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	22.77	-2.75	17.87	<=34.77	Pass
			2	23.64	-2.75	18.74	<=34.77	Pass
			5	24.07	-2.75	19.17	<=34.77	Pass
		3	0	23.90	-2.75	19.00	<=34.77	Pass
			2	23.89	-2.75	18.99	<=34.77	Pass
			3	23.83	-2.75	18.93	<=34.77	Pass
		6	0	22.92	-2.75	18.02	<=34.77	Pass
	707.5	1	0	23.33	-2.75	18.43	<=34.77	Pass
			2	23.74	-2.75	18.84	<=34.77	Pass
			5	23.79	-2.75	18.89	<=34.77	Pass
		3	0	23.99	-2.75	19.09	<=34.77	Pass
			2	23.73	-2.75	18.83	<=34.77	Pass
			3	23.78	-2.75	18.88	<=34.77	Pass
		6	0	22.85	-2.75	17.95	<=34.77	Pass
	715.3	1	0	23.22	-2.75	18.32	<=34.77	Pass
			2	23.53	-2.75	18.63	<=34.77	Pass
			5	23.40	-2.75	18.50	<=34.77	Pass
		3	0	23.55	-2.75	18.65	<=34.77	Pass
			2	23.42	-2.75	18.52	<=34.77	Pass
			3	23.48	-2.75	18.58	<=34.77	Pass
		6	0	22.67	-2.75	17.77	<=34.77	Pass
16QAM	699.7	1	0	22.90	-2.75	18.00	<=34.77	Pass
			2	22.51	-2.75	17.61	<=34.77	Pass
			5	22.34	-2.75	17.44	<=34.77	Pass
		3	0	23.21	-2.75	18.31	<=34.77	Pass
			2	23.29	-2.75	18.39	<=34.77	Pass
			3	23.04	-2.75	18.14	<=34.77	Pass
		6	0	21.93	-2.75	17.03	<=34.77	Pass
	707.5	1	0	23.20	-2.75	18.30	<=34.77	Pass
			2	23.72	-2.75	18.82	<=34.77	Pass
			5	22.78	-2.75	17.88	<=34.77	Pass
		3	0	22.91	-2.75	18.01	<=34.77	Pass
			2	23.02	-2.75	18.12	<=34.77	Pass
			3	22.78	-2.75	17.88	<=34.77	Pass
		6	0	22.10	-2.75	17.20	<=34.77	Pass
	715.3	1	0	22.94	-2.75	18.04	<=34.77	Pass
			2	23.05	-2.75	18.15	<=34.77	Pass
			5	23.04	-2.75	18.14	<=34.77	Pass
		3	0	22.89	-2.75	17.99	<=34.77	Pass
			2	22.95	-2.75	18.05	<=34.77	Pass
			3	22.87	-2.75	17.97	<=34.77	Pass
		6	0	21.74	-2.75	16.84	<=34.77	Pass
64QAM	699.7	1	0	22.29	-2.75	17.39	<=34.77	Pass
			2	21.65	-2.75	16.75	<=34.77	Pass
			5	22.19	-2.75	17.29	<=34.77	Pass
		3	0	22.02	-2.75	17.12	<=34.77	Pass
			2	21.88	-2.75	16.98	<=34.77	Pass
			3	21.83	-2.75	16.93	<=34.77	Pass
		6	0	21.03	-2.75	16.13	<=34.77	Pass

	707.5	1	0	21.98	-2.75	17.08	<=34.77	Pass
			2	22.95	-2.75	18.05	<=34.77	Pass
			5	23.06	-2.75	18.16	<=34.77	Pass
		3	0	22.69	-2.75	17.79	<=34.77	Pass
			2	22.90	-2.75	18.00	<=34.77	Pass
			3	22.86	-2.75	17.96	<=34.77	Pass
		6	0	21.77	-2.75	16.87	<=34.77	Pass
	715.3	1	0	22.67	-2.75	17.77	<=34.77	Pass
			2	22.99	-2.75	18.09	<=34.77	Pass
			5	22.86	-2.75	17.96	<=34.77	Pass
		3	0	22.67	-2.75	17.77	<=34.77	Pass
			2	22.48	-2.75	17.58	<=34.77	Pass
			3	22.15	-2.75	17.25	<=34.77	Pass
		6	0	21.45	-2.75	16.55	<=34.77	Pass
256QAM	699.7	1	0	18.55	-2.75	13.65	<=34.77	Pass
			2	19.01	-2.75	14.11	<=34.77	Pass
			5	18.95	-2.75	14.05	<=34.77	Pass
		3	0	19.11	-2.75	14.21	<=34.77	Pass
			2	19.05	-2.75	14.15	<=34.77	Pass
			3	18.98	-2.75	14.08	<=34.77	Pass
		6	0	18.94	-2.75	14.04	<=34.77	Pass
	707.5	1	0	18.99	-2.75	14.09	<=34.77	Pass
			2	18.95	-2.75	14.05	<=34.77	Pass
			5	18.71	-2.75	13.81	<=34.77	Pass
		3	0	18.63	-2.75	13.73	<=34.77	Pass
			2	19.00	-2.75	14.10	<=34.77	Pass
			3	18.86	-2.75	13.96	<=34.77	Pass
		6	0	18.67	-2.75	13.77	<=34.77	Pass
	715.3	1	0	18.69	-2.75	13.79	<=34.77	Pass
			2	18.67	-2.75	13.77	<=34.77	Pass
			5	18.53	-2.75	13.63	<=34.77	Pass
		3	0	18.98	-2.75	14.08	<=34.77	Pass
			2	19.06	-2.75	14.16	<=34.77	Pass
			3	18.85	-2.75	13.95	<=34.77	Pass
		6	0	18.66	-2.75	13.76	<=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	24.15	-2.75	19.25	<=34.77	Pass
			7	24.28	-2.75	19.38	<=34.77	Pass
			14	24.05	-2.75	19.15	<=34.77	Pass
		8	0	23.04	-2.75	18.14	<=34.77	Pass
			4	23.06	-2.75	18.16	<=34.77	Pass
			7	22.92	-2.75	18.02	<=34.77	Pass
		15	0	23.03	-2.75	18.13	<=34.77	Pass
	707.5	1	0	23.70	-2.75	18.80	<=34.77	Pass
			7	23.95	-2.75	19.05	<=34.77	Pass
			14	23.43	-2.75	18.53	<=34.77	Pass
		8	0	22.98	-2.75	18.08	<=34.77	Pass
			4	23.03	-2.75	18.13	<=34.77	Pass
			7	22.97	-2.75	18.07	<=34.77	Pass
		15	0	22.92	-2.75	18.02	<=34.77	Pass
	714.5	1	0	23.44	-2.75	18.54	<=34.77	Pass

			7	23.47	-2.75	18.57	<=34.77	Pass
			14	23.32	-2.75	18.42	<=34.77	Pass
		8	0	22.85	-2.75	17.95	<=34.77	Pass
			4	22.77	-2.75	17.87	<=34.77	Pass
			7	22.81	-2.75	17.91	<=34.77	Pass
		15	0	22.81	-2.75	17.91	<=34.77	Pass
16QAM	700.5	1	0	23.02	-2.75	18.12	<=34.77	Pass
			7	23.02	-2.75	18.12	<=34.77	Pass
			14	22.99	-2.75	18.09	<=34.77	Pass
		8	0	22.03	-2.75	17.13	<=34.77	Pass
			4	22.12	-2.75	17.22	<=34.77	Pass
			7	22.08	-2.75	17.18	<=34.77	Pass
		15	0	22.05	-2.75	17.15	<=34.77	Pass
	707.5	1	0	22.88	-2.75	17.98	<=34.77	Pass
			7	23.35	-2.75	18.45	<=34.77	Pass
			14	22.58	-2.75	17.68	<=34.77	Pass
		8	0	21.95	-2.75	17.05	<=34.77	Pass
			4	22.02	-2.75	17.12	<=34.77	Pass
			7	21.96	-2.75	17.06	<=34.77	Pass
		15	0	21.98	-2.75	17.08	<=34.77	Pass
	714.5	1	0	22.83	-2.75	17.93	<=34.77	Pass
			7	22.68	-2.75	17.78	<=34.77	Pass
			14	22.31	-2.75	17.41	<=34.77	Pass
		8	0	21.99	-2.75	17.09	<=34.77	Pass
			4	21.98	-2.75	17.08	<=34.77	Pass
			7	21.89	-2.75	16.99	<=34.77	Pass
		15	0	21.80	-2.75	16.90	<=34.77	Pass
64QAM	700.5	1	0	23.02	-2.75	18.12	<=34.77	Pass
			7	22.34	-2.75	17.44	<=34.77	Pass
			14	22.85	-2.75	17.95	<=34.77	Pass
		8	0	21.96	-2.75	17.06	<=34.77	Pass
			4	22.03	-2.75	17.13	<=34.77	Pass
			7	21.97	-2.75	17.07	<=34.77	Pass
		15	0	22.04	-2.75	17.14	<=34.77	Pass
	707.5	1	0	22.82	-2.75	17.92	<=34.77	Pass
			7	22.89	-2.75	17.99	<=34.77	Pass
			14	22.58	-2.75	17.68	<=34.77	Pass
		8	0	21.95	-2.75	17.05	<=34.77	Pass
			4	22.07	-2.75	17.17	<=34.77	Pass
			7	21.95	-2.75	17.05	<=34.77	Pass
		15	0	22.00	-2.75	17.10	<=34.77	Pass
	714.5	1	0	22.93	-2.75	18.03	<=34.77	Pass
			7	22.80	-2.75	17.90	<=34.77	Pass
			14	22.73	-2.75	17.83	<=34.77	Pass
		8	0	21.73	-2.75	16.83	<=34.77	Pass
			4	21.84	-2.75	16.94	<=34.77	Pass
			7	21.68	-2.75	16.78	<=34.77	Pass
		15	0	21.86	-2.75	16.96	<=34.77	Pass
256QAM	700.5	1	0	18.44	-2.75	13.54	<=34.77	Pass
			7	18.81	-2.75	13.91	<=34.77	Pass
			14	19.02	-2.75	14.12	<=34.77	Pass
		8	0	18.82	-2.75	13.92	<=34.77	Pass
			4	19.10	-2.75	14.20	<=34.77	Pass
			7	18.95	-2.75	14.05	<=34.77	Pass
		15	0	19.02	-2.75	14.12	<=34.77	Pass
	707.5	1	0	18.75	-2.75	13.85	<=34.77	Pass
			7	19.05	-2.75	14.15	<=34.77	Pass
			14	18.86	-2.75	13.96	<=34.77	Pass
		8	0	18.95	-2.75	14.05	<=34.77	Pass

