

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	24.38	-1.52	20.71	<=34.77	Pass
			2	24.42	-1.52	20.75	<=34.77	Pass
			5	24.31	-1.52	20.64	<=34.77	Pass
		3	0	24.41	-1.52	20.74	<=34.77	Pass
			2	24.21	-1.52	20.54	<=34.77	Pass
			3	24.03	-1.52	20.36	<=34.77	Pass
		6	0	23.40	-1.52	19.73	<=34.77	Pass
	707.5	1	0	24.48	-1.52	20.81	<=34.77	Pass
			2	24.35	-1.52	20.68	<=34.77	Pass
			5	24.44	-1.52	20.77	<=34.77	Pass
		3	0	24.47	-1.52	20.80	<=34.77	Pass
			2	24.49	-1.52	20.82	<=34.77	Pass
			3	24.45	-1.52	20.78	<=34.77	Pass
		6	0	23.47	-1.52	19.80	<=34.77	Pass
	715.3	1	0	24.05	-1.52	20.38	<=34.77	Pass
			2	24.03	-1.52	20.36	<=34.77	Pass
			5	24.06	-1.52	20.39	<=34.77	Pass
		3	0	22.45	-1.52	18.78	<=34.77	Pass
			2	21.26	-1.52	17.59	<=34.77	Pass
			3	20.71	-1.52	17.04	<=34.77	Pass
		6	0	21.88	-1.52	18.21	<=34.77	Pass
16QAM	699.7	1	0	23.50	-1.52	19.83	<=34.77	Pass
			2	23.54	-1.52	19.87	<=34.77	Pass
			5	23.48	-1.52	19.81	<=34.77	Pass
		3	0	23.41	-1.52	19.74	<=34.77	Pass
			2	23.44	-1.52	19.77	<=34.77	Pass
			3	23.41	-1.52	19.74	<=34.77	Pass
		6	0	22.38	-1.52	18.71	<=34.77	Pass
	707.5	1	0	23.61	-1.52	19.94	<=34.77	Pass
			2	23.61	-1.52	19.94	<=34.77	Pass
			5	23.53	-1.52	19.86	<=34.77	Pass
		3	0	23.46	-1.52	19.79	<=34.77	Pass
			2	23.49	-1.52	19.82	<=34.77	Pass
			3	23.48	-1.52	19.81	<=34.77	Pass
		6	0	22.44	-1.52	18.77	<=34.77	Pass
	715.3	1	0	23.02	-1.52	19.35	<=34.77	Pass
			2	23.03	-1.52	19.36	<=34.77	Pass
			5	23.11	-1.52	19.44	<=34.77	Pass
		3	0	23.16	-1.52	19.49	<=34.77	Pass
			2	23.17	-1.52	19.50	<=34.77	Pass
			3	23.06	-1.52	19.39	<=34.77	Pass
		6	0	22.18	-1.52	18.51	<=34.77	Pass
64QAM	699.7	1	0	22.61	-1.52	18.94	<=34.77	Pass
			2	22.62	-1.52	18.95	<=34.77	Pass
			5	22.54	-1.52	18.87	<=34.77	Pass
		3	0	22.52	-1.52	18.85	<=34.77	Pass
			2	22.53	-1.52	18.86	<=34.77	Pass
			3	22.48	-1.52	18.81	<=34.77	Pass
		6	0	21.48	-1.52	17.81	<=34.77	Pass

	707.5	1	0	22.73	-1.52	19.06	<=34.77	Pass	
			2	22.73	-1.52	19.06	<=34.77	Pass	
			5	22.62	-1.52	18.95	<=34.77	Pass	
		3	0	22.55	-1.52	18.88	<=34.77	Pass	
			2	22.49	-1.52	18.82	<=34.77	Pass	
			3	22.56	-1.52	18.89	<=34.77	Pass	
		6	0	21.55	-1.52	17.88	<=34.77	Pass	
		2	23.10	-1.52	19.43	<=34.77	Pass		
		5	22.86	-1.52	19.19	<=34.77	Pass		
	3	0	23.03	-1.52	19.36	<=34.77	Pass		
		2	23.09	-1.52	19.42	<=34.77	Pass		
		3	22.92	-1.52	19.25	<=34.77	Pass		
	6	0	22.02	-1.52	18.35	<=34.77	Pass		
	256QAM	699.7	1	0	19.57	-1.52	15.90	<=34.77	Pass
2				19.49	-1.52	15.82	<=34.77	Pass	
5				19.47	-1.52	15.80	<=34.77	Pass	
3			0	19.49	-1.52	15.82	<=34.77	Pass	
			2	19.47	-1.52	15.80	<=34.77	Pass	
			3	19.48	-1.52	15.81	<=34.77	Pass	
6			0	19.45	-1.52	15.78	<=34.77	Pass	
2		19.68	-1.52	16.01	<=34.77	Pass			
5		19.55	-1.52	15.88	<=34.77	Pass			
3		0	19.51	-1.52	15.84	<=34.77	Pass		
		2	19.60	-1.52	15.93	<=34.77	Pass		
		3	19.57	-1.52	15.90	<=34.77	Pass		
6		0	19.37	-1.52	15.70	<=34.77	Pass		
2		19.04	-1.52	15.37	<=34.77	Pass			
5		19.13	-1.52	15.46	<=34.77	Pass			
3		0	19.06	-1.52	15.39	<=34.77	Pass		
		2	19.14	-1.52	15.47	<=34.77	Pass		
		3	19.09	-1.52	15.42	<=34.77	Pass		
6		0	19.12	-1.52	15.45	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	24.39	-1.52	20.72	<=34.77	Pass
			7	24.22	-1.52	20.55	<=34.77	Pass
			14	24.33	-1.52	20.66	<=34.77	Pass
		8	0	23.39	-1.52	19.72	<=34.77	Pass
			4	23.30	-1.52	19.63	<=34.77	Pass
			7	23.31	-1.52	19.64	<=34.77	Pass
		15	0	23.34	-1.52	19.67	<=34.77	Pass
	707.5	1	0	24.14	-1.52	20.47	<=34.77	Pass
			7	24.13	-1.52	20.46	<=34.77	Pass
			14	24.13	-1.52	20.46	<=34.77	Pass
		8	0	23.21	-1.52	19.54	<=34.77	Pass
			4	23.23	-1.52	19.56	<=34.77	Pass
			7	23.23	-1.52	19.56	<=34.77	Pass
		15	0	23.23	-1.52	19.56	<=34.77	Pass
	714.5	1	0	24.06	-1.52	20.39	<=34.77	Pass

		8	7	24.09	-1.52	20.42	<=34.77	Pass
			14	23.97	-1.52	20.30	<=34.77	Pass
			0	23.08	-1.52	19.41	<=34.77	Pass
			4	23.17	-1.52	19.50	<=34.77	Pass
			7	23.07	-1.52	19.40	<=34.77	Pass
		15	0	23.14	-1.52	19.47	<=34.77	Pass
16QAM	700.5	1	0	23.67	-1.52	20.00	<=34.77	Pass
			7	23.51	-1.52	19.84	<=34.77	Pass
			14	23.43	-1.52	19.76	<=34.77	Pass
		8	0	22.41	-1.52	18.74	<=34.77	Pass
			4	22.34	-1.52	18.67	<=34.77	Pass
			7	22.32	-1.52	18.65	<=34.77	Pass
		15	0	22.38	-1.52	18.71	<=34.77	Pass
	707.5	1	0	23.54	-1.52	19.87	<=34.77	Pass
			7	23.46	-1.52	19.79	<=34.77	Pass
			14	23.46	-1.52	19.79	<=34.77	Pass
		8	0	22.00	-1.52	18.33	<=34.77	Pass
			4	22.31	-1.52	18.64	<=34.77	Pass
			7	22.29	-1.52	18.62	<=34.77	Pass
		15	0	22.24	-1.52	18.57	<=34.77	Pass
	714.5	1	0	23.28	-1.52	19.61	<=34.77	Pass
			7	23.49	-1.52	19.82	<=34.77	Pass
			14	23.18	-1.52	19.51	<=34.77	Pass
		8	0	22.06	-1.52	18.39	<=34.77	Pass
			4	22.17	-1.52	18.50	<=34.77	Pass
			7	22.08	-1.52	18.41	<=34.77	Pass
		15	0	22.10	-1.52	18.43	<=34.77	Pass
64QAM	700.5	1	0	23.22	-1.52	19.55	<=34.77	Pass
			7	23.47	-1.52	19.80	<=34.77	Pass
			14	23.14	-1.52	19.47	<=34.77	Pass
		8	0	22.19	-1.52	18.52	<=34.77	Pass
			4	22.29	-1.52	18.62	<=34.77	Pass
			7	22.27	-1.52	18.60	<=34.77	Pass
		15	0	22.25	-1.52	18.58	<=34.77	Pass
	707.5	1	0	23.23	-1.52	19.56	<=34.77	Pass
			7	23.27	-1.52	19.60	<=34.77	Pass
			14	23.10	-1.52	19.43	<=34.77	Pass
		8	0	22.18	-1.52	18.51	<=34.77	Pass
			4	22.08	-1.52	18.41	<=34.77	Pass
			7	22.07	-1.52	18.40	<=34.77	Pass
		15	0	22.26	-1.52	18.59	<=34.77	Pass
	714.5	1	0	23.07	-1.52	19.40	<=34.77	Pass
			7	23.06	-1.52	19.39	<=34.77	Pass
			14	22.73	-1.52	19.06	<=34.77	Pass
		8	0	22.14	-1.52	18.47	<=34.77	Pass
			4	22.09	-1.52	18.42	<=34.77	Pass
			7	22.02	-1.52	18.35	<=34.77	Pass
		15	0	21.97	-1.52	18.30	<=34.77	Pass
256QAM	700.5	1	0	19.24	-1.52	15.57	<=34.77	Pass
			7	19.24	-1.52	15.57	<=34.77	Pass
			14	19.30	-1.52	15.63	<=34.77	Pass
		8	0	19.41	-1.52	15.74	<=34.77	Pass
			4	19.39	-1.52	15.72	<=34.77	Pass
			7	19.35	-1.52	15.68	<=34.77	Pass
		15	0	19.32	-1.52	15.65	<=34.77	Pass
	707.5	1	0	19.16	-1.52	15.49	<=34.77	Pass
			7	19.31	-1.52	15.64	<=34.77	Pass
			14	19.29	-1.52	15.62	<=34.77	Pass
		8	0	19.12	-1.52	15.45	<=34.77	Pass
			0	19.12	-1.52	15.45	<=34.77	Pass

			4	19.26	-1.52	15.59	<=34.77	Pass
			7	19.23	-1.52	15.56	<=34.77	Pass
		15	0	19.20	-1.52	15.53	<=34.77	Pass
	714.5	1	0	19.23	-1.52	15.56	<=34.77	Pass
			7	19.26	-1.52	15.59	<=34.77	Pass
			14	18.96	-1.52	15.29	<=34.77	Pass
		8	0	19.32	-1.52	15.65	<=34.77	Pass
			4	19.06	-1.52	15.39	<=34.77	Pass
			7	19.12	-1.52	15.45	<=34.77	Pass
		15	0	19.13	-1.52	15.46	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	24.38	-1.52	20.71	<=34.77	Pass
			13	24.28	-1.52	20.61	<=34.77	Pass
			24	24.28	-1.52	20.61	<=34.77	Pass
		12	0	23.40	-1.52	19.73	<=34.77	Pass
			6	23.45	-1.52	19.78	<=34.77	Pass
			13	23.37	-1.52	19.70	<=34.77	Pass
		25	0	23.37	-1.52	19.70	<=34.77	Pass
	707.5	1	0	24.18	-1.52	20.51	<=34.77	Pass
			13	24.28	-1.52	20.61	<=34.77	Pass
			24	24.18	-1.52	20.51	<=34.77	Pass
		12	0	23.26	-1.52	19.59	<=34.77	Pass
			6	23.30	-1.52	19.63	<=34.77	Pass
			13	23.31	-1.52	19.64	<=34.77	Pass
		25	0	23.27	-1.52	19.60	<=34.77	Pass
	713.5	1	0	24.19	-1.52	20.52	<=34.77	Pass
			13	24.14	-1.52	20.47	<=34.77	Pass
			24	23.95	-1.52	20.28	<=34.77	Pass
		12	0	23.21	-1.52	19.54	<=34.77	Pass
			6	23.15	-1.52	19.48	<=34.77	Pass
			13	23.18	-1.52	19.51	<=34.77	Pass
		25	0	23.11	-1.52	19.44	<=34.77	Pass
16QAM	701.5	1	0	23.60	-1.52	19.93	<=34.77	Pass
			13	23.63	-1.52	19.96	<=34.77	Pass
			24	23.51	-1.52	19.84	<=34.77	Pass
		12	0	22.36	-1.52	18.69	<=34.77	Pass
			6	22.42	-1.52	18.75	<=34.77	Pass
			13	22.35	-1.52	18.68	<=34.77	Pass
		25	0	22.43	-1.52	18.76	<=34.77	Pass
	707.5	1	0	23.28	-1.52	19.61	<=34.77	Pass
			13	23.63	-1.52	19.96	<=34.77	Pass
			24	23.42	-1.52	19.75	<=34.77	Pass
		12	0	22.24	-1.52	18.57	<=34.77	Pass
			6	22.28	-1.52	18.61	<=34.77	Pass
			13	22.29	-1.52	18.62	<=34.77	Pass
		25	0	22.27	-1.52	18.60	<=34.77	Pass
	713.5	1	0	23.55	-1.52	19.88	<=34.77	Pass
			13	23.08	-1.52	19.41	<=34.77	Pass
			24	23.27	-1.52	19.60	<=34.77	Pass
		12	0	22.20	-1.52	18.53	<=34.77	Pass
			6	22.14	-1.52	18.47	<=34.77	Pass

			13	22.14	-1.52	18.47	<=34.77	Pass	
		25	0	22.17	-1.52	18.50	<=34.77	Pass	
64QAM	701.5	1	0	23.35	-1.52	19.68	<=34.77	Pass	
			13	23.66	-1.52	19.99	<=34.77	Pass	
			24	23.09	-1.52	19.42	<=34.77	Pass	
			0	22.38	-1.52	18.71	<=34.77	Pass	
		12	6	22.28	-1.52	18.61	<=34.77	Pass	
			13	22.36	-1.52	18.69	<=34.77	Pass	
			25	0	22.37	-1.52	18.70	<=34.77	Pass
		707.5	1	0	23.13	-1.52	19.46	<=34.77	Pass
				13	23.30	-1.52	19.63	<=34.77	Pass
	24			22.91	-1.52	19.24	<=34.77	Pass	
	0			22.09	-1.52	18.42	<=34.77	Pass	
	12		6	22.21	-1.52	18.54	<=34.77	Pass	
			13	22.32	-1.52	18.65	<=34.77	Pass	
			25	0	22.25	-1.52	18.58	<=34.77	Pass
	713.5		1	0	23.24	-1.52	19.57	<=34.77	Pass
		13		23.18	-1.52	19.51	<=34.77	Pass	
		24		22.85	-1.52	19.18	<=34.77	Pass	
		0		22.08	-1.52	18.41	<=34.77	Pass	
		12	6	22.11	-1.52	18.44	<=34.77	Pass	
			13	22.10	-1.52	18.43	<=34.77	Pass	
			25	0	22.11	-1.52	18.44	<=34.77	Pass
		256QAM	701.5	1	0	19.42	-1.52	15.75	<=34.77
	13				19.33	-1.52	15.66	<=34.77	Pass
24	19.17				-1.52	15.50	<=34.77	Pass	
12	0			19.39	-1.52	15.72	<=34.77	Pass	
	6			19.29	-1.52	15.62	<=34.77	Pass	
	13			19.36	-1.52	15.69	<=34.77	Pass	
25	0			19.32	-1.52	15.65	<=34.77	Pass	
707.5	1		0	19.21	-1.52	15.54	<=34.77	Pass	
			13	19.38	-1.52	15.71	<=34.77	Pass	
			24	19.30	-1.52	15.63	<=34.77	Pass	
	12		0	19.27	-1.52	15.60	<=34.77	Pass	
			6	19.30	-1.52	15.63	<=34.77	Pass	
			13	19.26	-1.52	15.59	<=34.77	Pass	
	25		0	19.40	-1.52	15.73	<=34.77	Pass	
713.5	1		0	19.31	-1.52	15.64	<=34.77	Pass	
			13	19.50	-1.52	15.83	<=34.77	Pass	
			24	18.93	-1.52	15.26	<=34.77	Pass	
	12		0	19.20	-1.52	15.53	<=34.77	Pass	
			6	19.21	-1.52	15.54	<=34.77	Pass	
			13	19.12	-1.52	15.45	<=34.77	Pass	
	25		0	19.13	-1.52	15.46	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	24.40	-1.52	20.73	<=34.77	Pass
			25	24.35	-1.52	20.68	<=34.77	Pass
			49	24.24	-1.52	20.57	<=34.77	Pass
		25	0	23.37	-1.52	19.70	<=34.77	Pass
			13	23.40	-1.52	19.73	<=34.77	Pass
			25	23.30	-1.52	19.63	<=34.77	Pass

