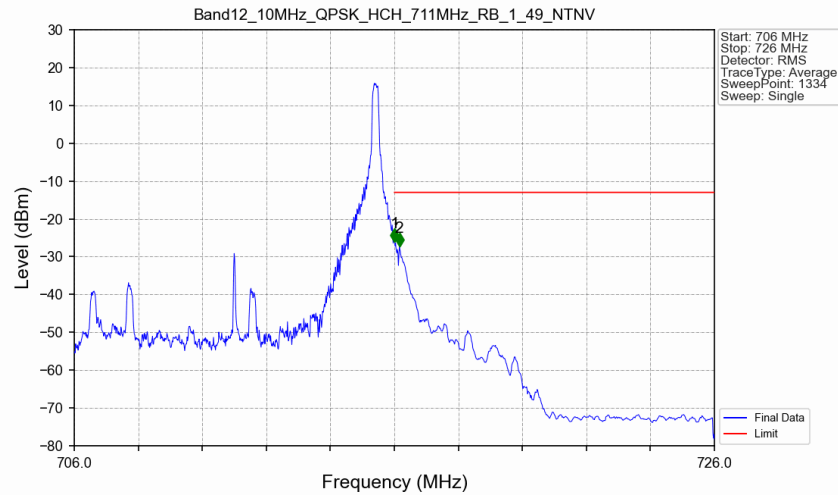
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12 10MHz QPSK HCH 711MHz RB 1 0 NTN

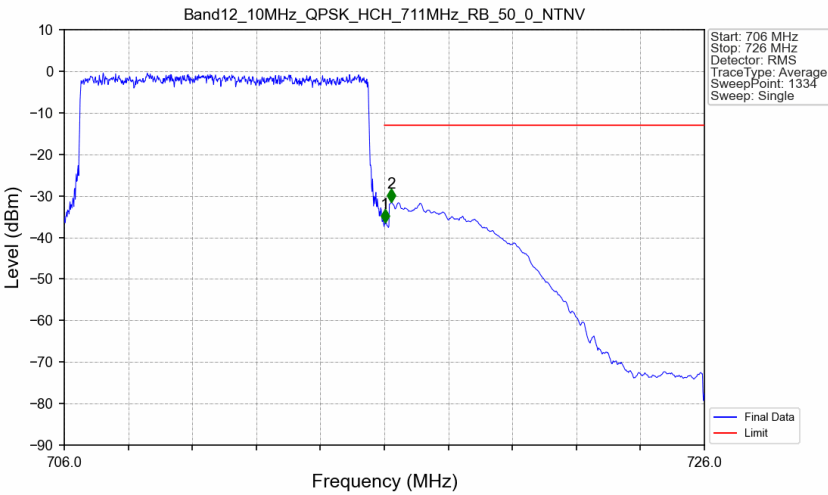


Band12 10MHz QPSK HCH 711MHz RB 1 49 NTN



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	-25.98	-13	Pass
716.1	726	0.1	CHP	2	716.158	-27.30	-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	716.023	-36.34	-13	Pass
716.1	726	0.1	CHP	2	716.218	-31.51	-13	Pass