			4	19.02	-2.75	14.12	<=34.77	Pass
			7	18.97	-2.75	14.07	<=34.77	Pass
		15	0	19.00	-2.75	14.10	<=34.77	Pass
	714.5	1	0	18.73	-2.75	13.83	<=34.77	Pass
			7	18.72	-2.75	13.82	<=34.77	Pass
			14	18.50	-2.75	13.60	<=34.77	Pass
		8	0	18.49	-2.75	13.59	<=34.77	Pass
			4	18.83	-2.75	13.93	<=34.77	Pass
			7	18.69	-2.75	13.79	<=34.77	Pass
		15	0	18.79	-2.75	13.89	<=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	24.09	-2.75	19.19	<=34.77	Pass
			13	24.03	-2.75	19.13	<=34.77	Pass
			24	23.88	-2.75	18.98	<=34.77	Pass
		12	0	23.07	-2.75	18.17	<=34.77	Pass
			6	23.02	-2.75	18.12	<=34.77	Pass
			13	22.96	-2.75	18.06	<=34.77	Pass
		25	0	23.06	-2.75	18.16	<=34.77	Pass
	707.5	1	0	23.94	-2.75	19.04	<=34.77	Pass
			13	23.62	-2.75	18.72	<=34.77	Pass
			24	23.35	-2.75	18.45	<=34.77	Pass
		12	0	22.94	-2.75	18.04	<=34.77	Pass
			6	22.98	-2.75	18.08	<=34.77	Pass
			13	22.93	-2.75	18.03	<=34.77	Pass
		25	0	22.95	-2.75	18.05	<=34.77	Pass
	713.5	1	0	23.87	-2.75	18.97	<=34.77	Pass
			13	23.73	-2.75	18.83	<=34.77	Pass
			24	23.44	-2.75	18.54	<=34.77	Pass
		12	0	22.67	-2.75	17.77	<=34.77	Pass
			6	22.95	-2.75	18.05	<=34.77	Pass
			13	22.75	-2.75	17.85	<=34.77	Pass
		25	0	22.82	-2.75	17.92	<=34.77	Pass
16QAM	701.5	1	0	23.10	-2.75	18.20	<=34.77	Pass
			13	23.27	-2.75	18.37	<=34.77	Pass
			24	22.97	-2.75	18.07	<=34.77	Pass
		12	0	22.07	-2.75	17.17	<=34.77	Pass
			6	22.08	-2.75	17.18	<=34.77	Pass
			13	22.02	-2.75	17.12	<=34.77	Pass
		25	0	22.00	-2.75	17.10	<=34.77	Pass
	707.5	1	0	23.44	-2.75	18.54	<=34.77	Pass
			13	23.10	-2.75	18.20	<=34.77	Pass
			24	23.03	-2.75	18.13	<=34.77	Pass
		12	0	21.96	-2.75	17.06	<=34.77	Pass
			6	22.03	-2.75	17.13	<=34.77	Pass
			13	21.99	-2.75	17.09	<=34.77	Pass
		25	0	22.01	-2.75	17.11	<=34.77	Pass
	713.5	1	0	22.95	-2.75	18.05	<=34.77	Pass
			13	22.97	-2.75	18.07	<=34.77	Pass
			24	22.82	-2.75	17.92	<=34.77	Pass
		12	0	21.94	-2.75	17.04	<=34.77	Pass
			6	21.92	-2.75	17.02	<=34.77	Pass

			13	21.80	-2.75	16.90	<=34.77	Pass
		25	0	21.86	-2.75	16.96	<=34.77	Pass
64QAM	701.5	1	0	23.17	-2.75	18.27	<=34.77	Pass
			13	22.91	-2.75	18.01	<=34.77	Pass
			24	23.10	-2.75	18.20	<=34.77	Pass
		12	0	22.01	-2.75	17.11	<=34.77	Pass
			6	22.06	-2.75	17.16	<=34.77	Pass
			13	22.00	-2.75	17.10	<=34.77	Pass
		25	0	22.00	-2.75	17.10	<=34.77	Pass
	707.5	1	0	22.52	-2.75	17.62	<=34.77	Pass
			13	23.04	-2.75	18.14	<=34.77	Pass
			24	22.37	-2.75	17.47	<=34.77	Pass
		12	0	22.01	-2.75	17.11	<=34.77	Pass
			6	22.00	-2.75	17.10	<=34.77	Pass
			13	21.97	-2.75	17.07	<=34.77	Pass
		25	0	21.99	-2.75	17.09	<=34.77	Pass
	713.5	1	0	22.93	-2.75	18.03	<=34.77	Pass
			13	23.01	-2.75	18.11	<=34.77	Pass
			24	22.81	-2.75	17.91	<=34.77	Pass
		12	0	21.79	-2.75	16.89	<=34.77	Pass
			6	22.01	-2.75	17.11	<=34.77	Pass
			13	21.64	-2.75	16.74	<=34.77	Pass
		25	0	21.82	-2.75	16.92	<=34.77	Pass
256QAM	701.5	1	0	18.99	-2.75	14.09	<=34.77	Pass
			13	18.35	-2.75	13.45	<=34.77	Pass
			24	18.69	-2.75	13.79	<=34.77	Pass
		12	0	19.00	-2.75	14.10	<=34.77	Pass
			6	18.99	-2.75	14.09	<=34.77	Pass
			13	18.83	-2.75	13.93	<=34.77	Pass
		25	0	19.02	-2.75	14.12	<=34.77	Pass
	707.5	1	0	19.18	-2.75	14.28	<=34.77	Pass
			13	18.72	-2.75	13.82	<=34.77	Pass
			24	18.53	-2.75	13.63	<=34.77	Pass
		12	0	19.13	-2.75	14.23	<=34.77	Pass
			6	19.05	-2.75	14.15	<=34.77	Pass
			13	18.99	-2.75	14.09	<=34.77	Pass
		25	0	18.92	-2.75	14.02	<=34.77	Pass
	713.5	1	0	18.40	-2.75	13.50	<=34.77	Pass
			13	18.74	-2.75	13.84	<=34.77	Pass
			24	18.65	-2.75	13.75	<=34.77	Pass
		12	0	18.91	-2.75	14.01	<=34.77	Pass
			6	18.89	-2.75	13.99	<=34.77	Pass
			13	18.81	-2.75	13.91	<=34.77	Pass
		25	0	18.76	-2.75	13.86	<=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	23.92	-2.75	19.02	<=34.77	Pass
			25	23.50	-2.75	18.60	<=34.77	Pass
			49	23.50	-2.75	18.60	<=34.77	Pass
		25	0	22.19	-2.75	17.29	<=34.77	Pass
			13	22.90	-2.75	18.00	<=34.77	Pass
			25	22.92	-2.75	18.02	<=34.77	Pass

		50	0	22.97	-2.75	18.07	<=34.77	Pass
	707.5	1	0	24.02	-2.75	19.12	<=34.77	Pass
			25	24.21	-2.75	19.31	<=34.77	Pass
			49	23.61	-2.75	18.71	<=34.77	Pass
		25	0	23.00	-2.75	18.10	<=34.77	Pass
			13	22.96	-2.75	18.06	<=34.77	Pass
			25	22.96	-2.75	18.06	<=34.77	Pass
		50	0	23.01	-2.75	18.11	<=34.77	Pass
	711	1	0	23.91	-2.75	19.01	<=34.77	Pass
			25	23.72	-2.75	18.82	<=34.77	Pass
			49	23.54	-2.75	18.64	<=34.77	Pass
		25	0	22.80	-2.75	17.90	<=34.77	Pass
			13	22.90	-2.75	18.00	<=34.77	Pass
			25	22.90	-2.75	18.00	<=34.77	Pass
		50	0	22.90	-2.75	18.00	<=34.77	Pass
16QAM	704	1	0	23.34	-2.75	18.44	<=34.77	Pass
			25	23.14	-2.75	18.24	<=34.77	Pass
			49	23.13	-2.75	18.23	<=34.77	Pass
		25	0	22.02	-2.75	17.12	<=34.77	Pass
			13	22.02	-2.75	17.12	<=34.77	Pass
			25	21.90	-2.75	17.00	<=34.77	Pass
		50	0	21.92	-2.75	17.02	<=34.77	Pass
	707.5	1	0	23.10	-2.75	18.20	<=34.77	Pass
			25	22.83	-2.75	17.93	<=34.77	Pass
			49	22.64	-2.75	17.74	<=34.77	Pass
		25	0	22.02	-2.75	17.12	<=34.77	Pass
			13	22.09	-2.75	17.19	<=34.77	Pass
			25	21.99	-2.75	17.09	<=34.77	Pass
		50	0	21.94	-2.75	17.04	<=34.77	Pass
	711	1	0	23.05	-2.75	18.15	<=34.77	Pass
			25	23.18	-2.75	18.28	<=34.77	Pass
			49	23.04	-2.75	18.14	<=34.77	Pass
		25	0	21.91	-2.75	17.01	<=34.77	Pass
			13	21.90	-2.75	17.00	<=34.77	Pass
			25	21.96	-2.75	17.06	<=34.77	Pass
		50	0	21.74	-2.75	16.84	<=34.77	Pass
64QAM	704	1	0	22.83	-2.75	17.93	<=34.77	Pass
			25	22.76	-2.75	17.86	<=34.77	Pass
			49	22.46	-2.75	17.56	<=34.77	Pass
		25	0	22.01	-2.75	17.11	<=34.77	Pass
			13	21.99	-2.75	17.09	<=34.77	Pass
			25	21.90	-2.75	17.00	<=34.77	Pass
		50	0	21.82	-2.75	16.92	<=34.77	Pass
	707.5	1	0	22.69	-2.75	17.79	<=34.77	Pass
			25	22.75	-2.75	17.85	<=34.77	Pass
			49	23.10	-2.75	18.20	<=34.77	Pass
		25	0	22.03	-2.75	17.13	<=34.77	Pass
			13	21.97	-2.75	17.07	<=34.77	Pass
			25	21.94	-2.75	17.04	<=34.77	Pass
		50	0	21.96	-2.75	17.06	<=34.77	Pass
	711	1	0	23.04	-2.75	18.14	<=34.77	Pass
			25	22.77	-2.75	17.87	<=34.77	Pass
			49	22.66	-2.75	17.76	<=34.77	Pass
		25	0	21.94	-2.75	17.04	<=34.77	Pass
			13	21.91	-2.75	17.01	<=34.77	Pass
			25	21.84	-2.75	16.94	<=34.77	Pass
		50	0	21.83	-2.75	16.93	<=34.77	Pass
256QAM	704	1	0	18.80	-2.75	13.90	<=34.77	Pass
			25	18.61	-2.75	13.71	<=34.77	Pass