		50	0	23.36	-1.52	19.69	<=34.77	Pass	
		707.5	1	0	24.28	-1.52	20.61	<=34.77	Pass
				25	24.20	-1.52	20.53	<=34.77	Pass
				49	24.19	-1.52	20.52	<=34.77	Pass
			25	0	23.28	-1.52	19.61	<=34.77	Pass
				13	23.34	-1.52	19.67	<=34.77	Pass
				25	23.23	-1.52	19.56	<=34.77	Pass
		50	0	23.31	-1.52	19.64	<=34.77	Pass	
		711	1	0	24.25	-1.52	20.58	<=34.77	Pass
				25	24.24	-1.52	20.57	<=34.77	Pass
				49	23.90	-1.52	20.23	<=34.77	Pass
			25	0	23.23	-1.52	19.56	<=34.77	Pass
				13	23.28	-1.52	19.61	<=34.77	Pass
				25	23.20	-1.52	19.53	<=34.77	Pass
			50	0	23.29	-1.52	19.62	<=34.77	Pass
			16QAM	704	1	0	23.63	-1.52	19.96
25	23.40	-1.52				19.73	<=34.77	Pass	
49	23.19	-1.52				19.52	<=34.77	Pass	
25	0	22.34			-1.52	18.67	<=34.77	Pass	
	13	22.12			-1.52	18.45	<=34.77	Pass	
	25	22.30			-1.52	18.63	<=34.77	Pass	
50	0	22.38		-1.52	18.71	<=34.77	Pass		
707.5	1	0		23.60	-1.52	19.93	<=34.77	Pass	
		25		23.57	-1.52	19.90	<=34.77	Pass	
		49		23.35	-1.52	19.68	<=34.77	Pass	
	25	0		22.34	-1.52	18.67	<=34.77	Pass	
		13		22.37	-1.52	18.70	<=34.77	Pass	
		25		22.13	-1.52	18.46	<=34.77	Pass	
50	0	22.33		-1.52	18.66	<=34.77	Pass		
711	1	0		23.39	-1.52	19.72	<=34.77	Pass	
		25		23.07	-1.52	19.40	<=34.77	Pass	
		49		23.38	-1.52	19.71	<=34.77	Pass	
	25	0		22.33	-1.52	18.66	<=34.77	Pass	
		13		22.31	-1.52	18.64	<=34.77	Pass	
		25		22.16	-1.52	18.49	<=34.77	Pass	
	50	0		22.13	-1.52	18.46	<=34.77	Pass	
	64QAM	704		1	0	23.51	-1.52	19.84	<=34.77
25					23.29	-1.52	19.62	<=34.77	Pass
49					23.21	-1.52	19.54	<=34.77	Pass
25			0	22.25	-1.52	18.58	<=34.77	Pass	
			13	22.25	-1.52	18.58	<=34.77	Pass	
			25	22.34	-1.52	18.67	<=34.77	Pass	
50		0	22.35	-1.52	18.68	<=34.77	Pass		
707.5		1	0	23.34	-1.52	19.67	<=34.77	Pass	
			25	23.07	-1.52	19.40	<=34.77	Pass	
			49	23.26	-1.52	19.59	<=34.77	Pass	
		25	0	22.30	-1.52	18.63	<=34.77	Pass	
			13	22.35	-1.52	18.68	<=34.77	Pass	
			25	22.22	-1.52	18.55	<=34.77	Pass	
50		0	22.24	-1.52	18.57	<=34.77	Pass		
711		1	0	22.77	-1.52	19.10	<=34.77	Pass	
			25	23.19	-1.52	19.52	<=34.77	Pass	
			49	22.80	-1.52	19.13	<=34.77	Pass	
		25	0	22.26	-1.52	18.59	<=34.77	Pass	
			13	22.29	-1.52	18.62	<=34.77	Pass	
			25	22.18	-1.52	18.51	<=34.77	Pass	
		50	0	22.13	-1.52	18.46	<=34.77	Pass	
		256QAM	704	1	0	19.22	-1.52	15.55	<=34.77
25					19.46	-1.52	15.79	<=34.77	Pass

			49	19.34	-1.52	15.67	<=34.77	Pass
		25	0	19.32	-1.52	15.65	<=34.77	Pass
			13	19.30	-1.52	15.63	<=34.77	Pass
			25	19.35	-1.52	15.68	<=34.77	Pass
		50	0	19.37	-1.52	15.70	<=34.77	Pass
	707.5	1	0	19.43	-1.52	15.76	<=34.77	Pass
			25	19.43	-1.52	15.76	<=34.77	Pass
			49	19.54	-1.52	15.87	<=34.77	Pass
		25	0	19.31	-1.52	15.64	<=34.77	Pass
			13	19.10	-1.52	15.43	<=34.77	Pass
			25	19.23	-1.52	15.56	<=34.77	Pass
		50	0	19.32	-1.52	15.65	<=34.77	Pass
	711	1	0	19.21	-1.52	15.54	<=34.77	Pass
			25	18.87	-1.52	15.20	<=34.77	Pass
			49	19.31	-1.52	15.64	<=34.77	Pass
		25	0	19.58	-1.52	15.91	<=34.77	Pass
			13	19.31	-1.52	15.64	<=34.77	Pass
			25	19.20	-1.52	15.53	<=34.77	Pass
		50	0	19.28	-1.52	15.61	<=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	0.200	0.0003	-2.5 to 2.5	Pass
					NV	0.600	0.0008	-2.5 to 2.5	Pass
					HV	0.400	0.0006	-2.5 to 2.5	Pass
				-30	NV	-0.500	-0.0007	-2.5 to 2.5	Pass
				-20	NV	1.000	0.0014	-2.5 to 2.5	Pass
				-10	NV	0.700	0.0010	-2.5 to 2.5	Pass
				0	NV	0.600	0.0008	-2.5 to 2.5	Pass
				10	NV	0.800	0.0011	-2.5 to 2.5	Pass
				30	NV	0.000	0.0000	-2.5 to 2.5	Pass
				40	NV	-0.700	-0.0010	-2.5 to 2.5	Pass
				50	NV	-0.300	-0.0004	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

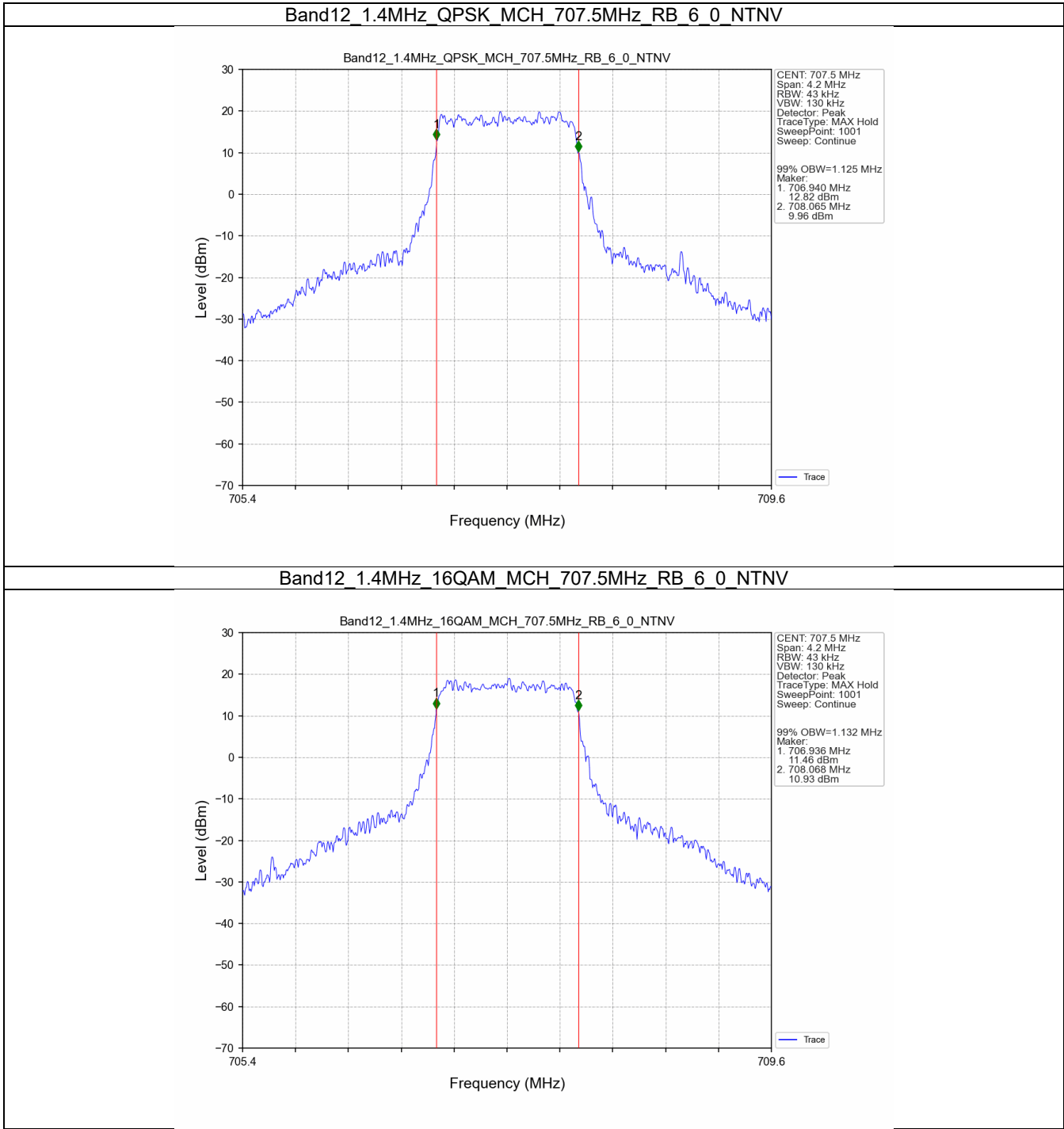
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.125	/	Pass
	16QAM	707.5	6	0	1.132	/	Pass
	64QAM	707.5	6	0	1.127	/	Pass
	256QAM	707.5	6	0	1.131	/	Pass
3	QPSK	707.5	15	0	2.741	/	Pass
	16QAM	707.5	15	0	2.742	/	Pass
	64QAM	707.5	15	0	2.740	/	Pass
	256QAM	707.5	15	0	2.754	/	Pass
5	QPSK	707.5	25	0	4.581	/	Pass
	16QAM	707.5	25	0	4.571	/	Pass
	64QAM	707.5	25	0	4.563	/	Pass
	256QAM	707.5	25	0	4.547	/	Pass
10	QPSK	707.5	50	0	9.068	/	Pass
	16QAM	707.5	50	0	9.084	/	Pass
	64QAM	707.5	50	0	9.099	/	Pass
	256QAM	707.5	50	0	9.078	/	Pass

3.1.2 Band12_XDB

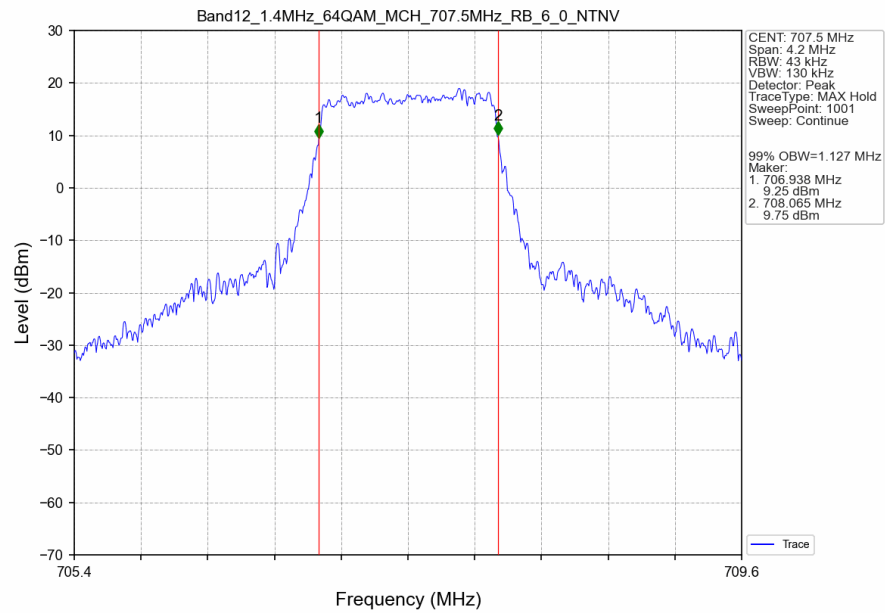
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.390	/	Pass
	16QAM	707.5	6	0	1.411	/	Pass
	64QAM	707.5	6	0	1.393	/	Pass
	256QAM	707.5	6	0	1.401	/	Pass
3	QPSK	707.5	15	0	3.112	/	Pass
	16QAM	707.5	15	0	3.165	/	Pass
	64QAM	707.5	15	0	3.106	/	Pass
	256QAM	707.5	15	0	3.099	/	Pass
5	QPSK	707.5	25	0	5.252	/	Pass
	16QAM	707.5	25	0	5.299	/	Pass
	64QAM	707.5	25	0	5.297	/	Pass
	256QAM	707.5	25	0	5.204	/	Pass
10	QPSK	707.5	50	0	10.148	/	Pass
	16QAM	707.5	50	0	10.236	/	Pass
	64QAM	707.5	50	0	10.219	/	Pass
	256QAM	707.5	50	0	10.247	/	Pass

3.2 Test Graph

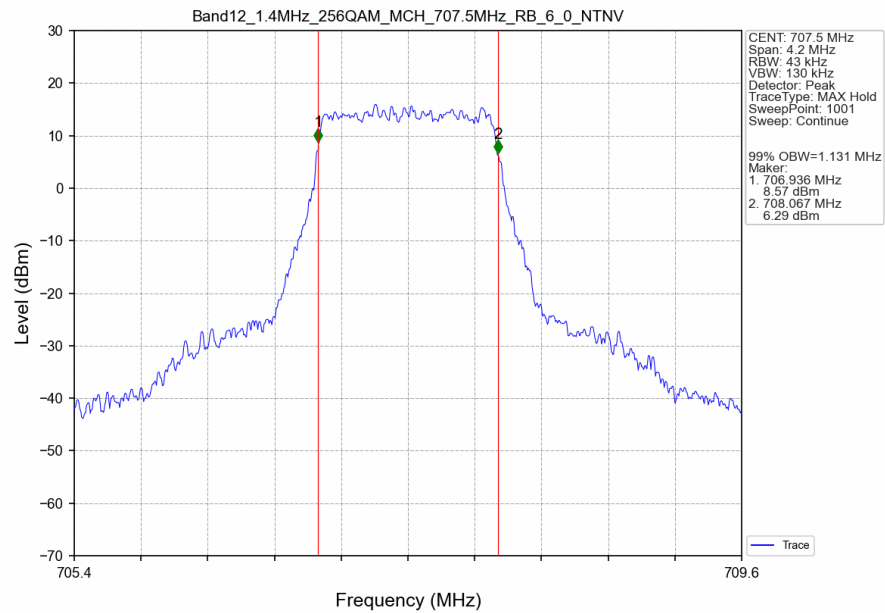
3.2.1 Band12_OBW



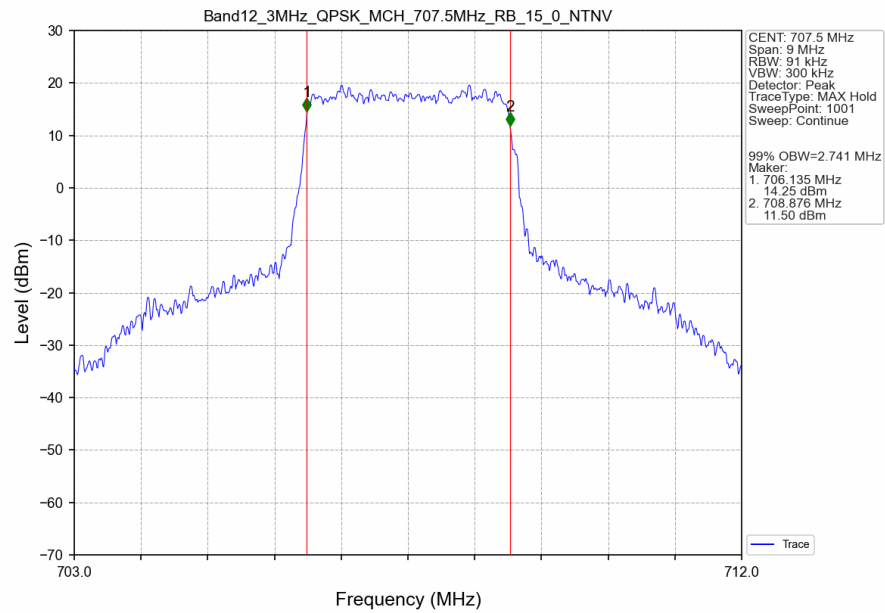
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTV



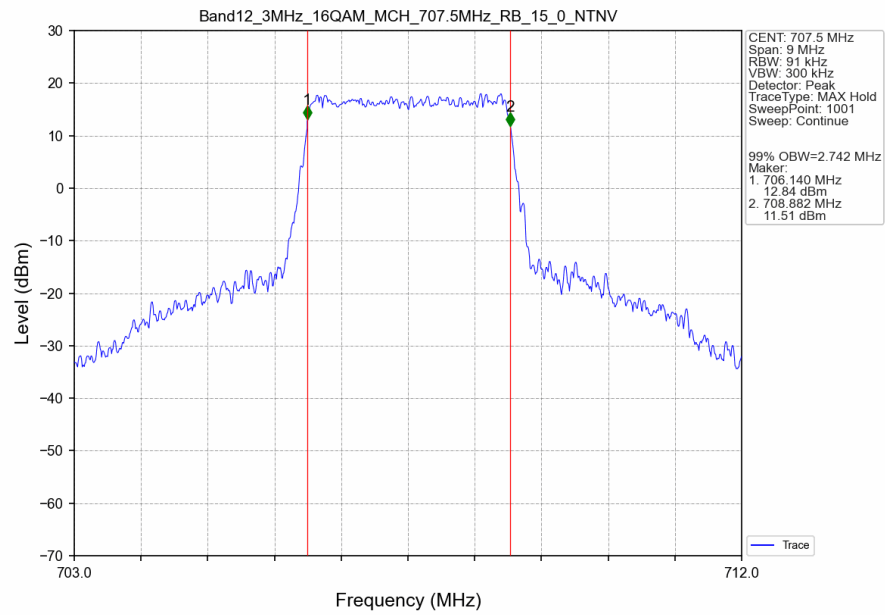
Band12 1.4MHz 256QAM MCH 707.5MHz RB 6 0 NTV



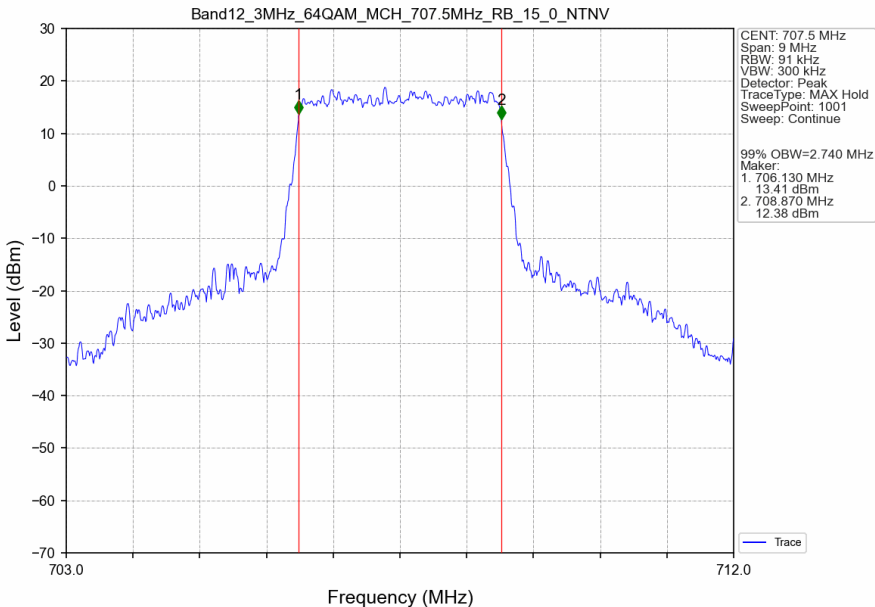
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



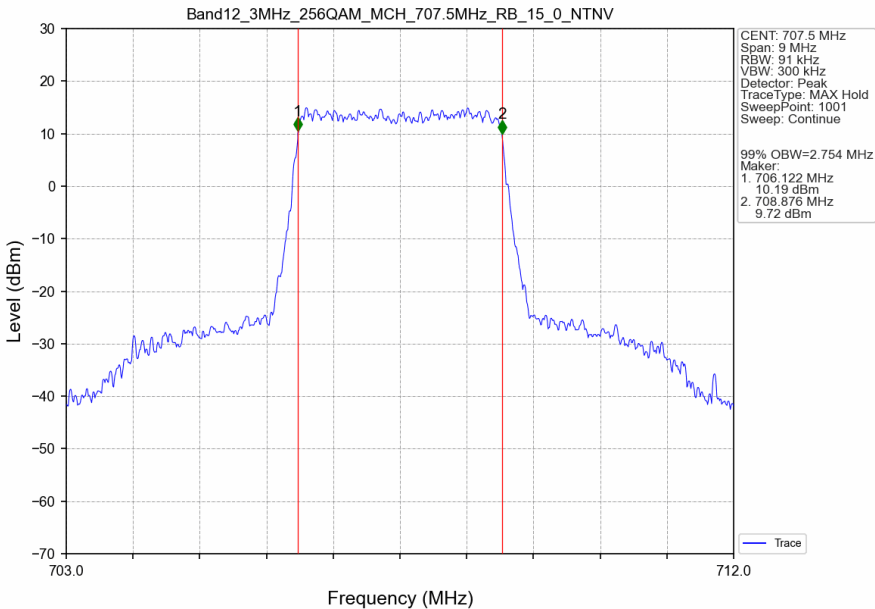
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



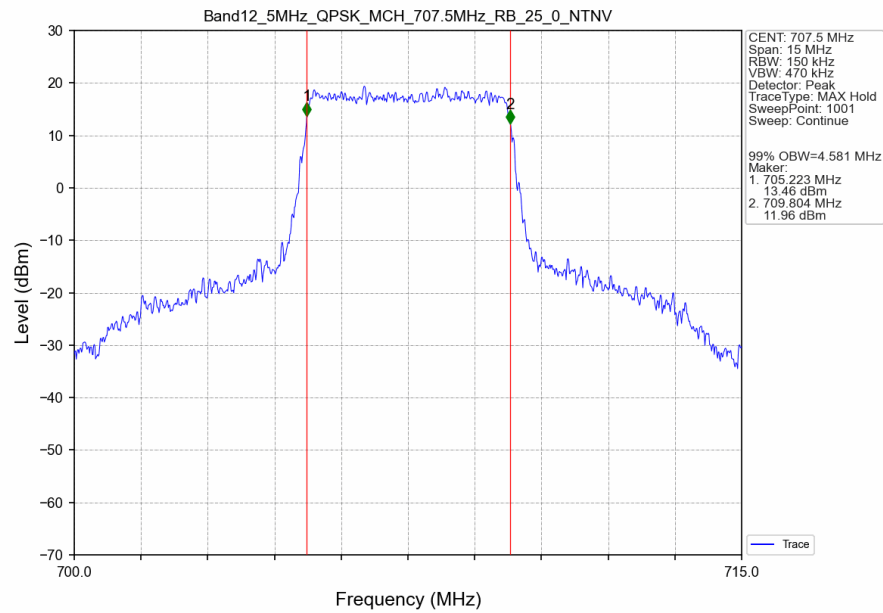
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTN



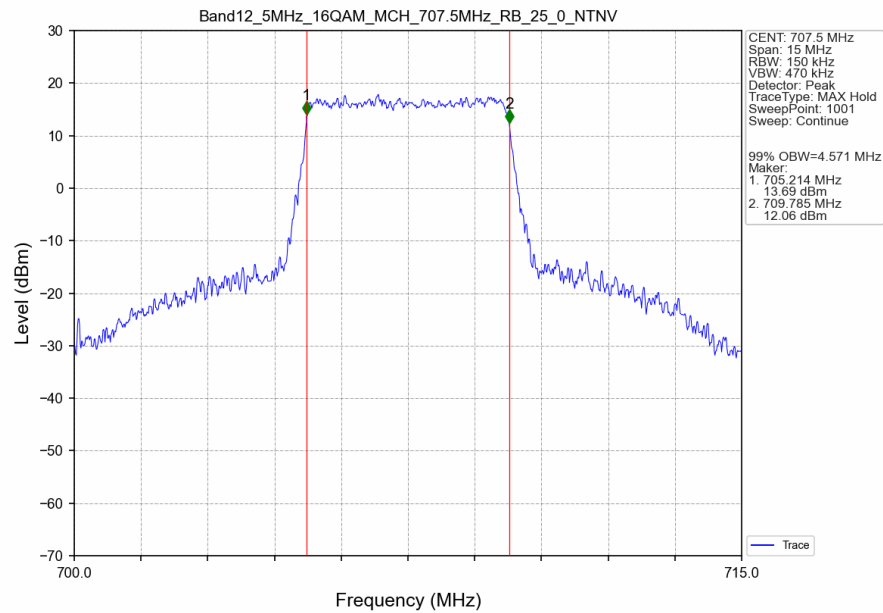
Band12 3MHz 256QAM MCH 707.5MHz RB 15 0 NTN



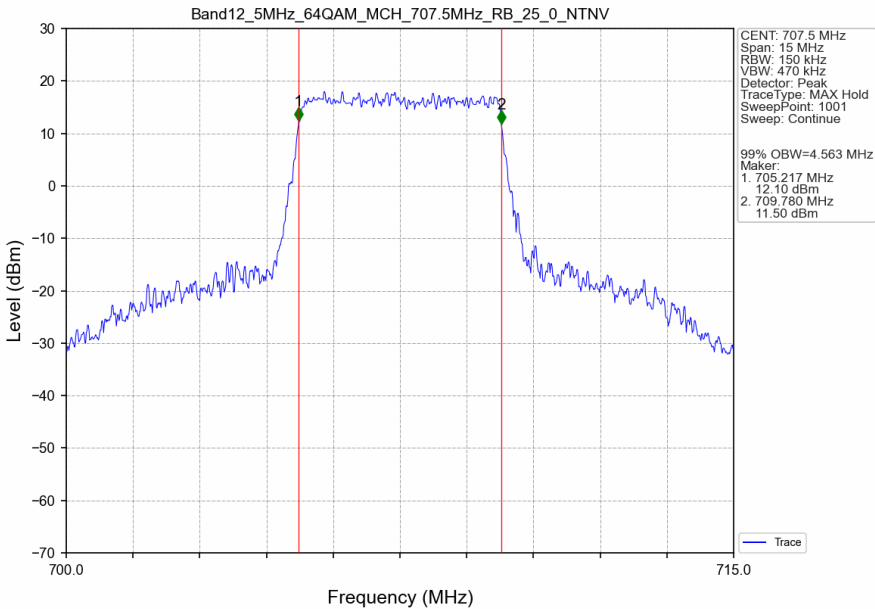
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTV



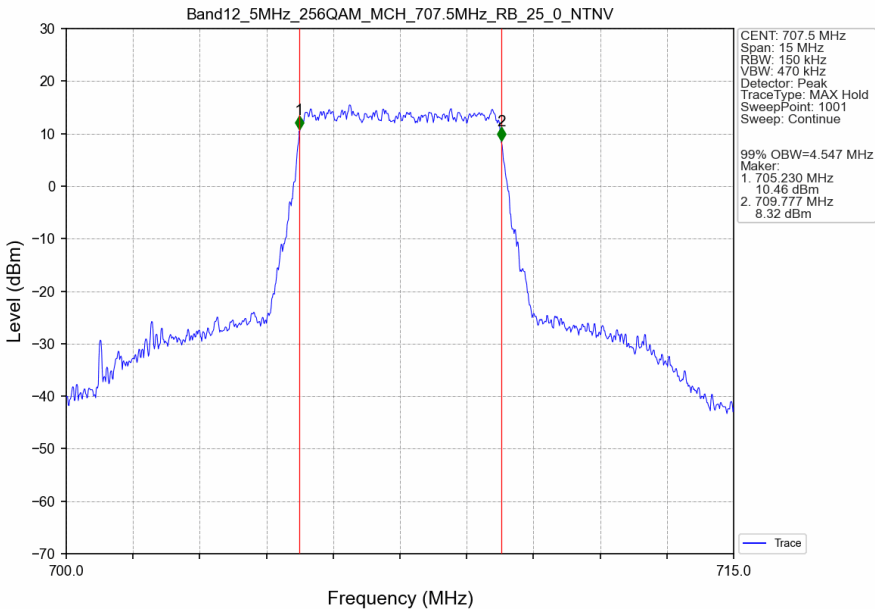
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTV



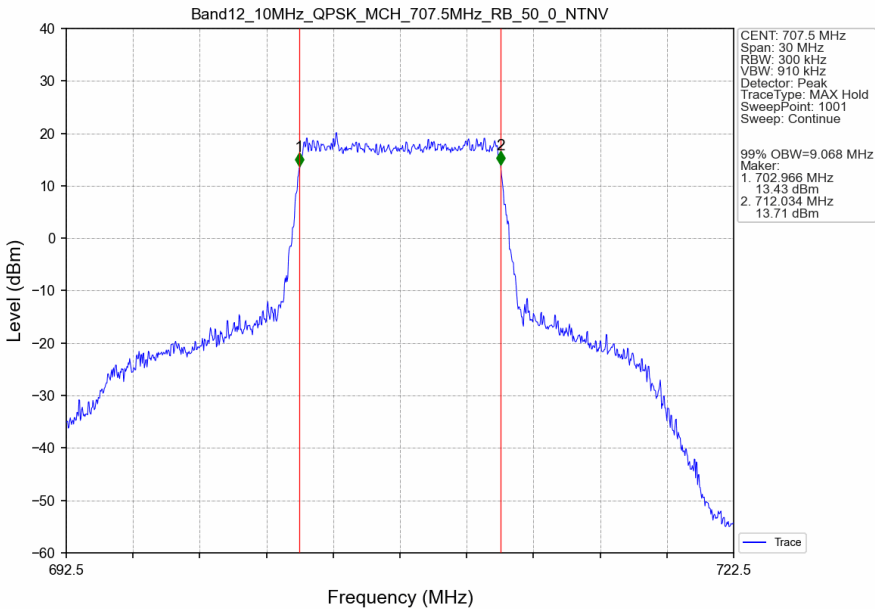
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTNV



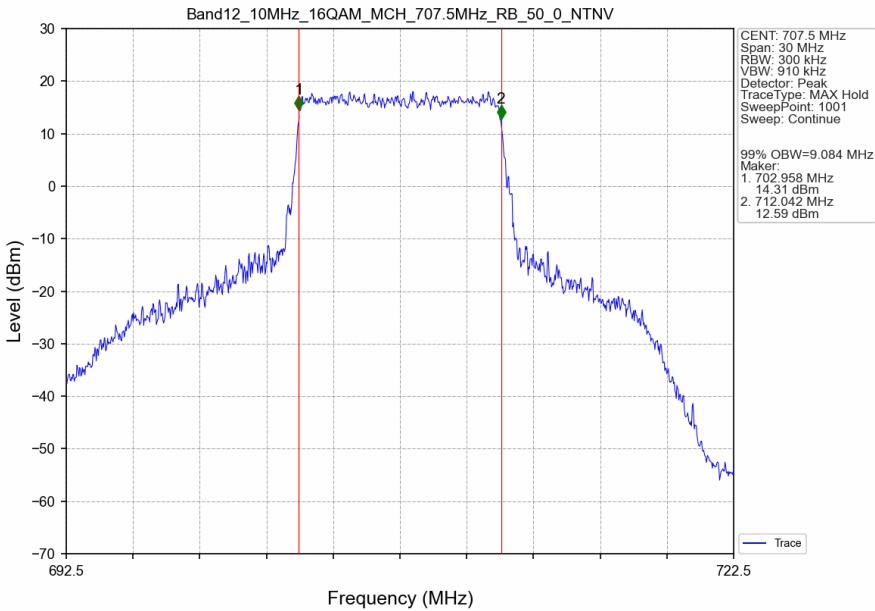
Band12 5MHz 256QAM MCH 707.5MHz RB 25 0 NTNV



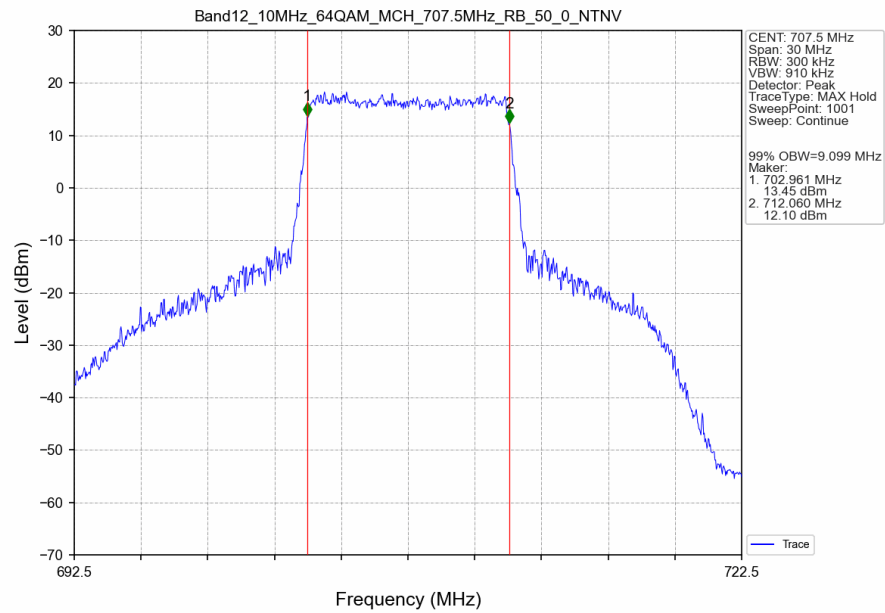
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTV



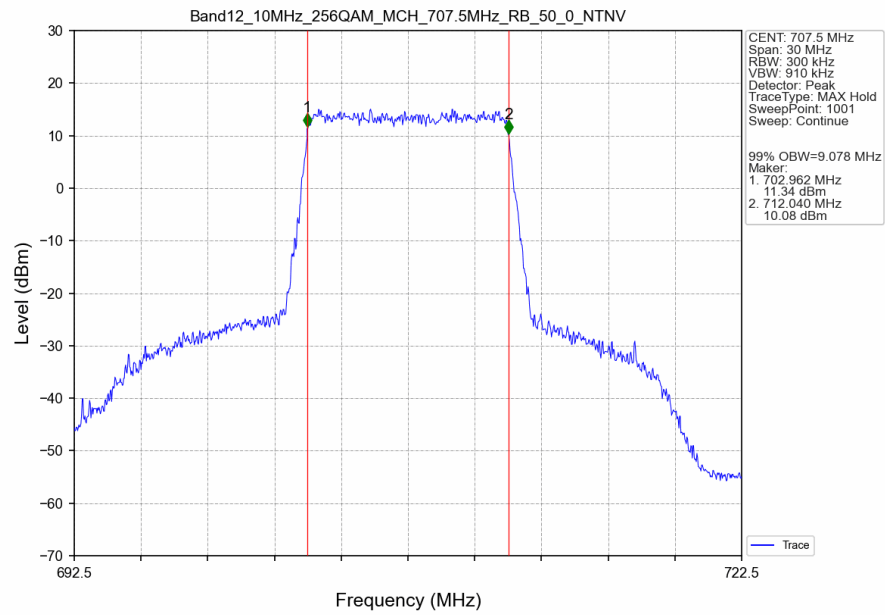
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTV



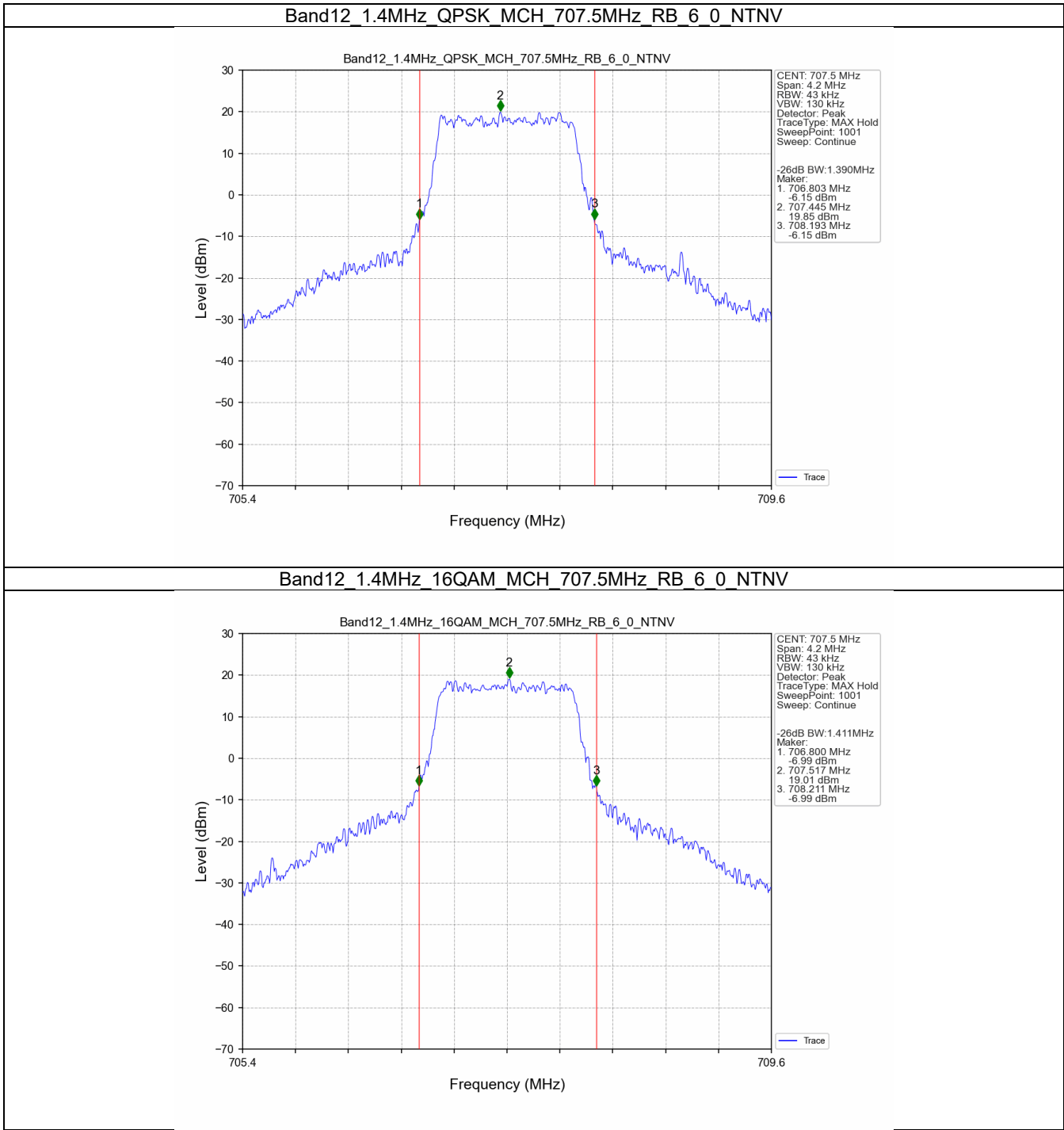
Band12 10MHz 64QAM MCH 707.5MHz RB 50 0 NTN



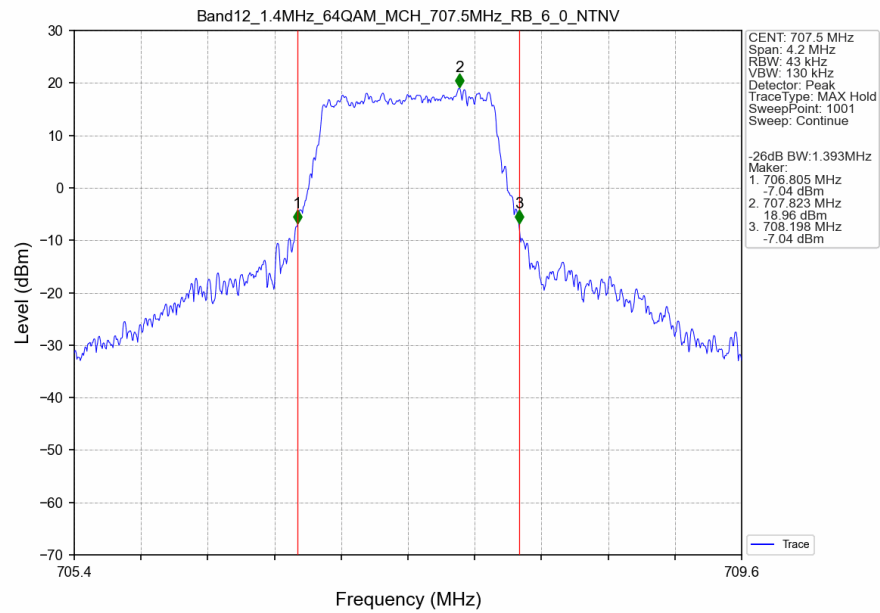
Band12 10MHz 256QAM MCH 707.5MHz RB 50 0 NTN



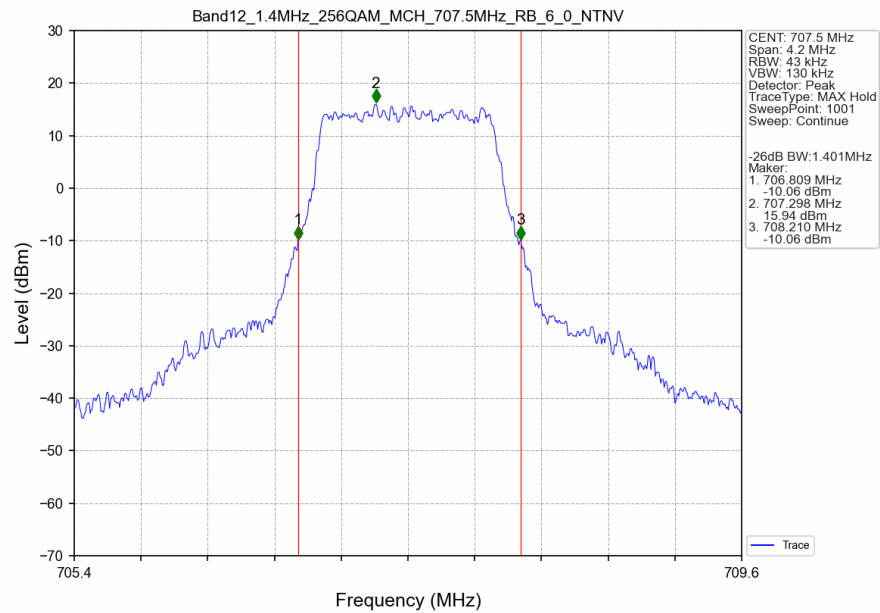
3.2.2 Band12_XDB



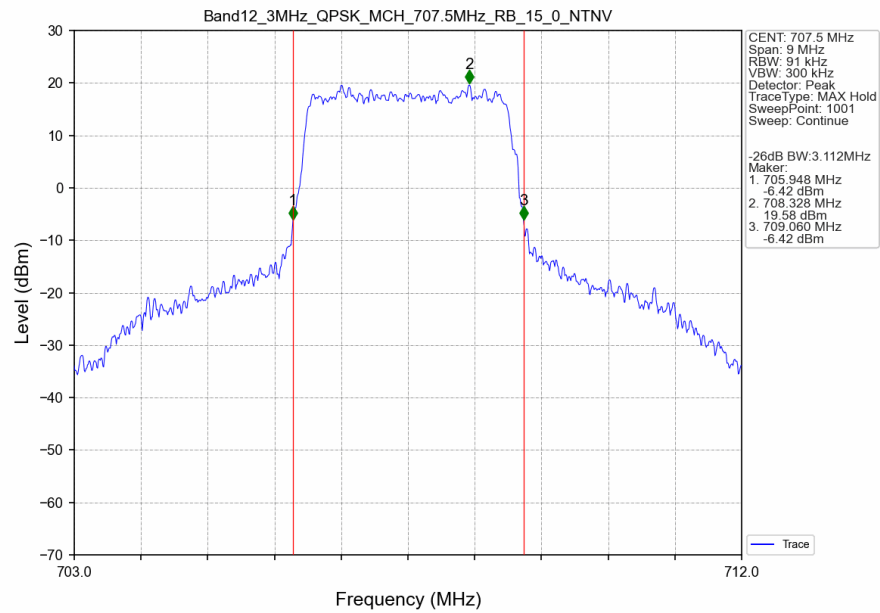
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTV



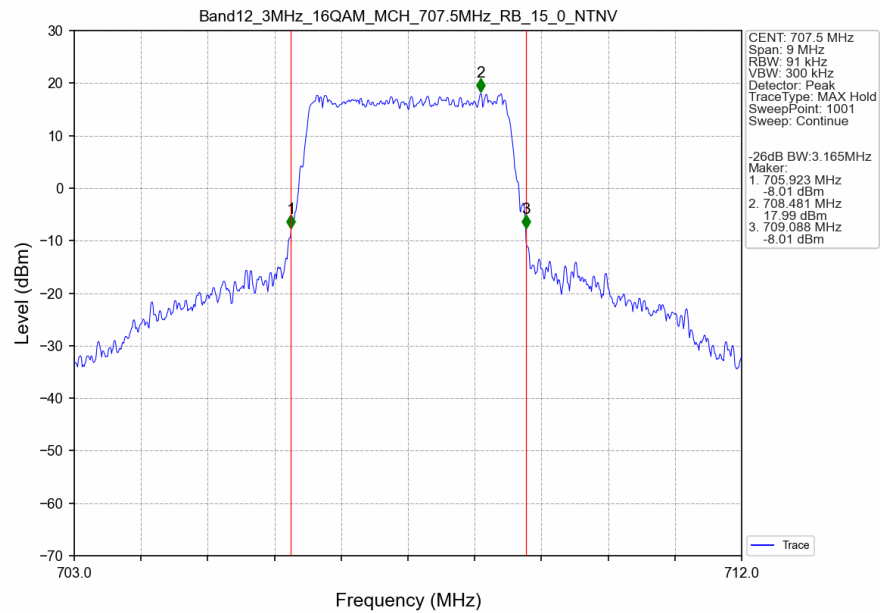
Band12 1.4MHz 256QAM MCH 707.5MHz RB 6 0 NTV



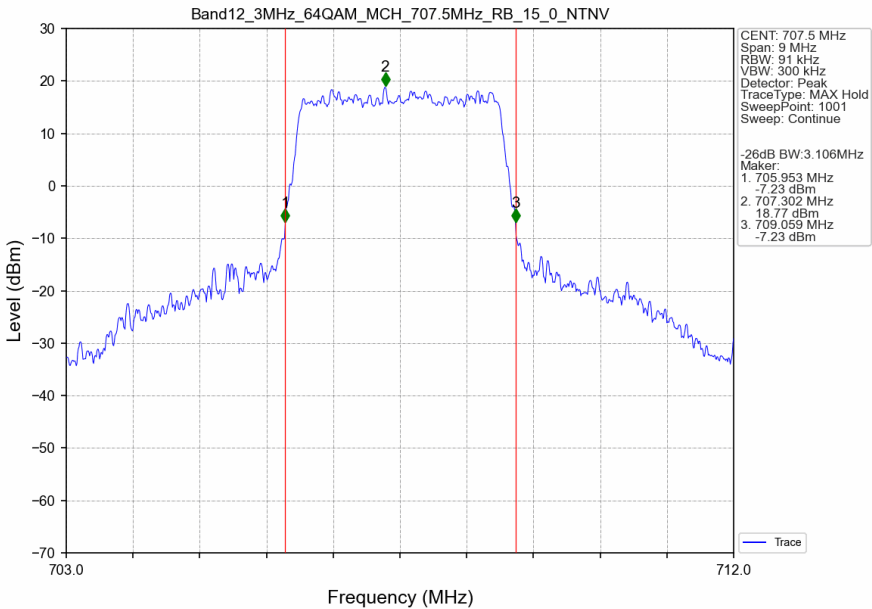
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTV



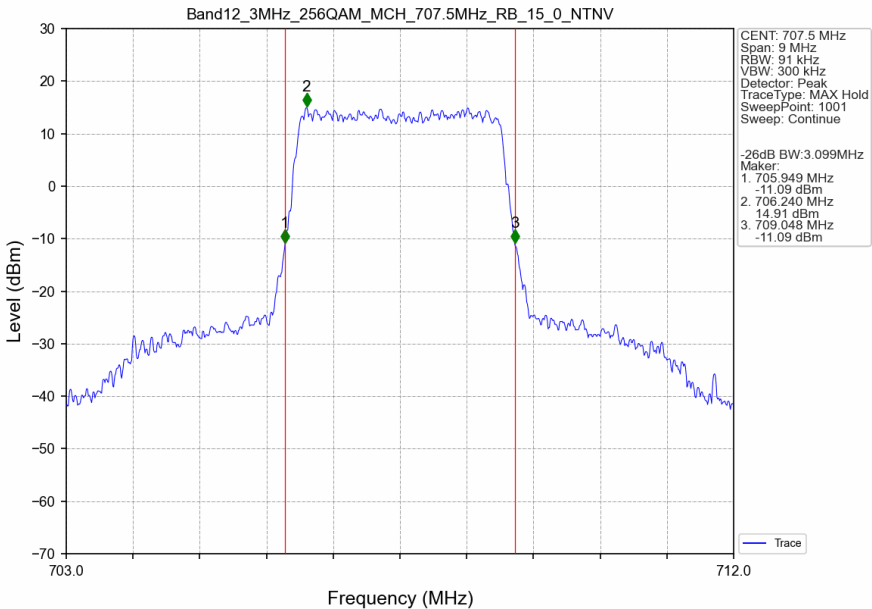
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTV



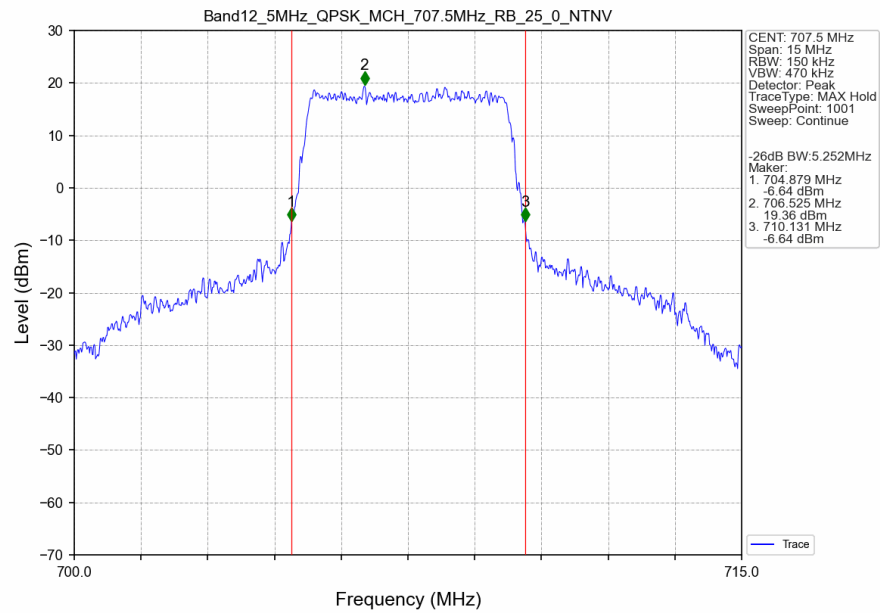
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTNV



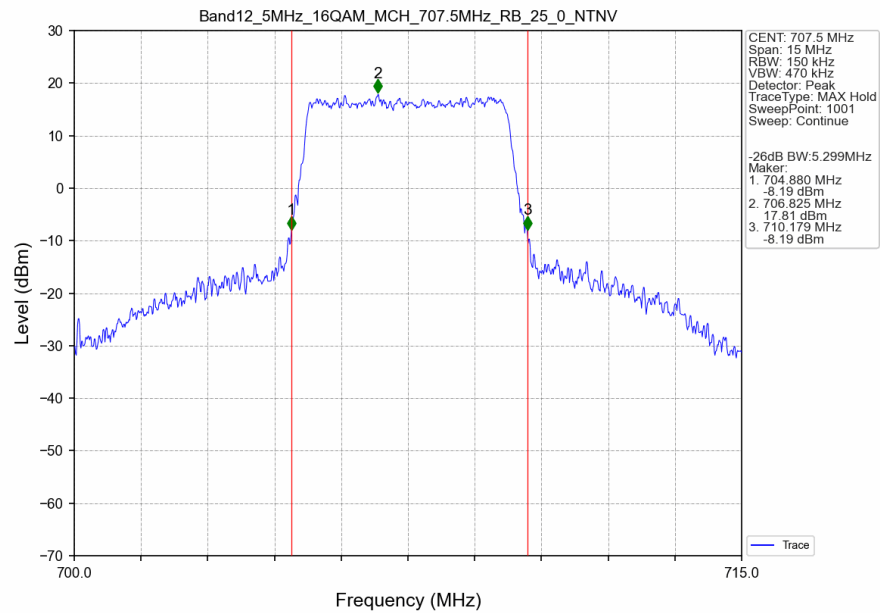
Band12 3MHz 256QAM MCH 707.5MHz RB 15 0 NTNV



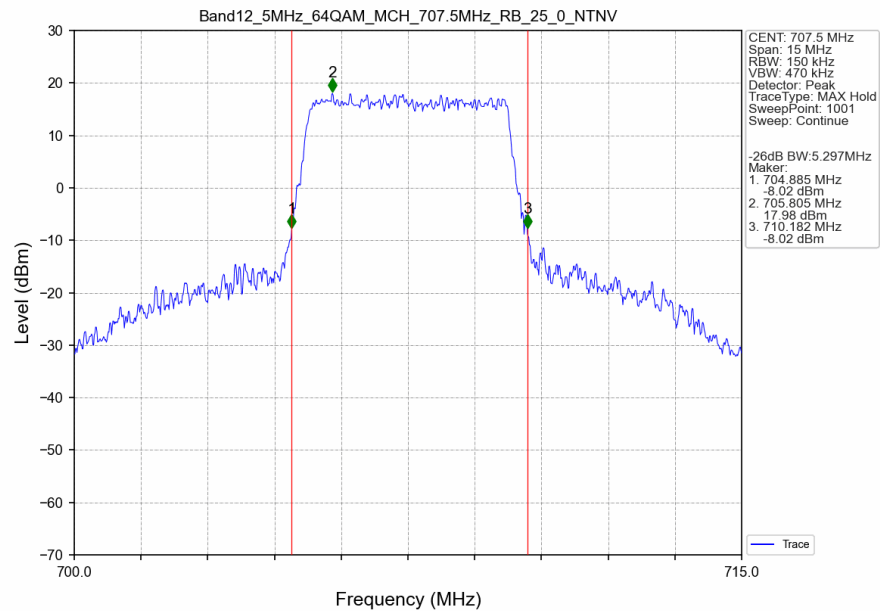
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTV



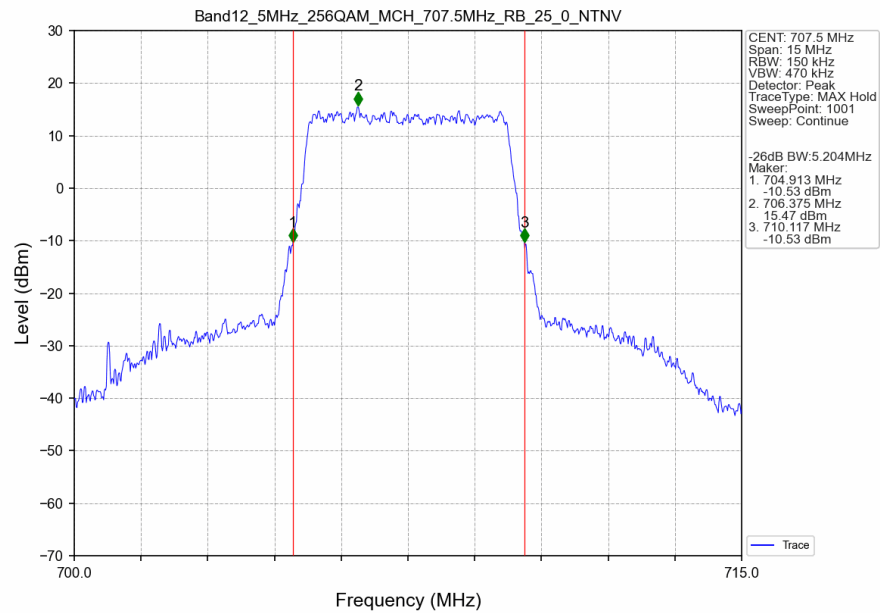
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTV



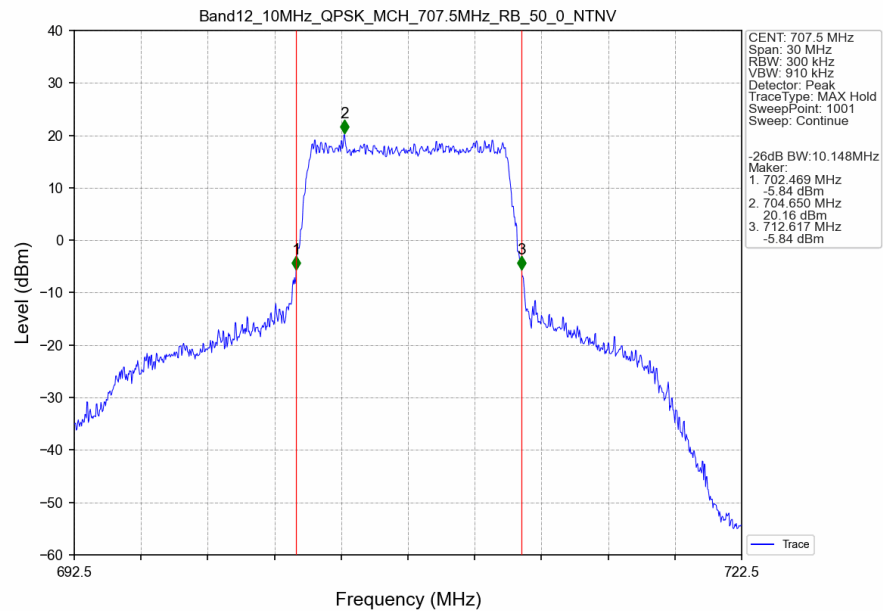
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTNV



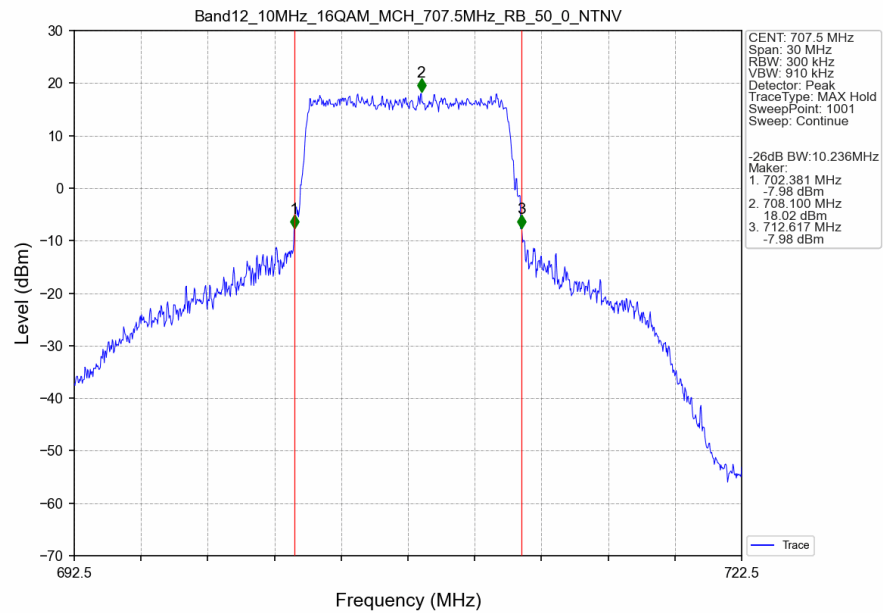
Band12 5MHz 256QAM MCH 707.5MHz RB 25 0 NTNV



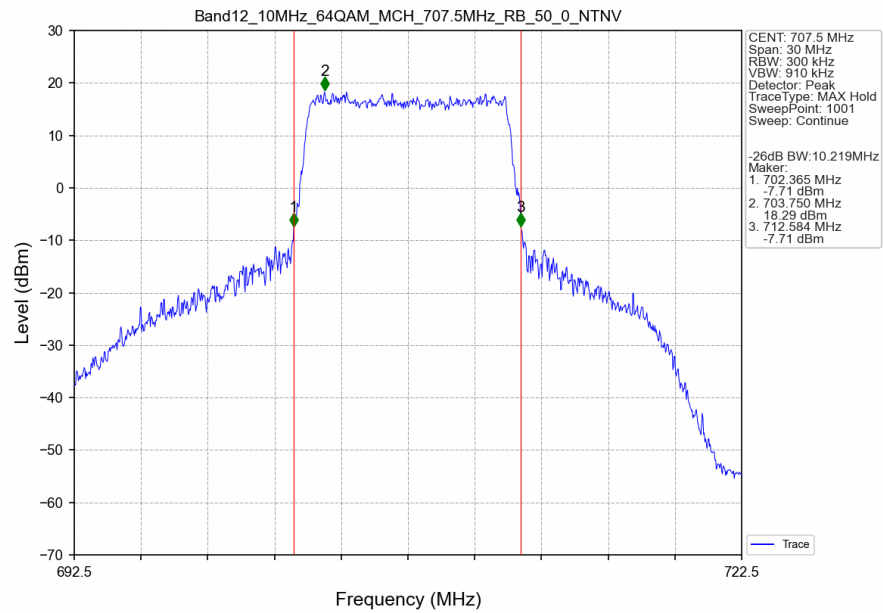
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTV



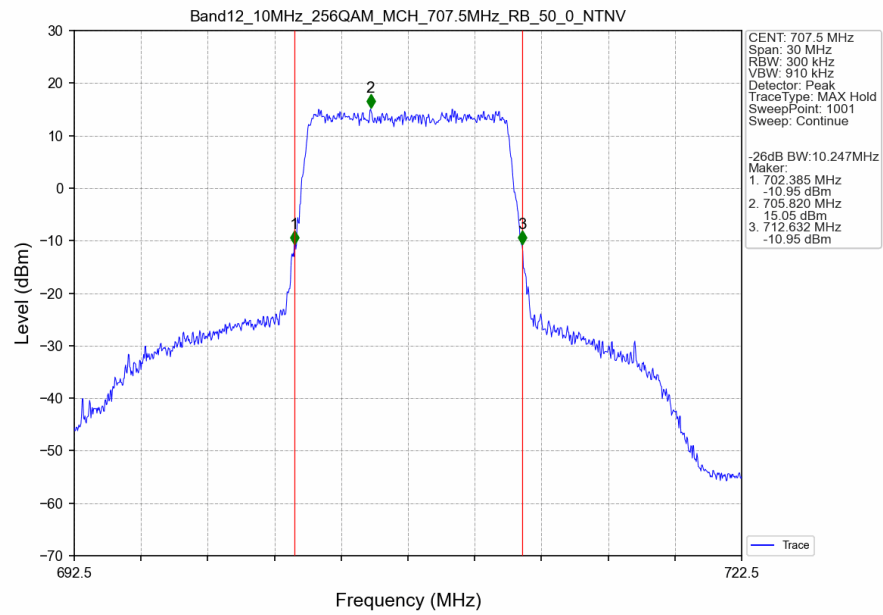
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTV



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



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



4. Peak-Average Ratio

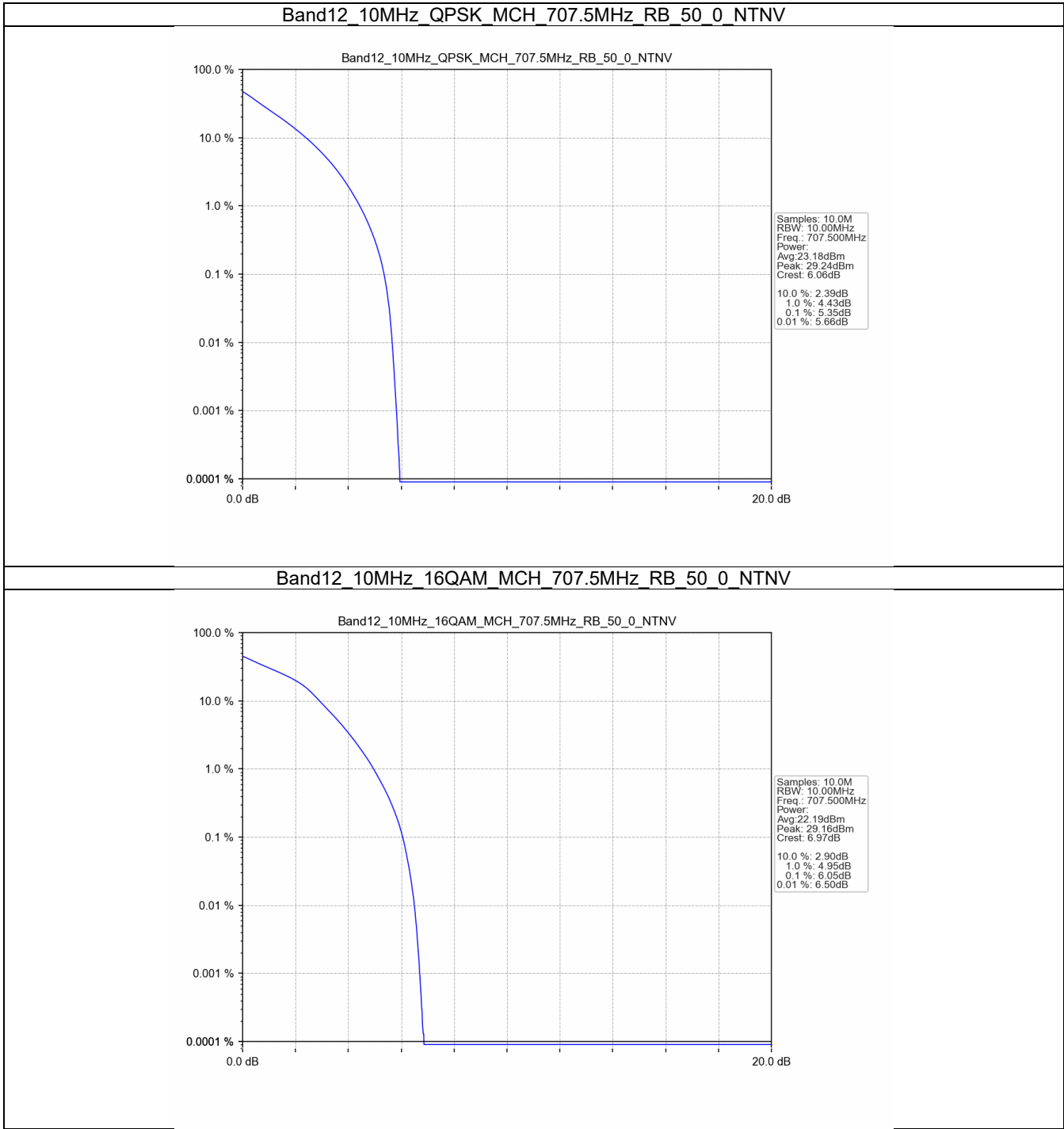
4.1 Test Result

4.1.1 B12_10MHz

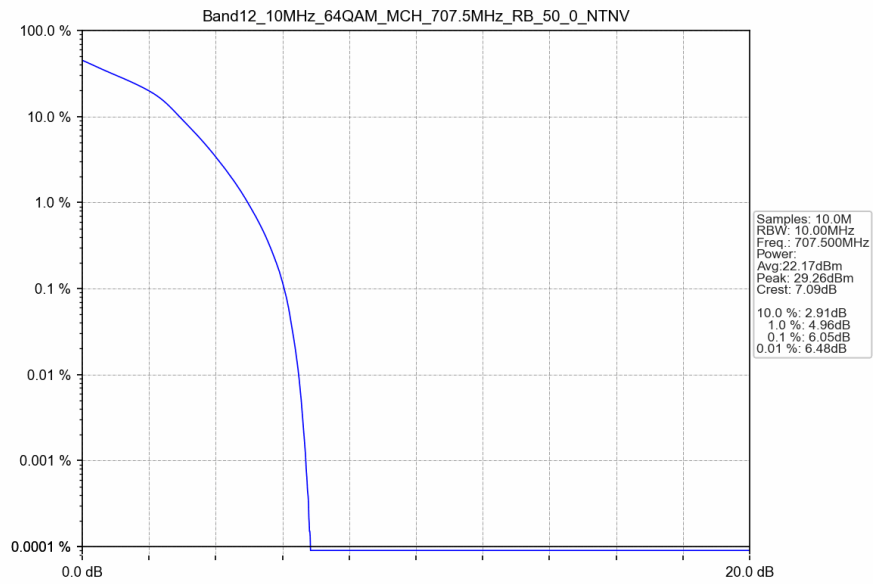
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.35	<=13	Pass
16QAM	707.5	50	0	6.05	<=13	Pass
64QAM	707.5	50	0	6.05	<=13	Pass
256QAM	707.5	50	0	6.65	<=13	Pass

4.2 Test Graph

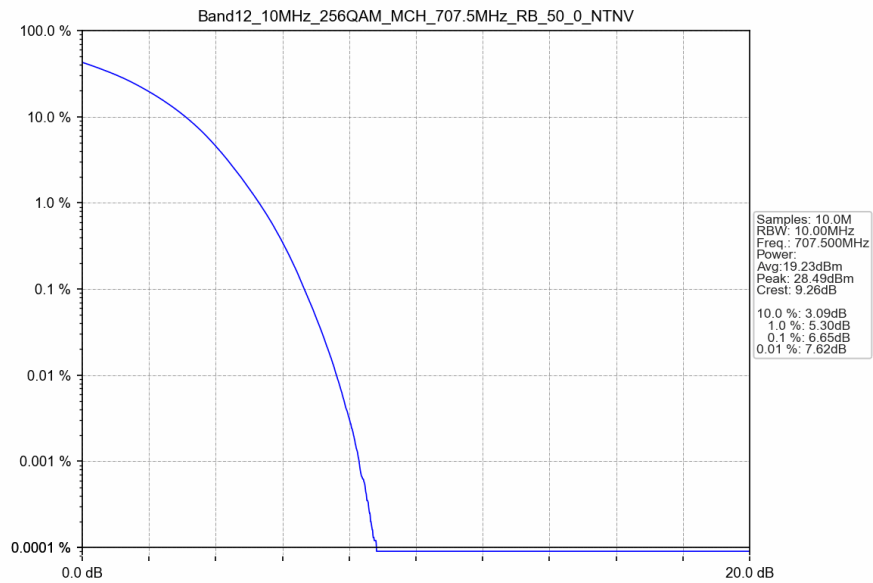
4.2.1 B12_10MHz



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

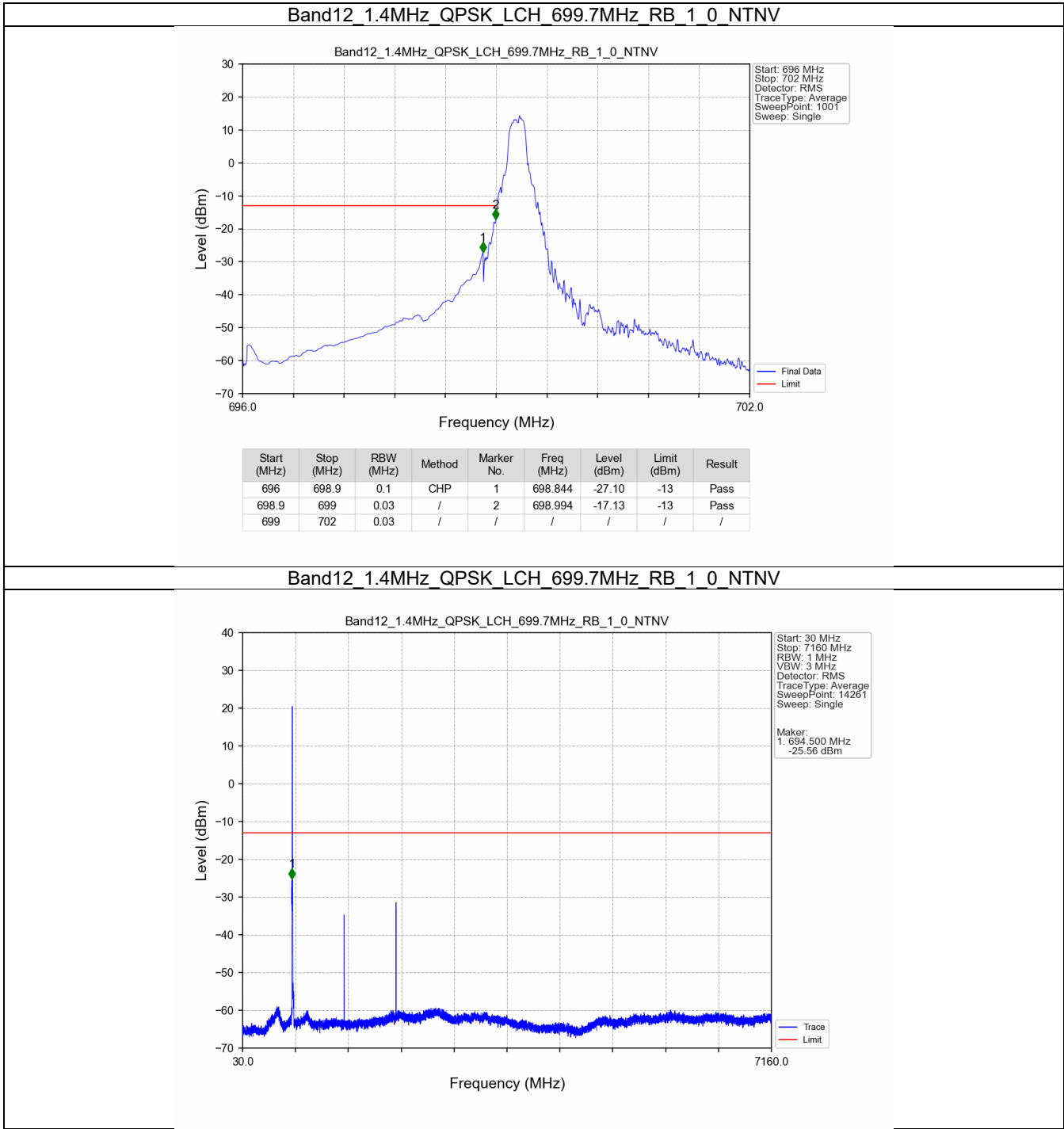
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B12_10MHz

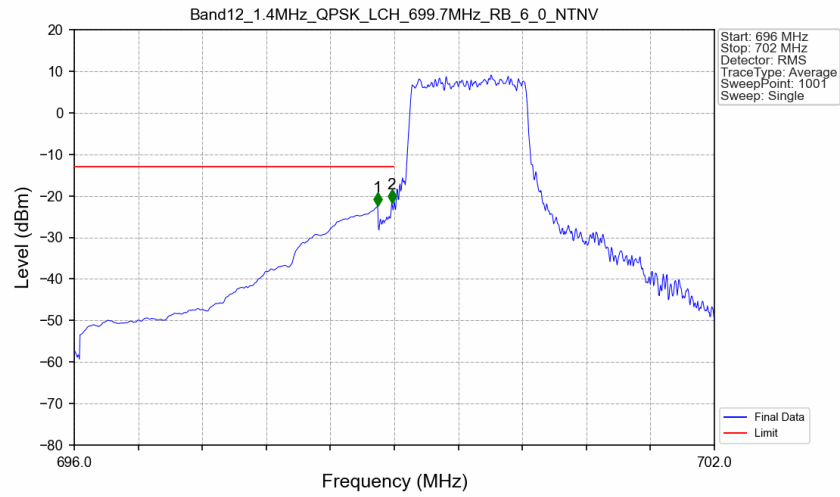
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B12_1.4MHz

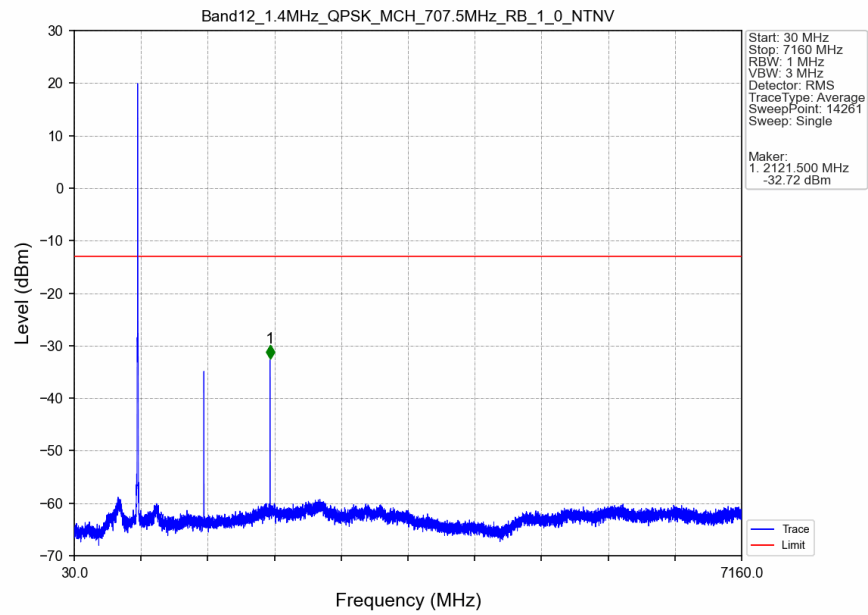


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV

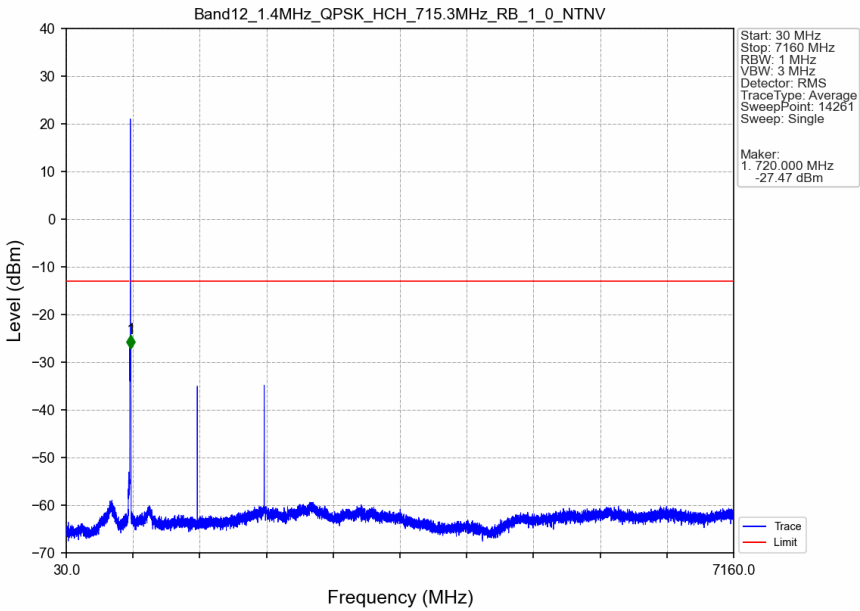


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-22.46	-13	Pass
698.9	699	0.03	/	2	698.976	-21.66	-13	Pass
699	702	0.03	/	/	/	/	/	/

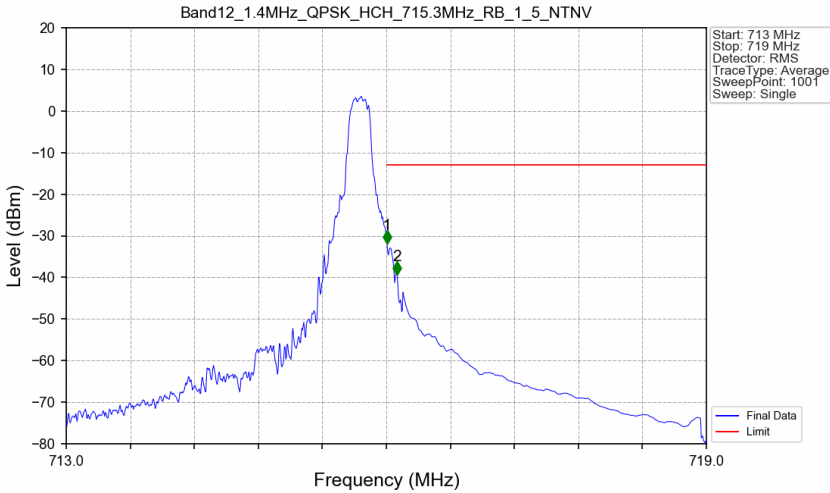
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV



Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV

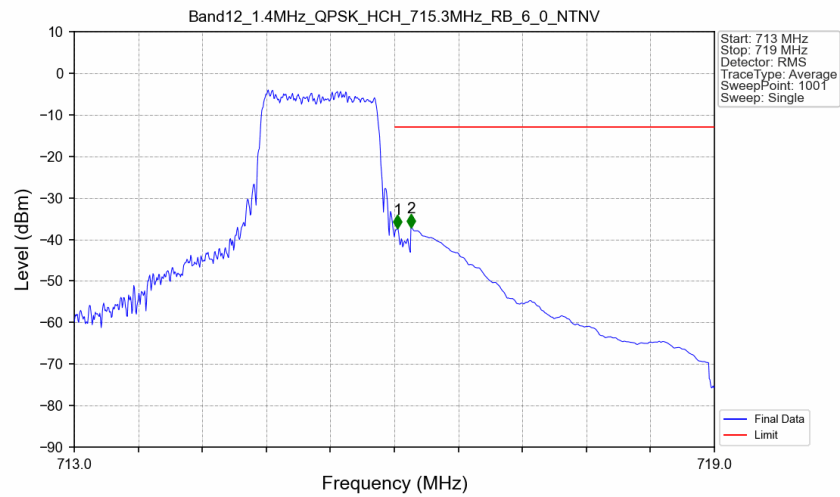


Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTV



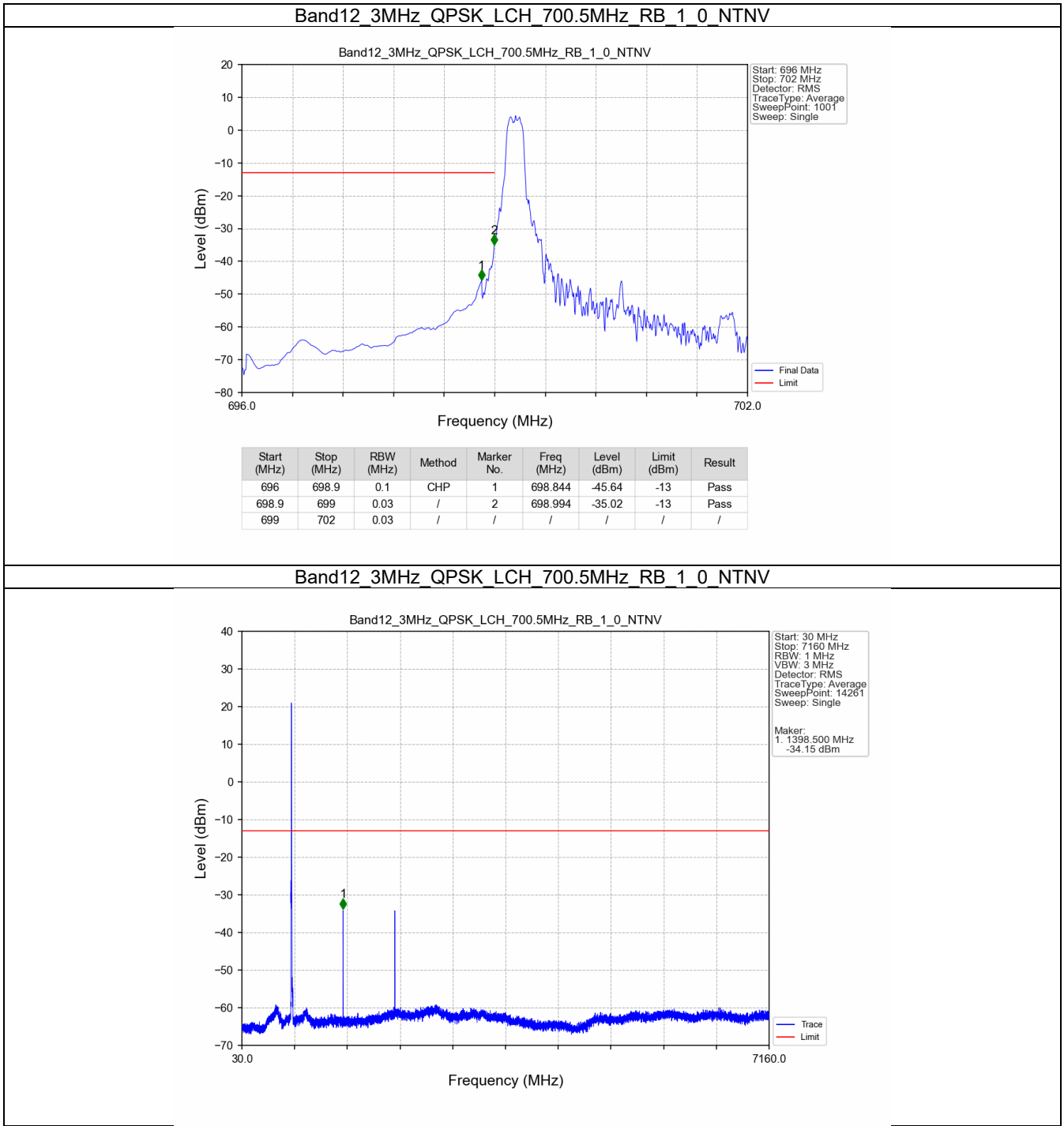
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-31.90	-13	Pass
716.1	719	0.1	CHP	2	716.102	-39.40	-13	Pass

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV

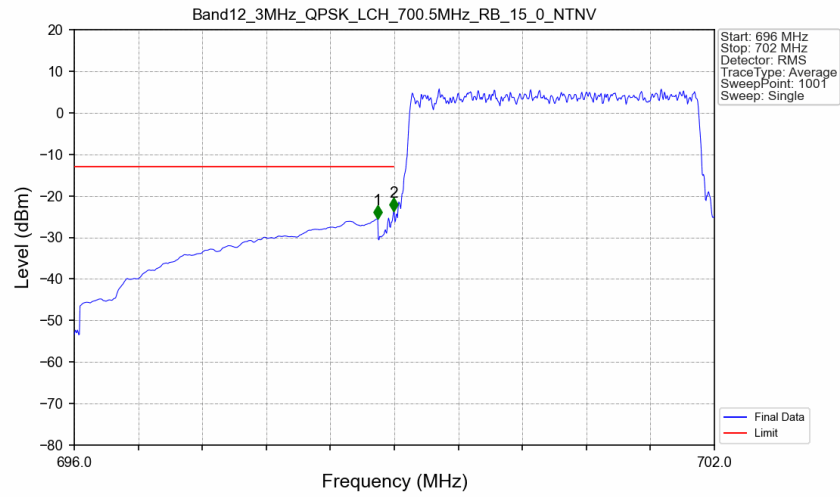


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-37.23	-13	Pass
716.1	719	0.1	CHP	2	716.156	-37.03	-13	Pass

5.2.2 B12_3MHz

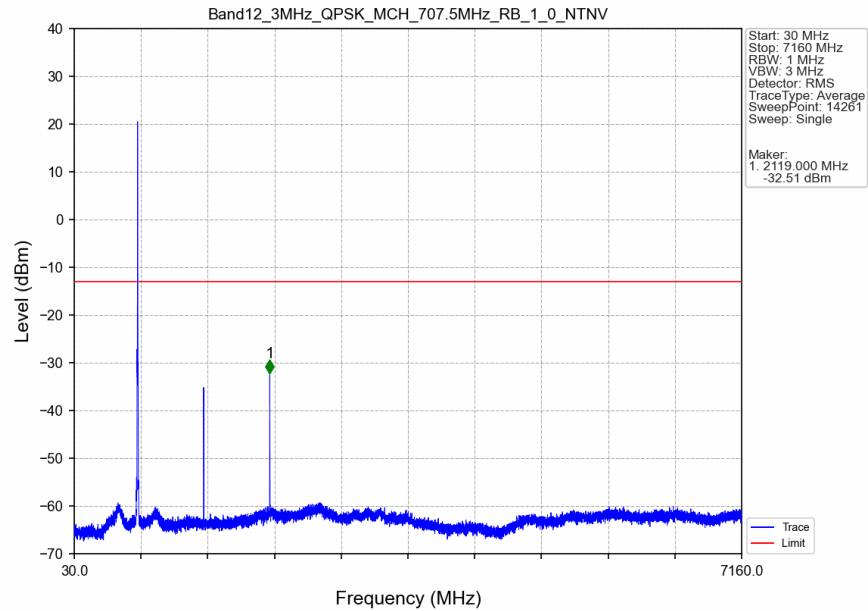


Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV

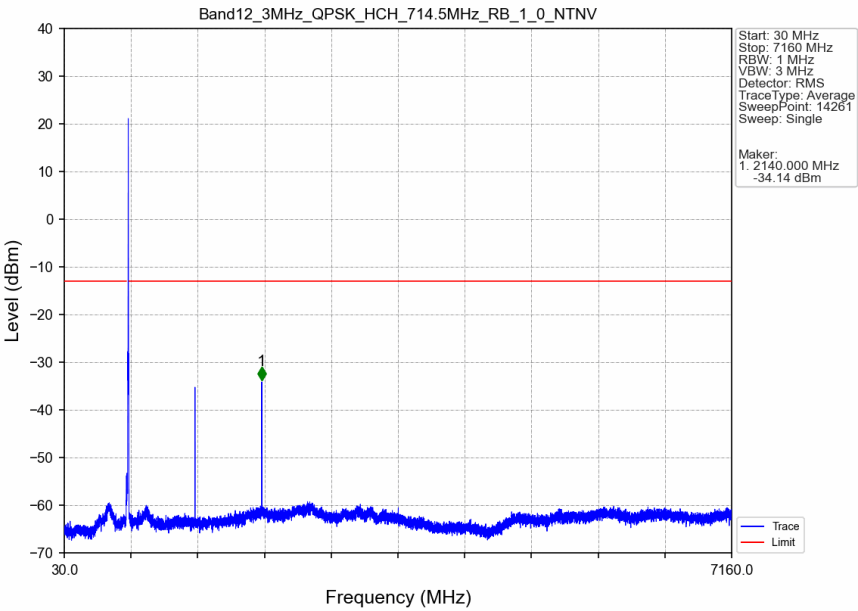


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-25.42	-13	Pass
698.9	699	0.03	/	2	698.994	-23.65	-13	Pass
699	702	0.03	/	/	/	/	/	/

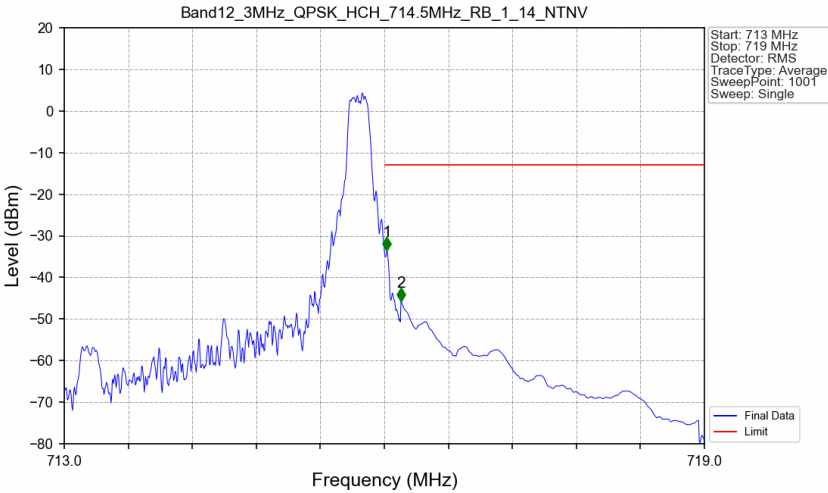
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTN

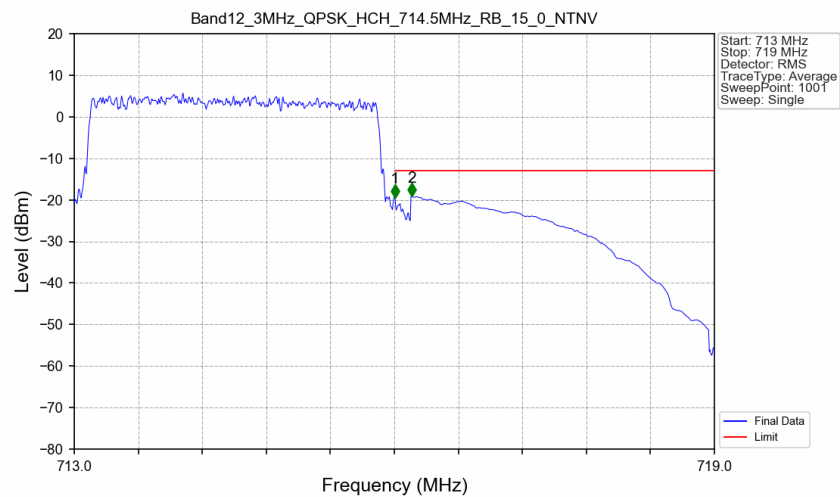


Band12 3MHz QPSK HCH 714.5MHz RB 1 14 NTN



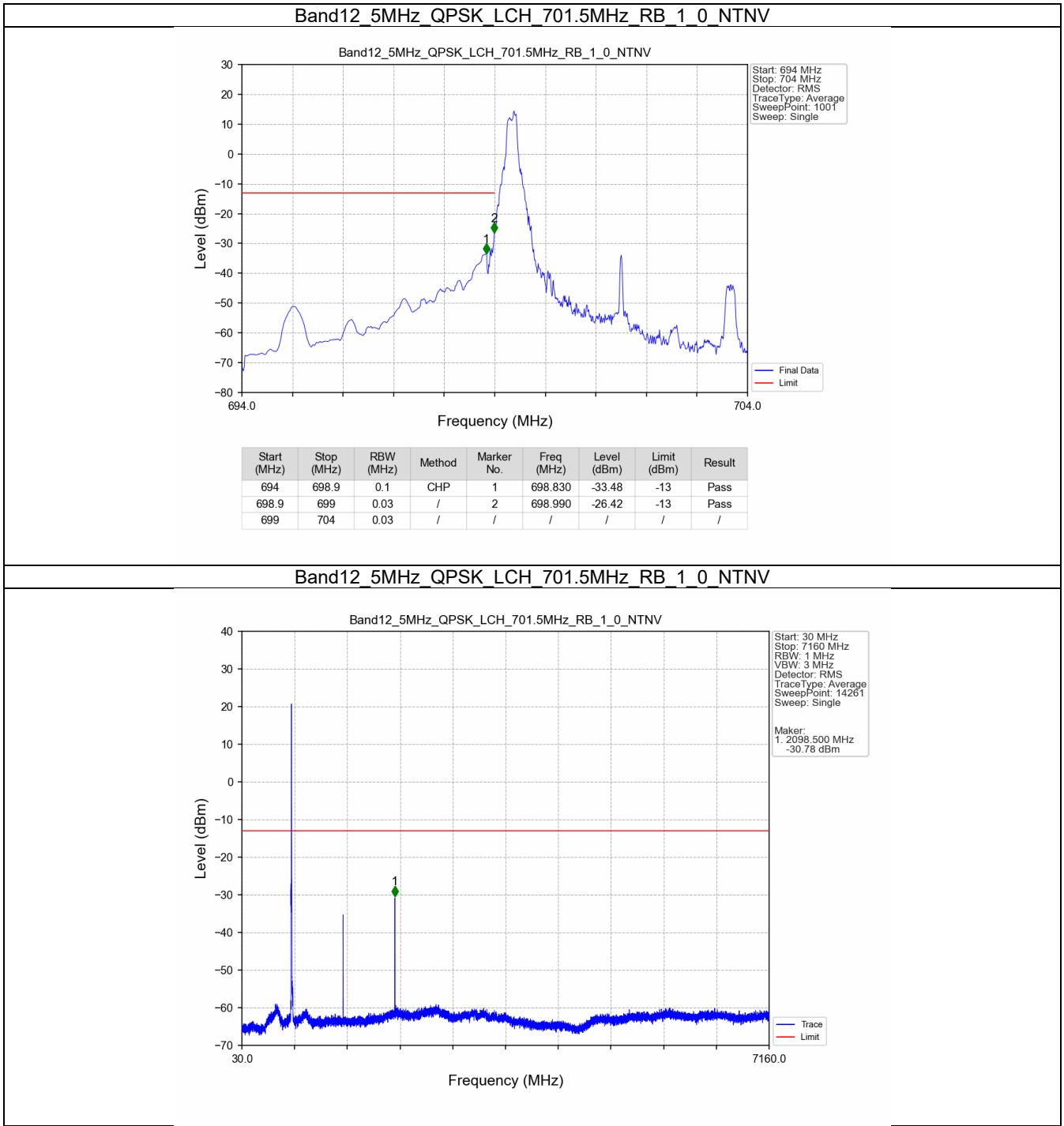
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.024	-33.54	-13	Pass
716.1	719	0.1	CHP	2	716.156	-45.76	-13	Pass

Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV

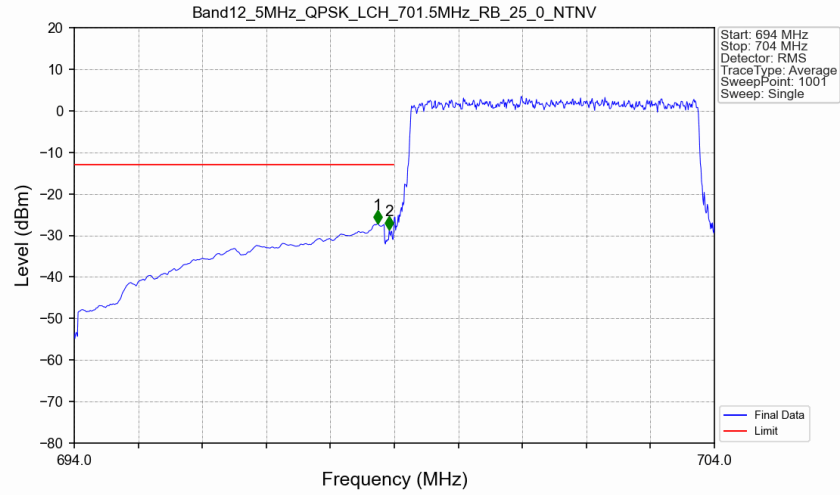


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-19.38	-13	Pass
716.1	719	0.1	CHP	2	716.162	-19.18	-13	Pass