			49	18.10	-2.75	13.20	<=34.77	Pass
		25	0	18.96	-2.75	14.06	<=34.77	Pass
			13	18.91	-2.75	14.01	<=34.77	Pass
			25	18.91	-2.75	14.01	<=34.77	Pass
		50	0	18.93	-2.75	14.03	<=34.77	Pass
	707.5	1	0	18.92	-2.75	14.02	<=34.77	Pass
			25	18.69	-2.75	13.79	<=34.77	Pass
			49	18.72	-2.75	13.82	<=34.77	Pass
		25	0	19.02	-2.75	14.12	<=34.77	Pass
			13	18.94	-2.75	14.04	<=34.77	Pass
			25	18.88	-2.75	13.98	<=34.77	Pass
		50	0	18.93	-2.75	14.03	<=34.77	Pass
	711	1	0	18.76	-2.75	13.86	<=34.77	Pass
			25	18.94	-2.75	14.04	<=34.77	Pass
			49	18.11	-2.75	13.21	<=34.77	Pass
		25	0	18.96	-2.75	14.06	<=34.77	Pass
			13	18.83	-2.75	13.93	<=34.77	Pass
			25	18.85	-2.75	13.95	<=34.77	Pass
		50	0	18.74	-2.75	13.84	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	707.5	50	0	20	LV	-0.700	-0.0010	-2.5 to 2.5	Pass
					HV	2.300	0.0033	-2.5 to 2.5	Pass
					NV	0.300	0.0004	-2.5 to 2.5	Pass
				-30	NV	-1.900	-0.0027	-2.5 to 2.5	Pass
				-20	NV	0.000	0.0000	-2.5 to 2.5	Pass
				-10	NV	-0.300	-0.0004	-2.5 to 2.5	Pass
				0	NV	0.200	0.0003	-2.5 to 2.5	Pass
				10	NV	-1.000	-0.0014	-2.5 to 2.5	Pass
				30	NV	-1.400	-0.0020	-2.5 to 2.5	Pass
				40	NV	-0.700	-0.0010	-2.5 to 2.5	Pass
				50	NV	-0.200	-0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

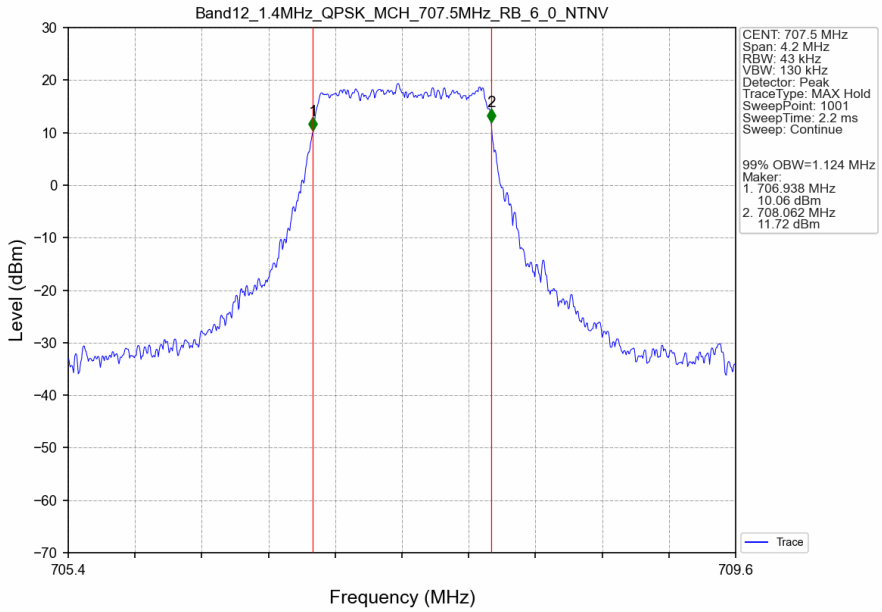
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.124	/	Pass
	16QAM	707.5	6	0	1.123	/	Pass
3	QPSK	707.5	15	0	2.744	/	Pass
	16QAM	707.5	15	0	2.743	/	Pass
5	QPSK	707.5	25	0	4.541	/	Pass
	16QAM	707.5	25	0	4.546	/	Pass
10	QPSK	707.5	50	0	9.073	/	Pass
	16QAM	707.5	50	0	9.063	/	Pass

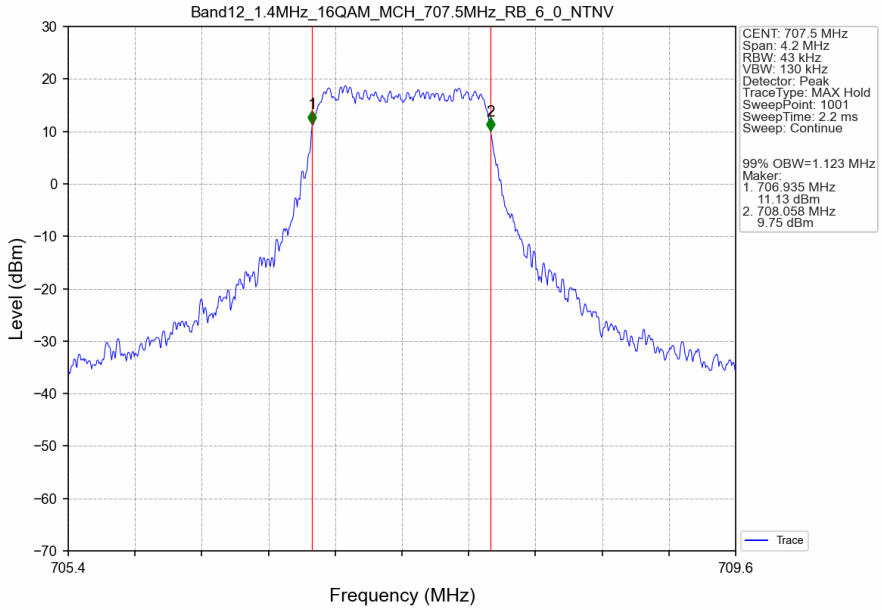
3.1.2 Band12_XDB

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	1.416	/	Pass
	16QAM	707.5	6	0	1.405	/	Pass
3	QPSK	707.5	15	0	3.123	/	Pass
	16QAM	707.5	15	0	3.087	/	Pass
5	QPSK	707.5	25	0	5.274	/	Pass
	16QAM	707.5	25	0	5.216	/	Pass
10	QPSK	707.5	50	0	10.174	/	Pass
	16QAM	707.5	50	0	10.165	/	Pass

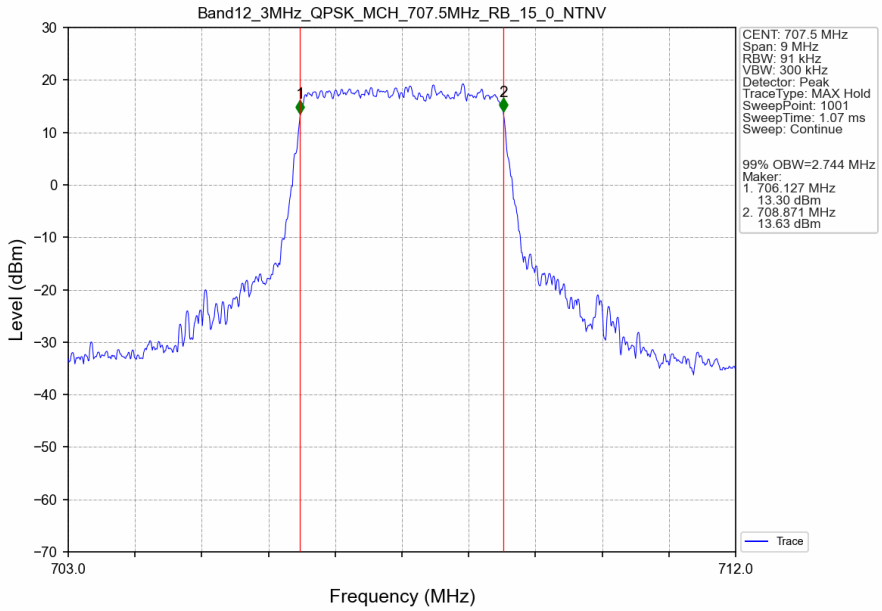
3.2 Test Graph

3.2.1 Band12_OBW

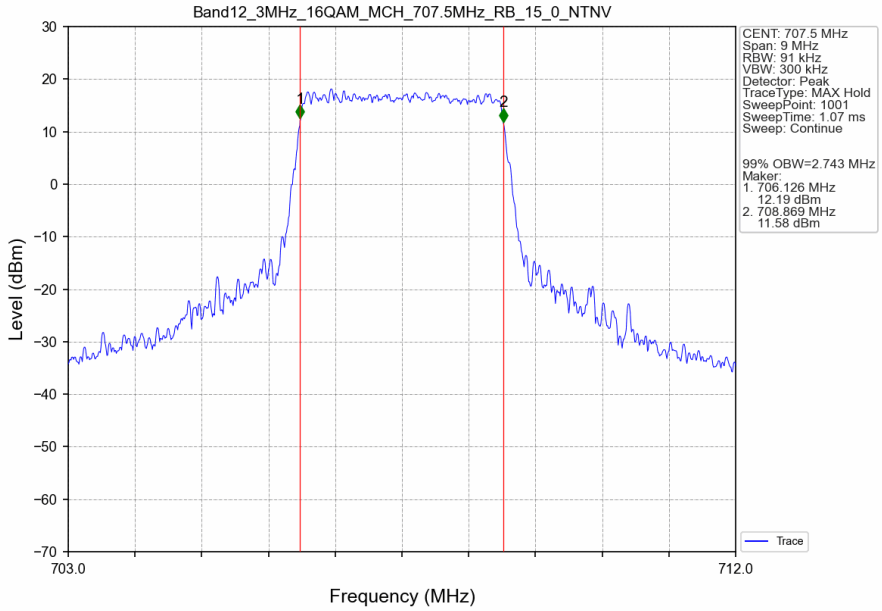
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


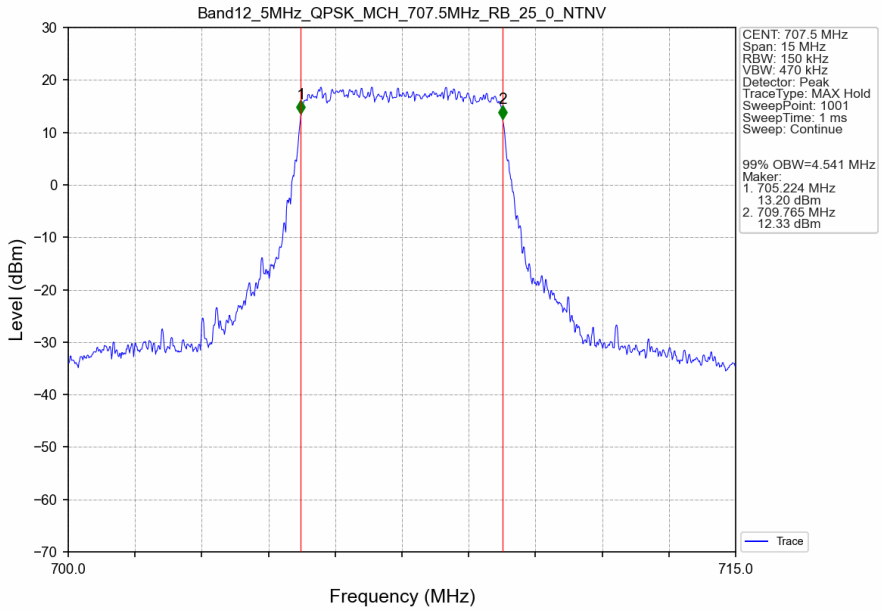
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



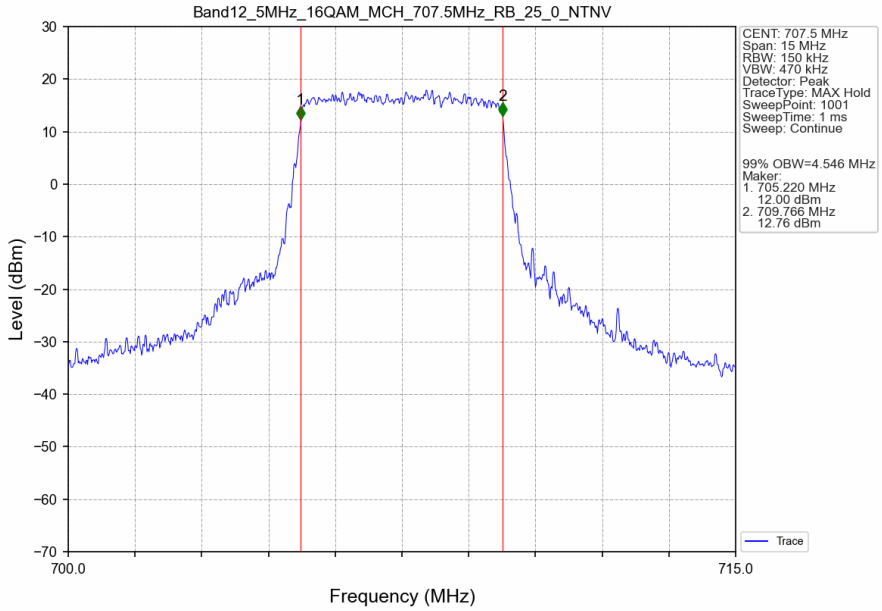
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



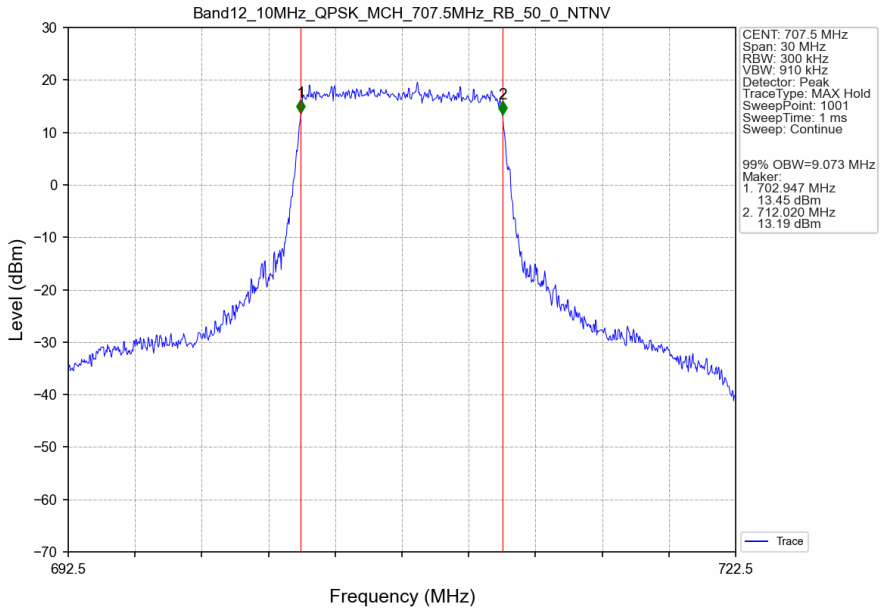
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



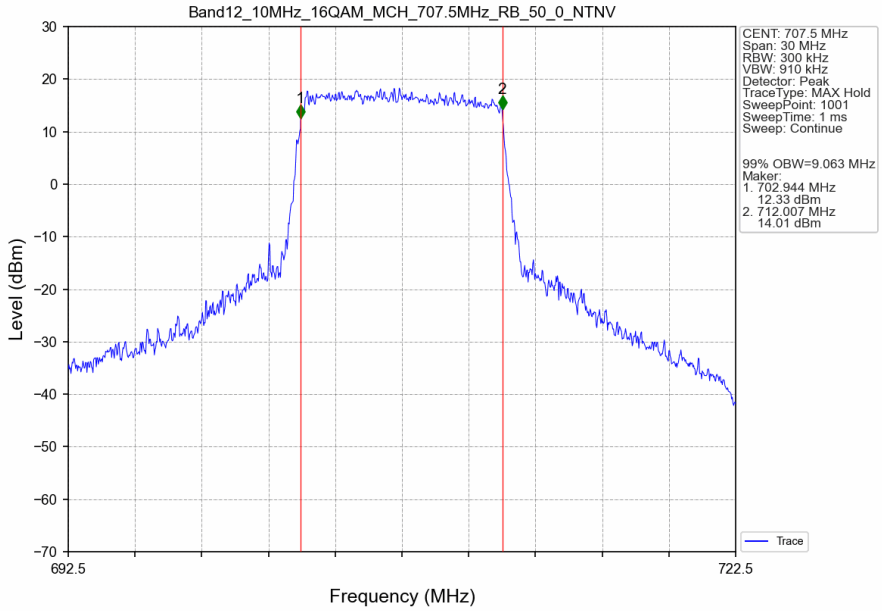
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



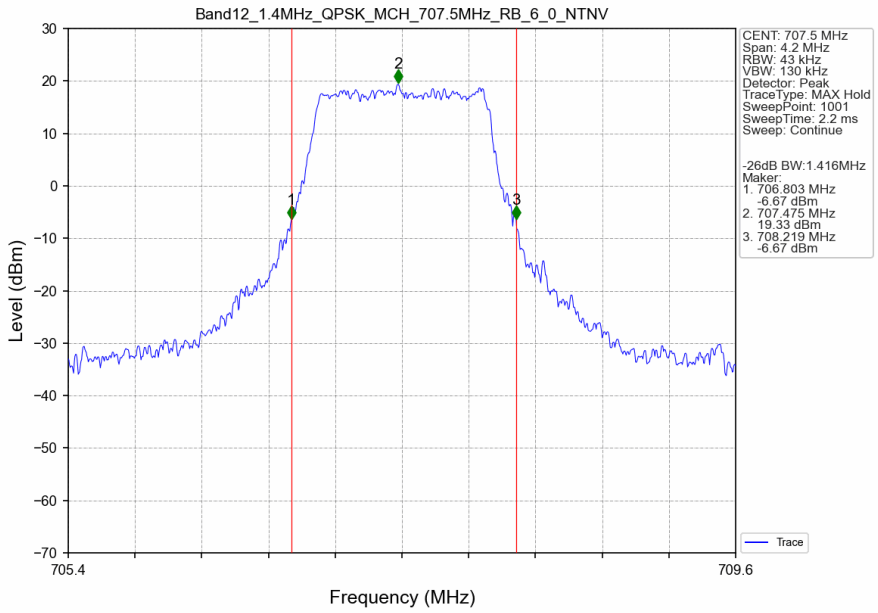
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

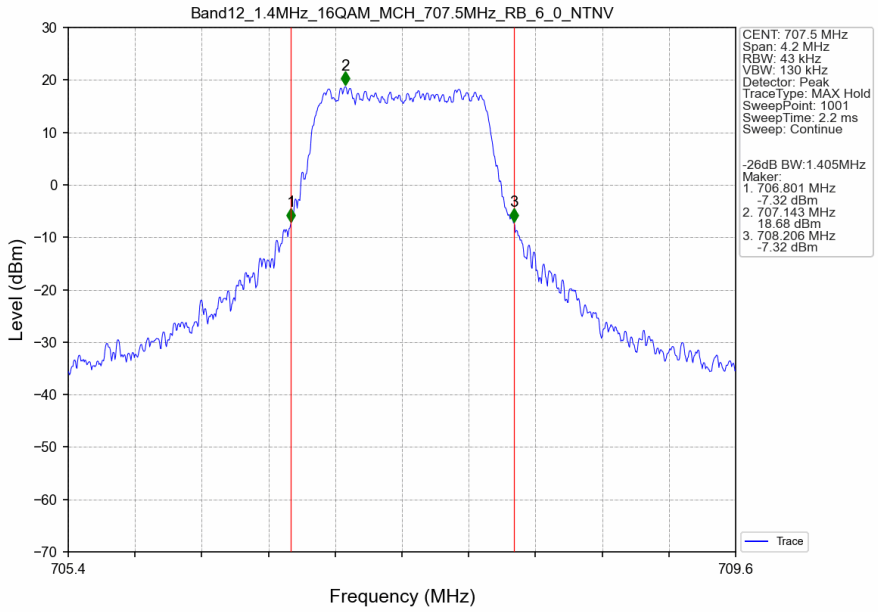


Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

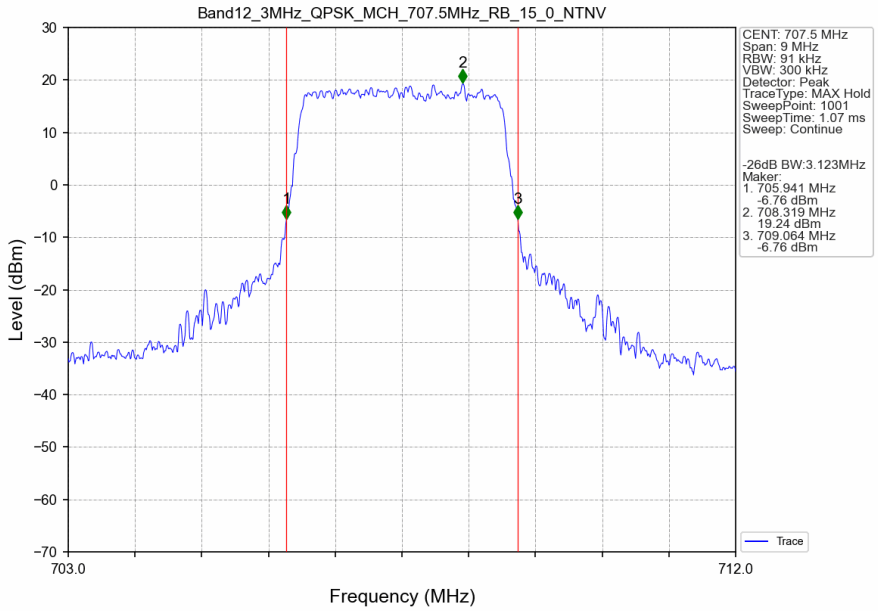


3.2.2 Band12_XDB

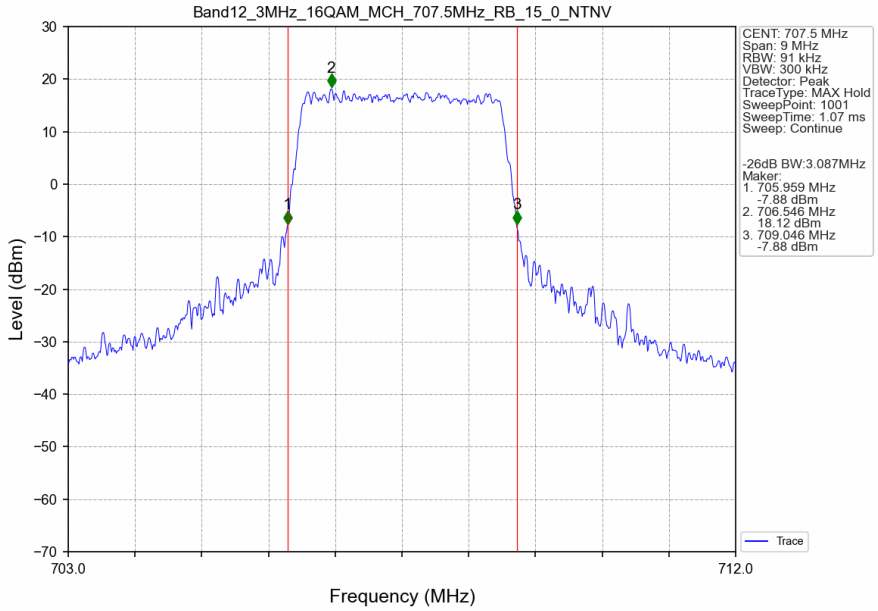
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