5.2.3 B12_5MHz

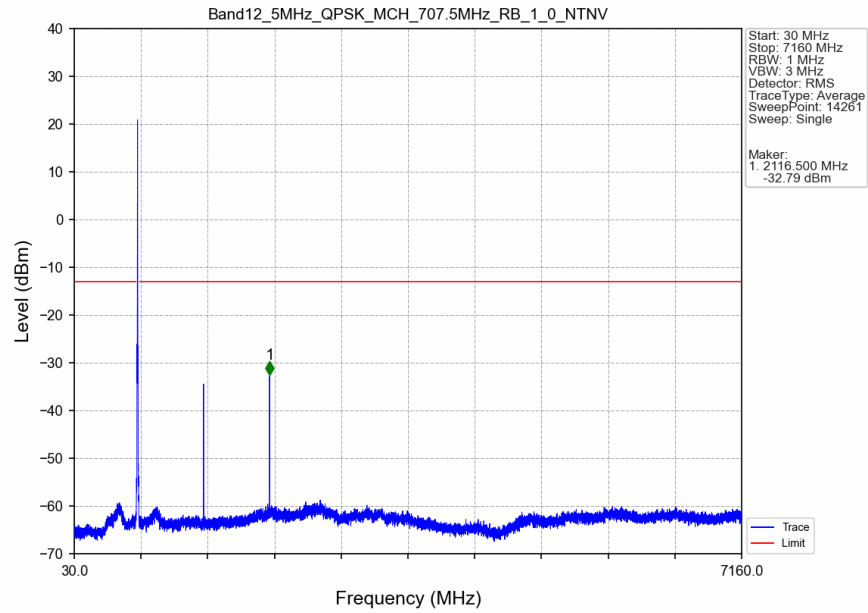


Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV

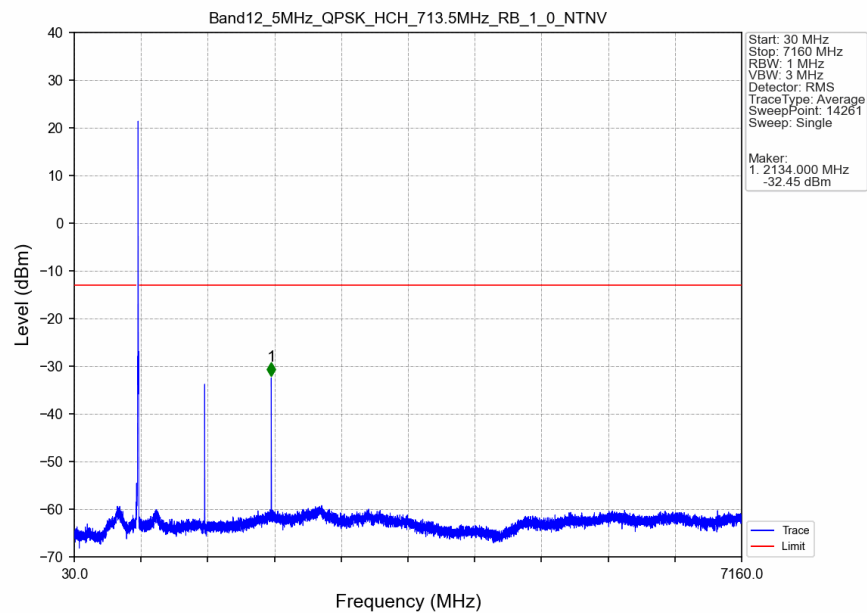


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.740	-27.20	-13	Pass
698.9	699	0.03	/	2	698.920	-28.62	-13	Pass
699	704	0.03	/	/	/	/	/	/

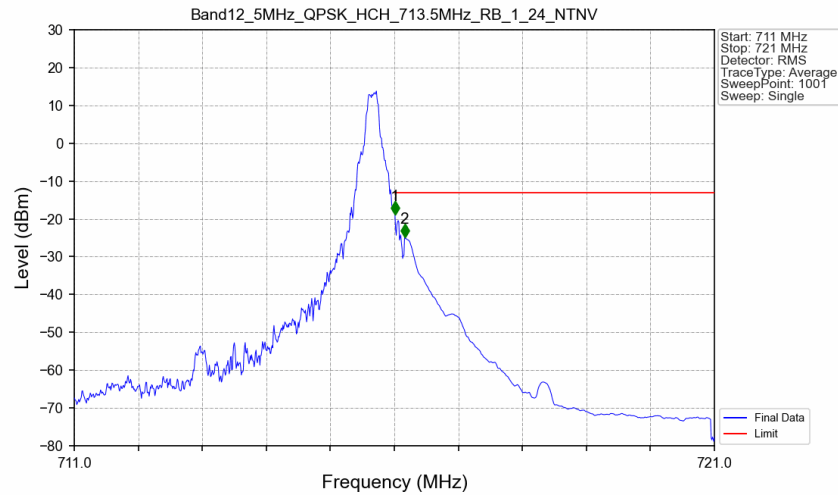
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTN

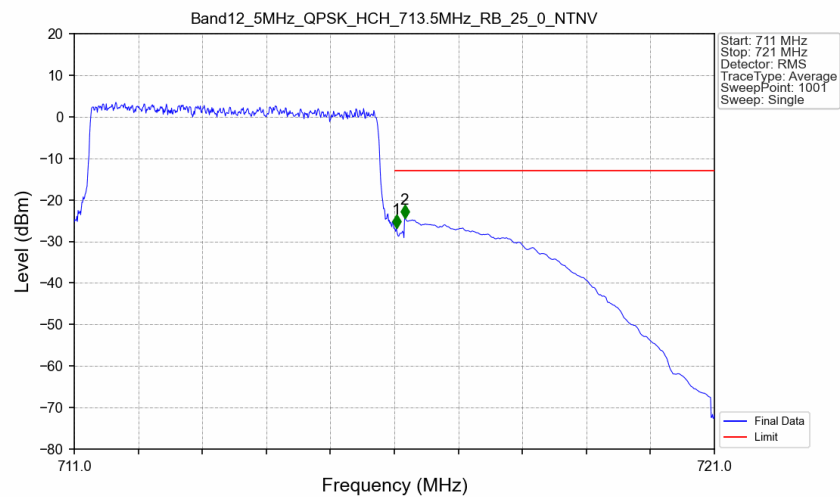


Band12 5MHz QPSK HCH 713.5MHz RB 1 24 NTN



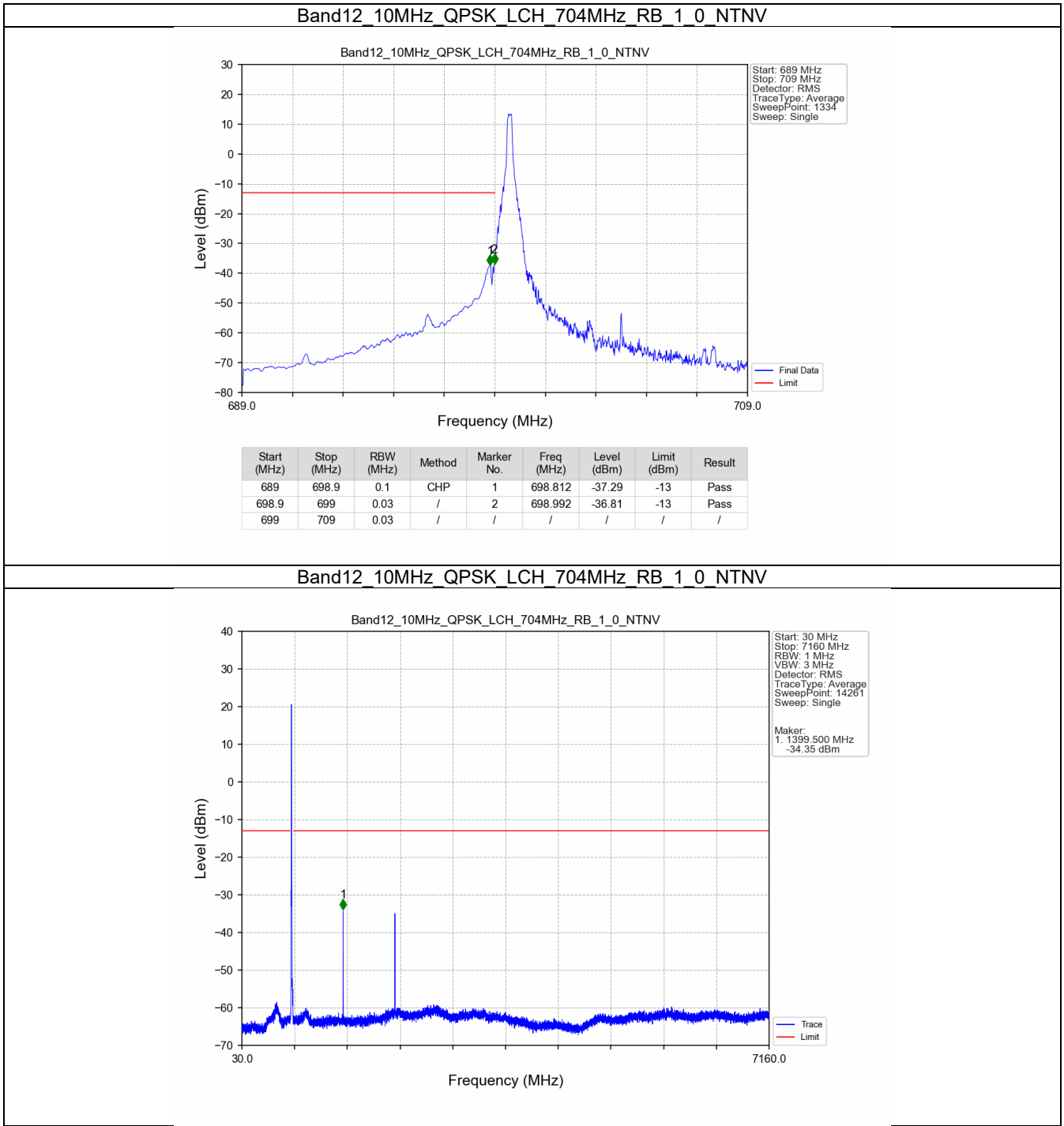
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-18.91	-13	Pass
716.1	721	0.1	CHP	2	716.160	-24.86	-13	Pass

Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTN

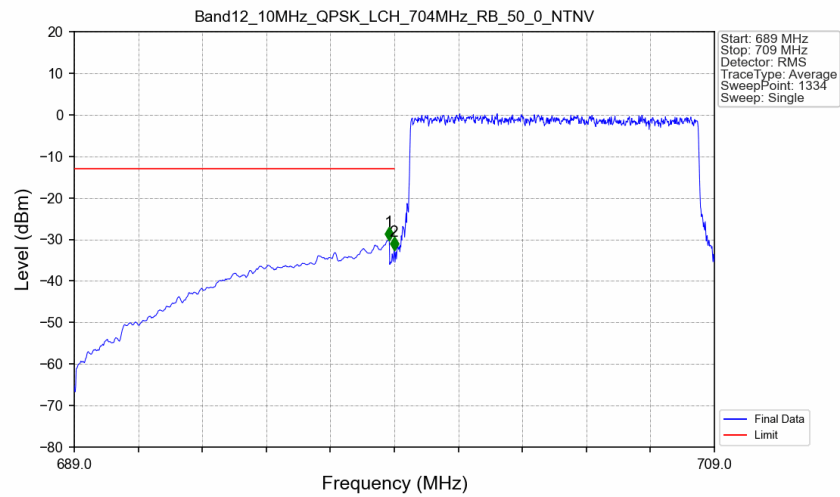


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-26.81	-13	Pass
716.1	721	0.1	CHP	2	716.160	-24.32	-13	Pass

5.2.4 B12_10MHz

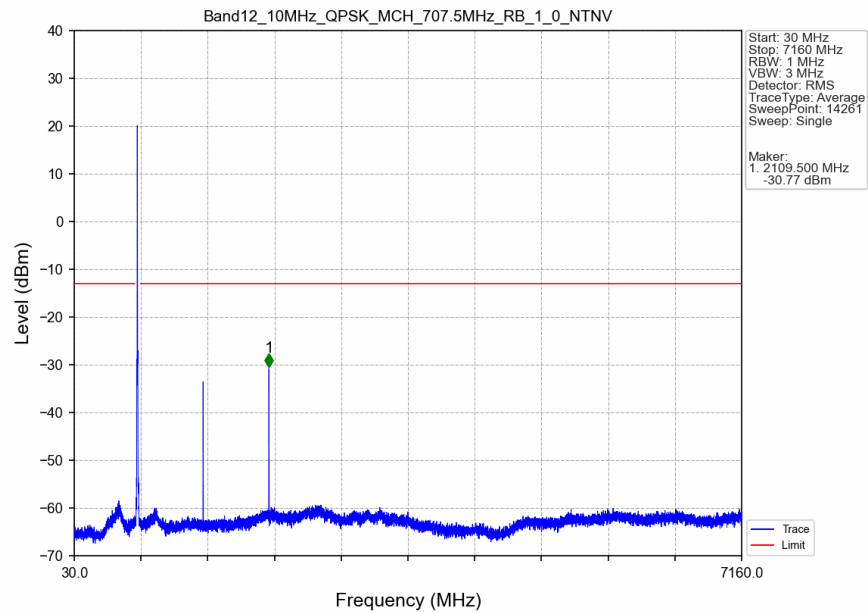


Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV

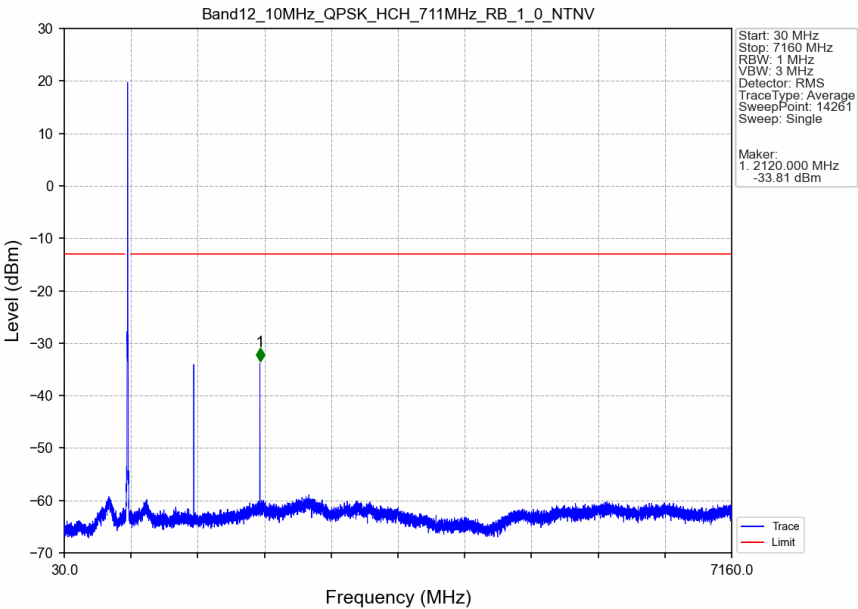


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.827	-30.19	-13	Pass
698.9	699	0.03	/	2	698.992	-32.66	-13	Pass
699	709	0.03	/	/	/	/	/	/

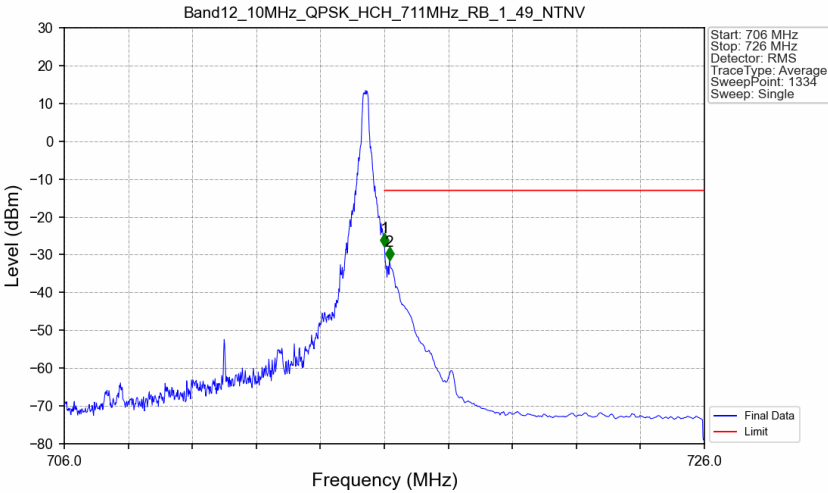
Band12 10MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 10MHz QPSK HCH 711MHz RB 1 0 NTN

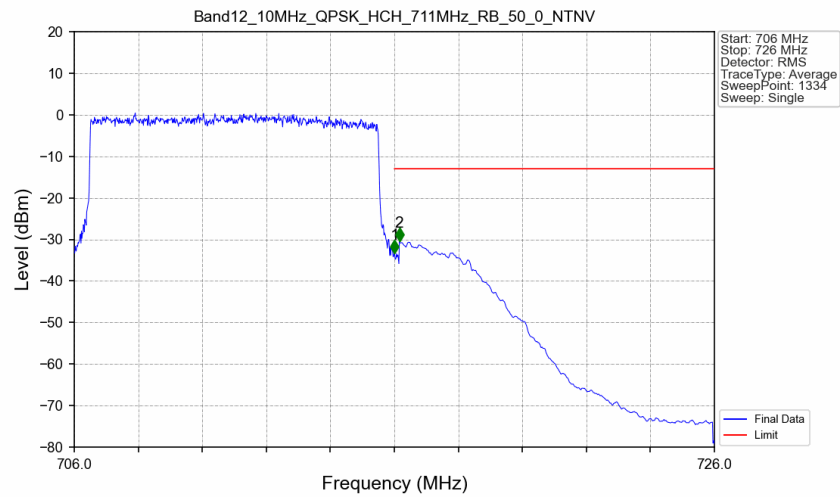


Band12 10MHz QPSK HCH 711MHz RB 1 49 NTN



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	-27.89	-13	Pass
716.1	726	0.1	CHP	2	716.158	-31.41	-13	Pass

Band12 10MHz QPSK HCH 711MHz RB 50 0 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	-33.36	-13	Pass
716.1	726	0.1	CHP	2	716.158	-30.41	-13	Pass