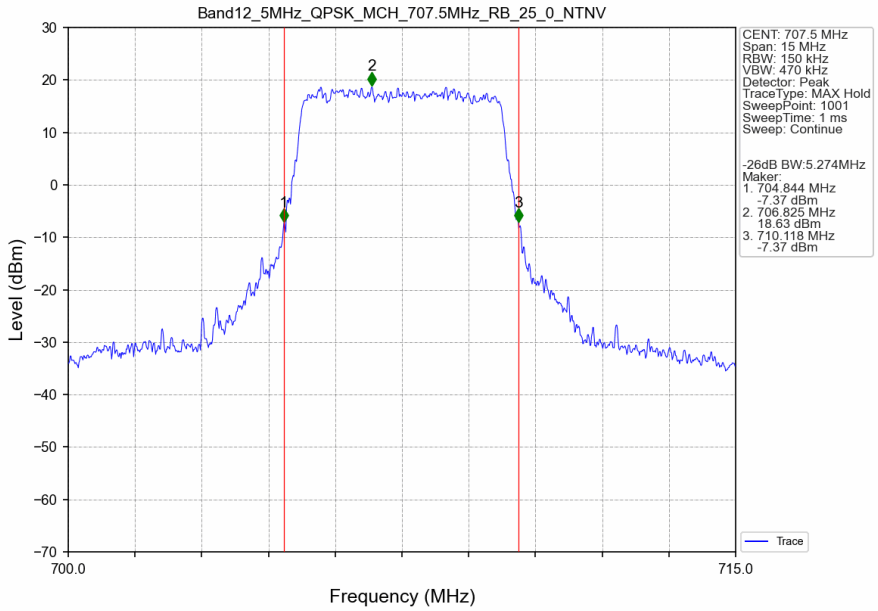
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



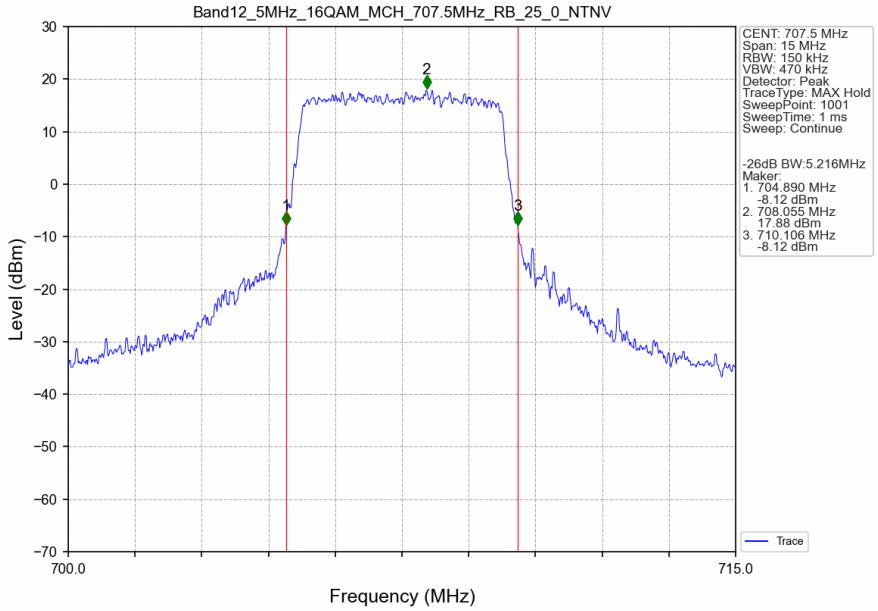
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



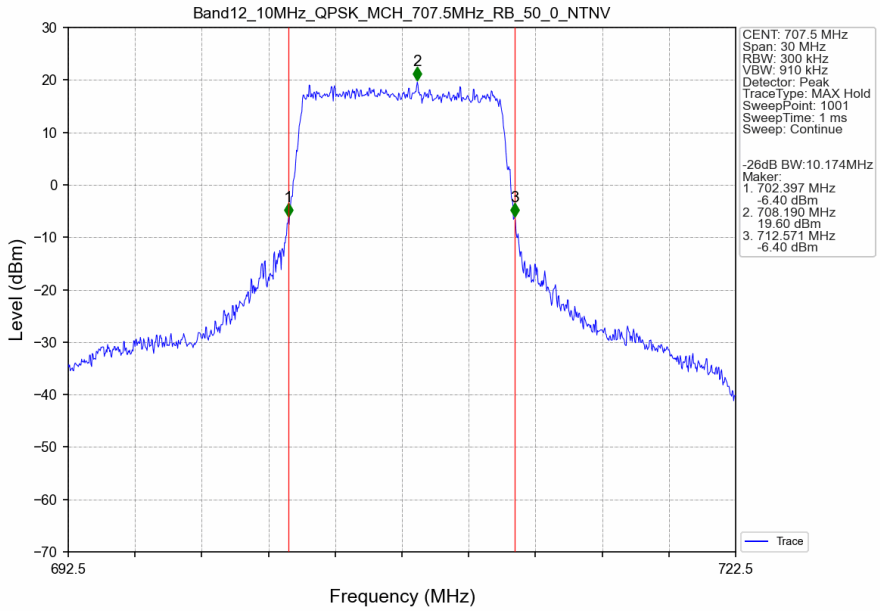
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



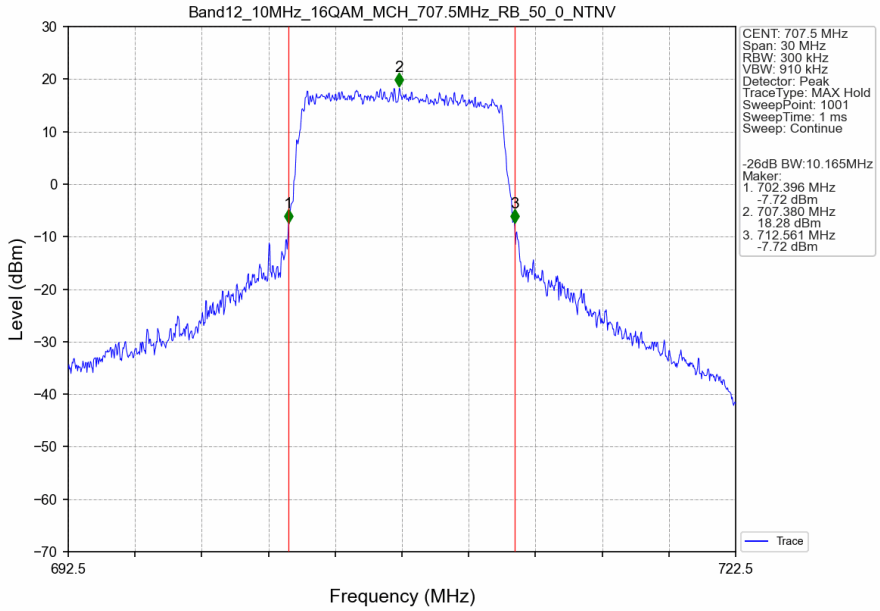
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

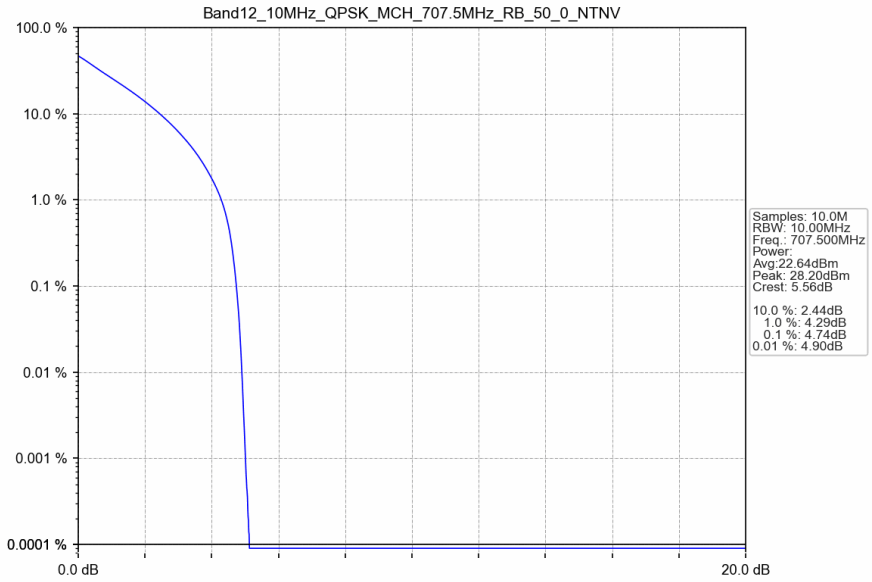
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	4.74	<=13	Pass
16QAM	707.5	50	0	5.78	<=13	Pass
64QAM	707.5	50	0	5.77	<=13	Pass
256QAM	707.5	50	0	6.68	<=13	Pass

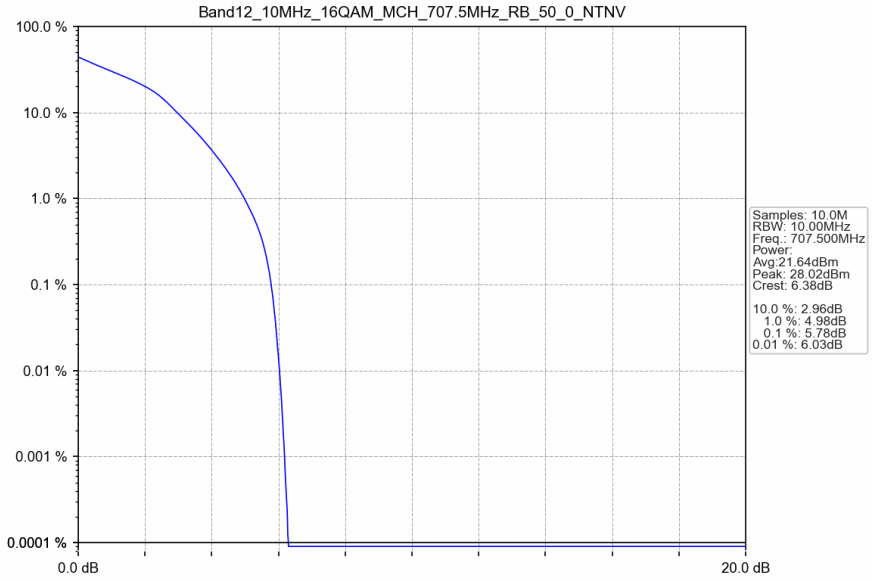
4.2 Test Graph

4.2.1 B12_10MHz

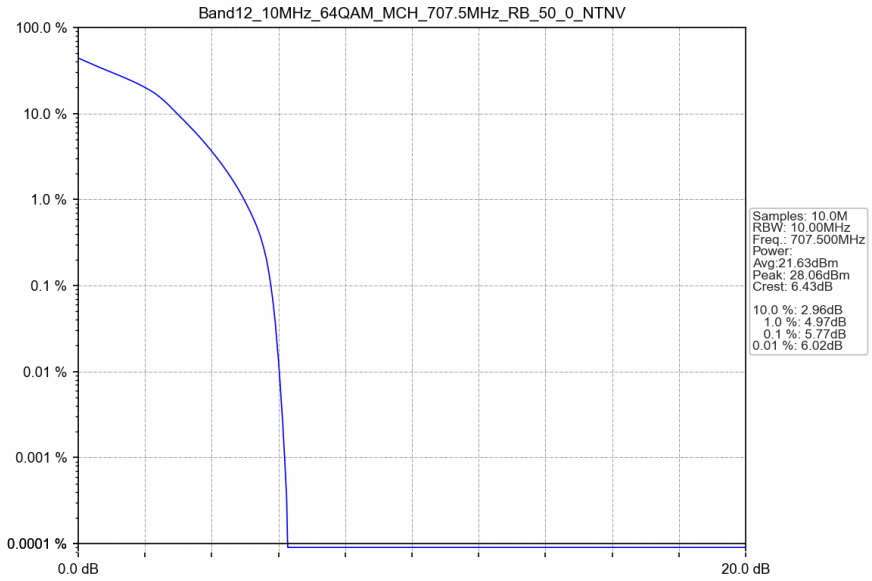
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



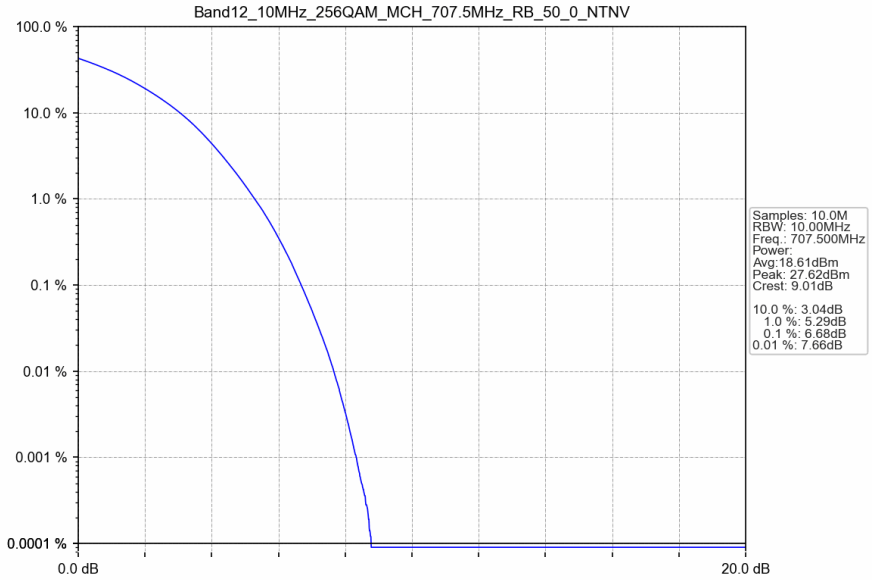
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



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		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
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 / NTNV						
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

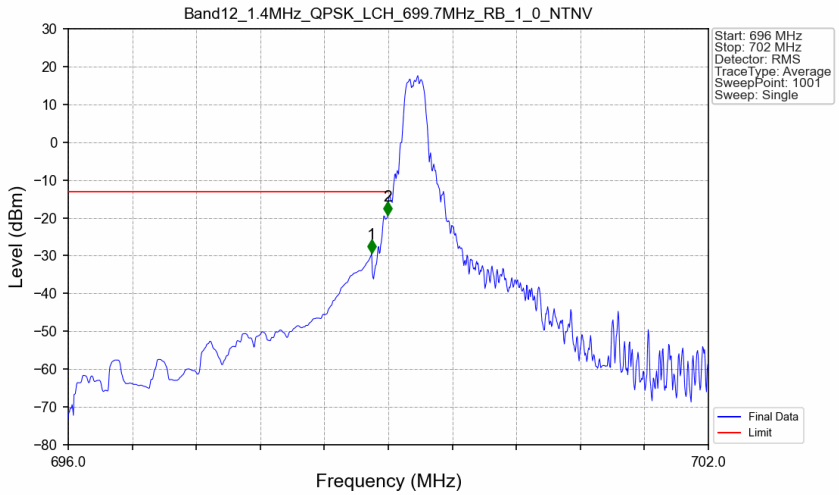
5.1.4 B12_10MHz

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

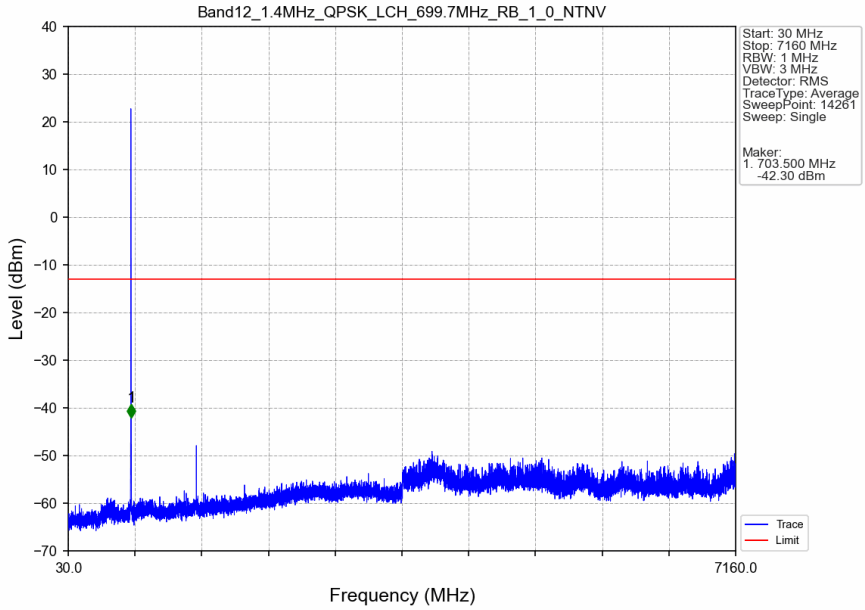
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

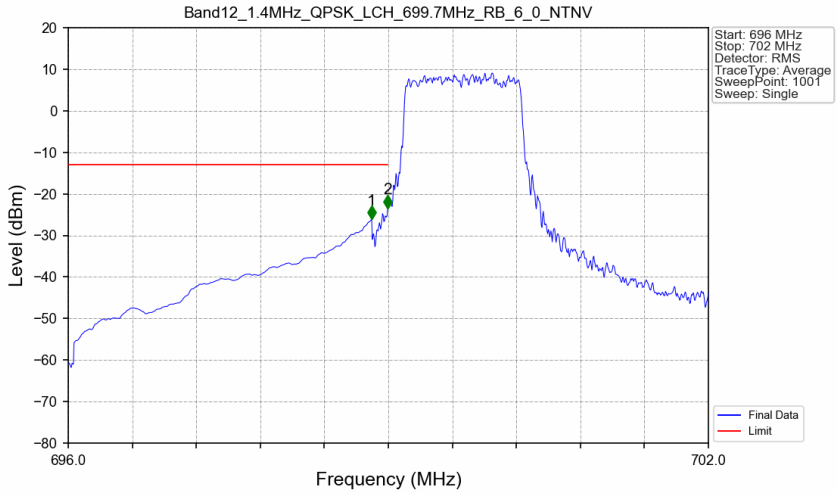


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.31	-13	Pass
698.9	699	0.03	/	2	698.994	-19.16	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

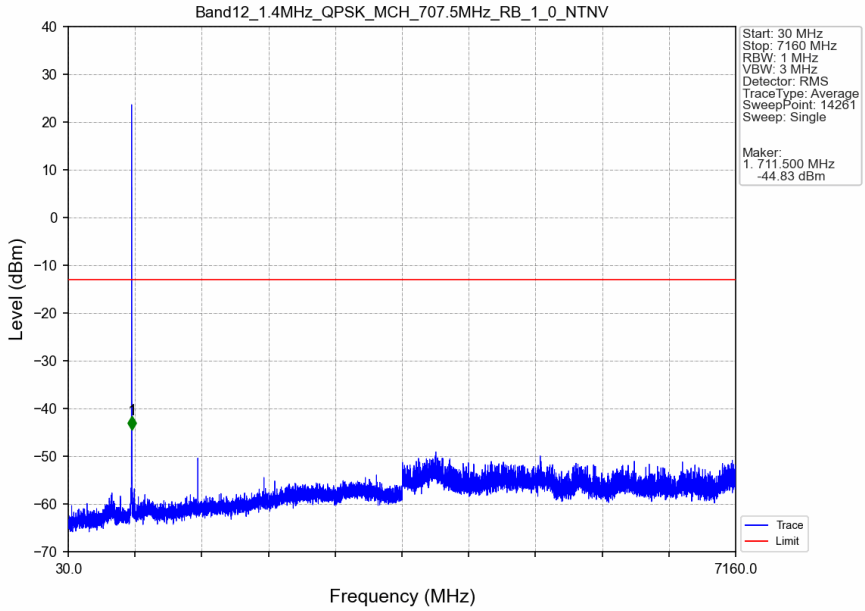


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

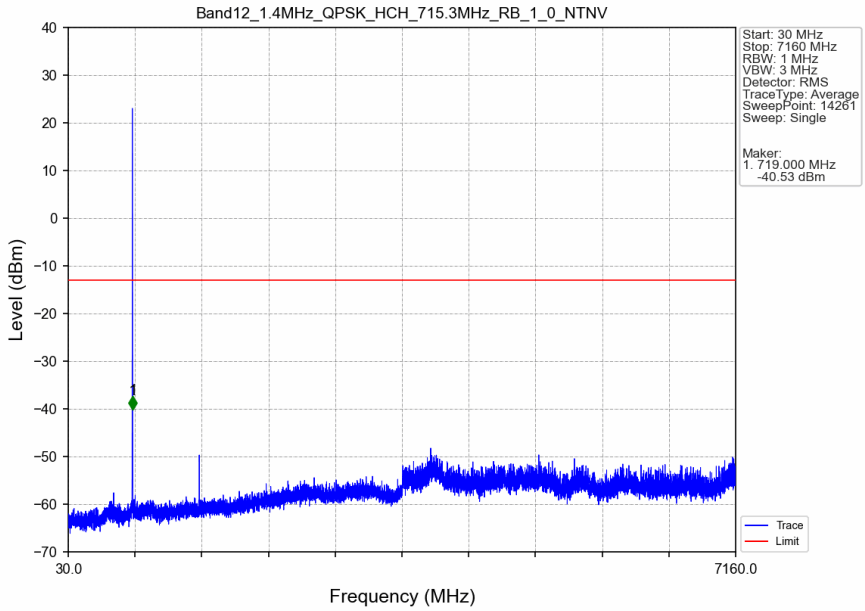


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-26.04	-13	Pass
698.9	699	0.03	/	2	698.994	-23.39	-13	Pass
699	702	0.03	/	/	/	/	/	/

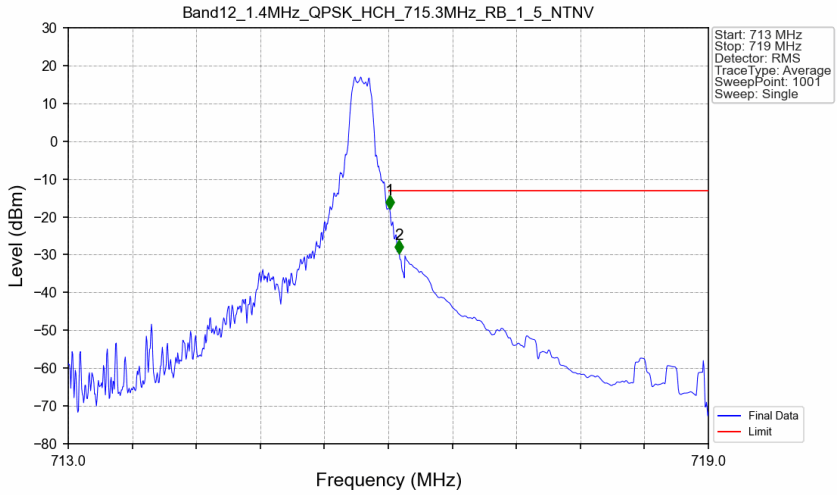
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

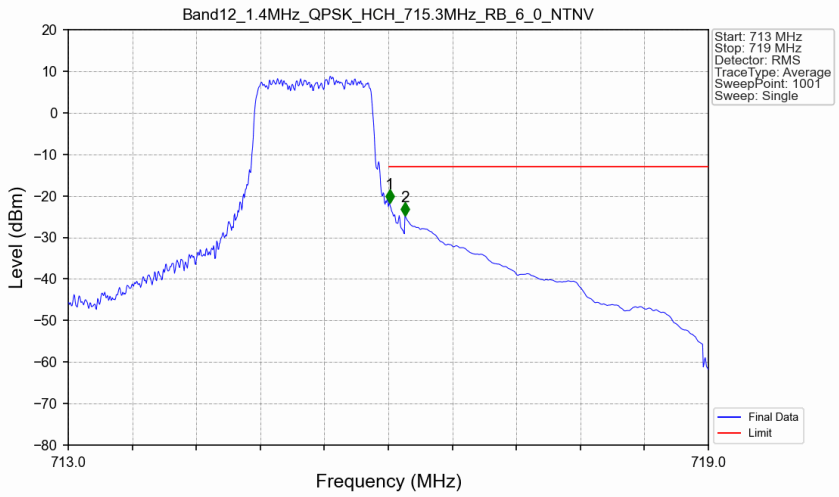


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	716.012	-17.78	-13	Pass
716.1	719	0.1	CHP	2	716.102	-29.60	-13	Pass

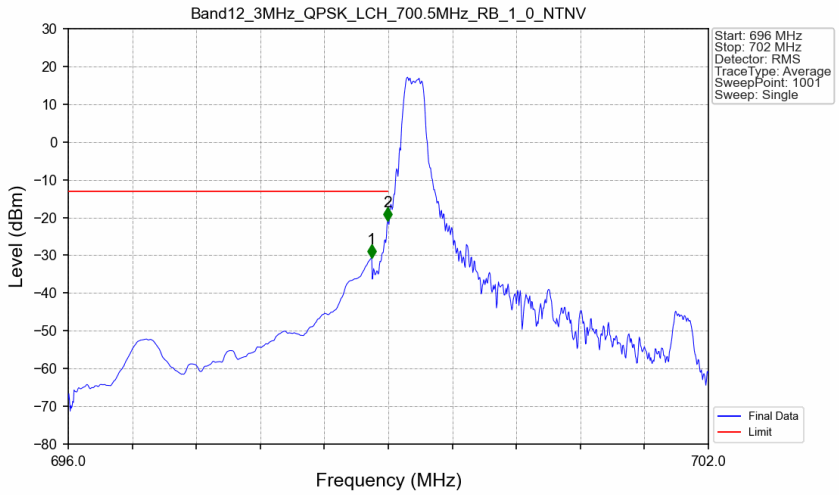
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-21.67	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.74	-13	Pass

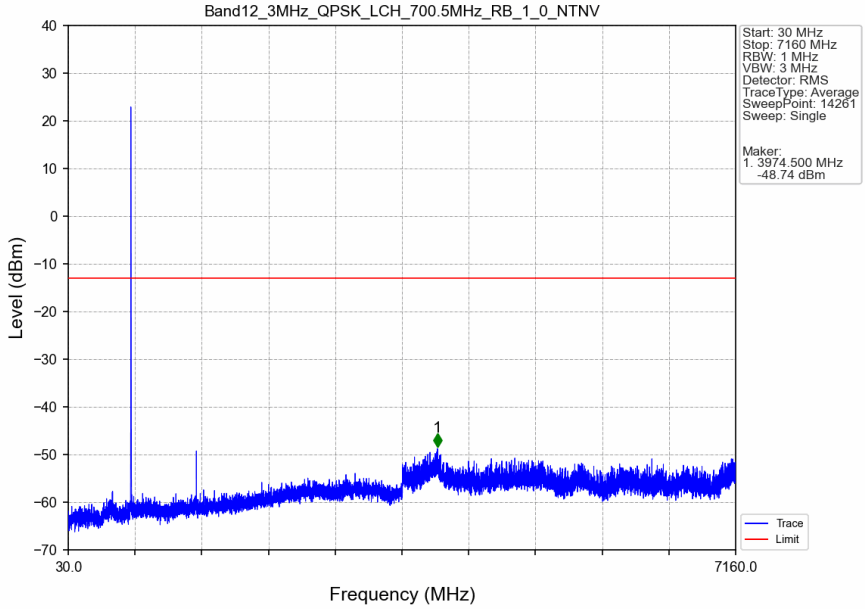
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

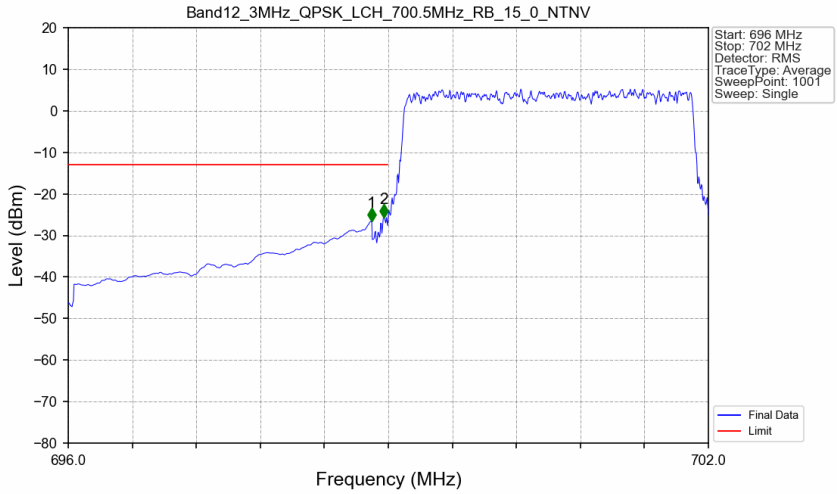


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.56	-13	Pass
698.9	699	0.03	/	2	698.994	-20.92	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

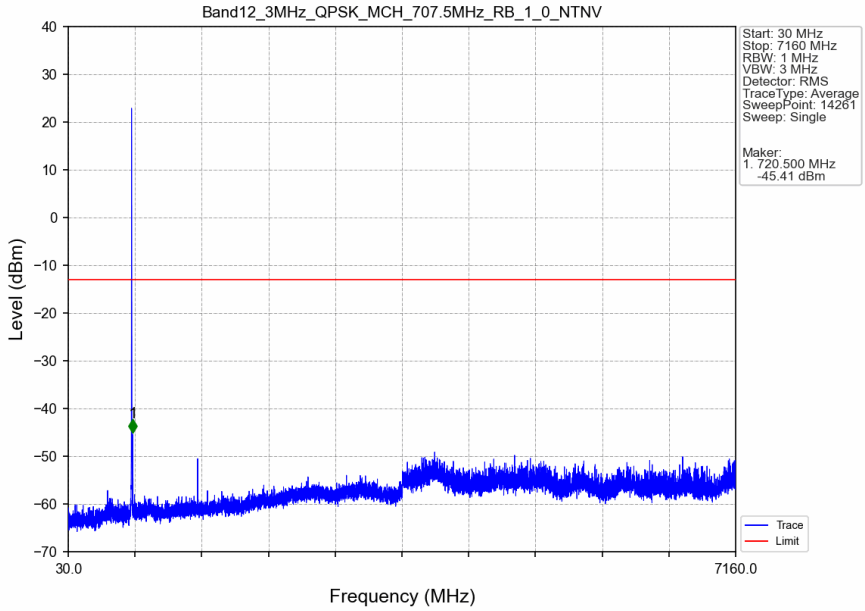


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

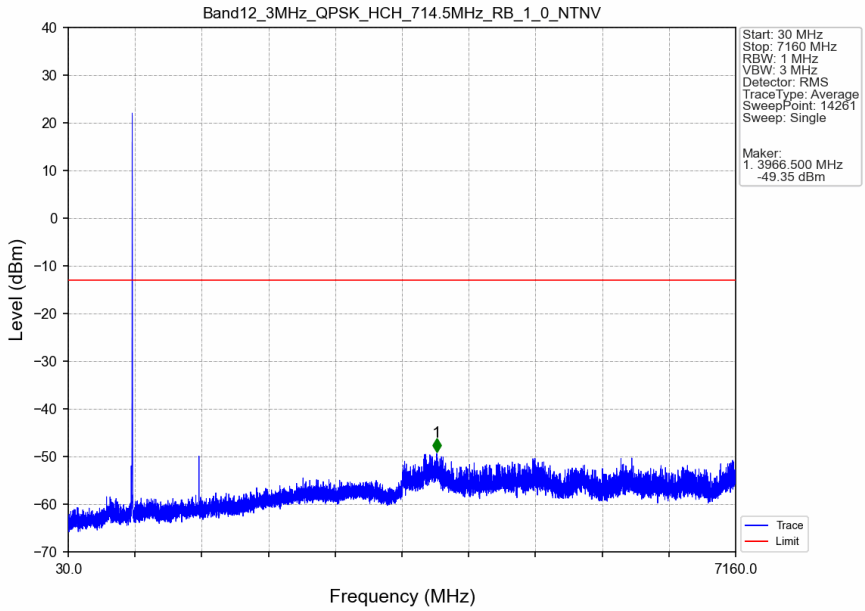


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-26.53	-13	Pass
698.9	699	0.03	/	2	698.958	-25.58	-13	Pass
699	702	0.03	/	/	/	/	/	/

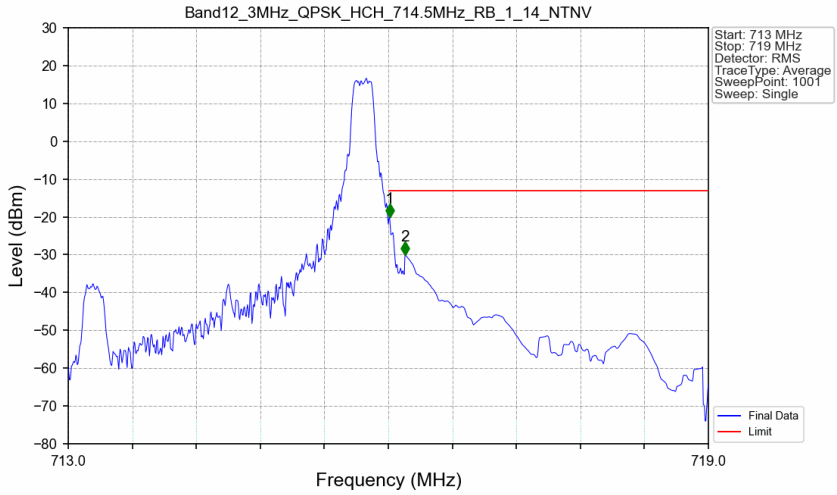
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

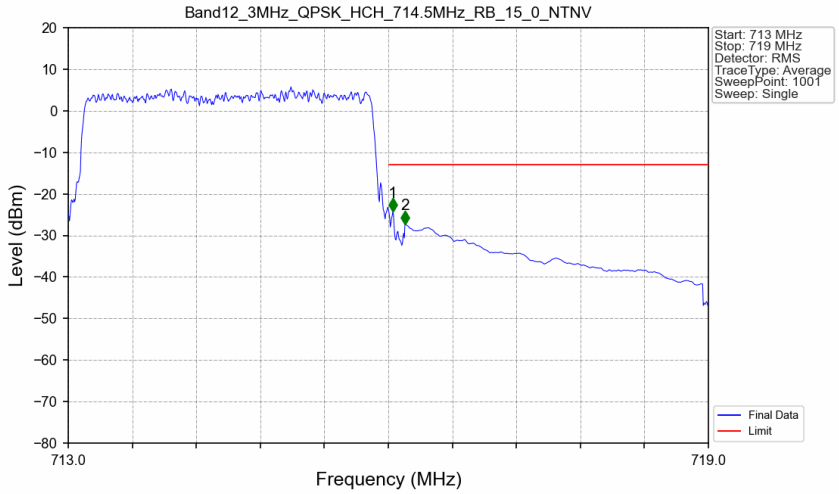


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	716.012	-20.01	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.96	-13	Pass

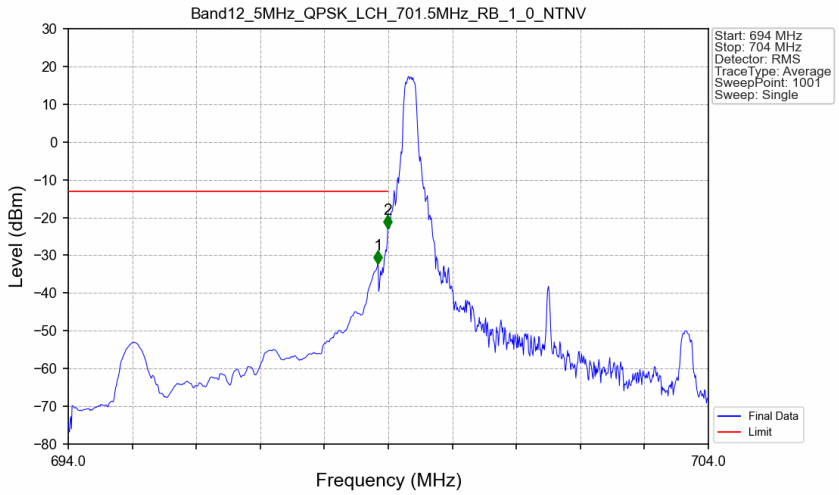
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.042	-24.26	-13	Pass
716.1	719	0.1	CHP	2	716.156	-27.21	-13	Pass

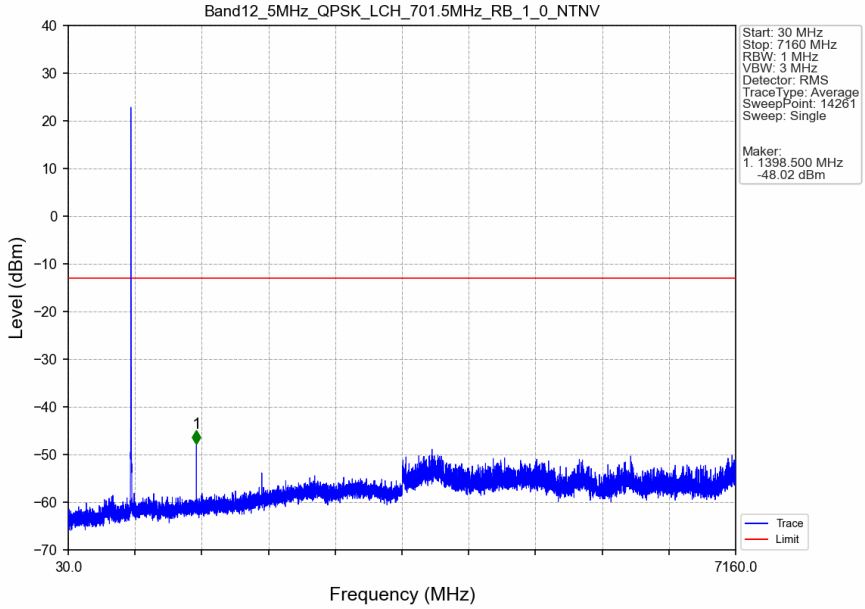
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

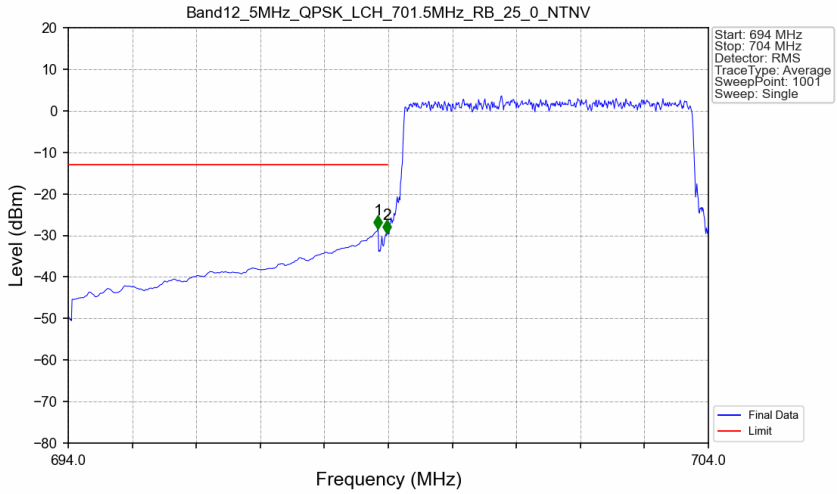


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-32.27	-13	Pass
698.9	699	0.03	/	2	698.990	-22.92	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

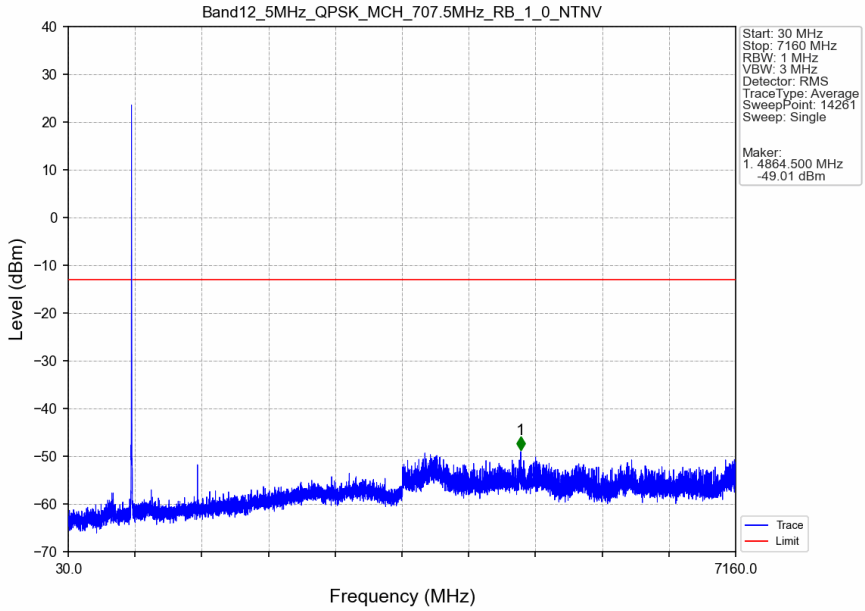


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

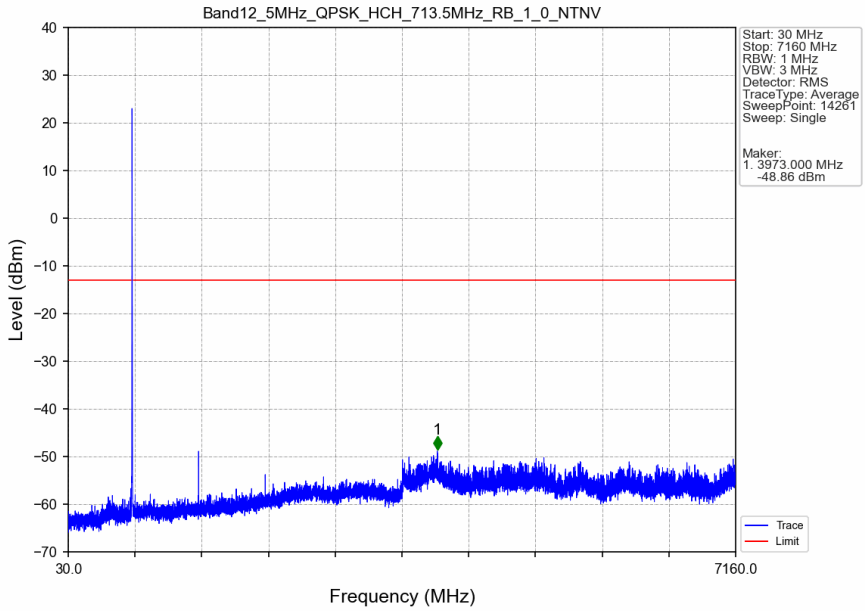


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-28.43	-13	Pass
698.9	699	0.03	/	2	698.980	-29.54	-13	Pass
699	704	0.03	/	/	/	/	/	/

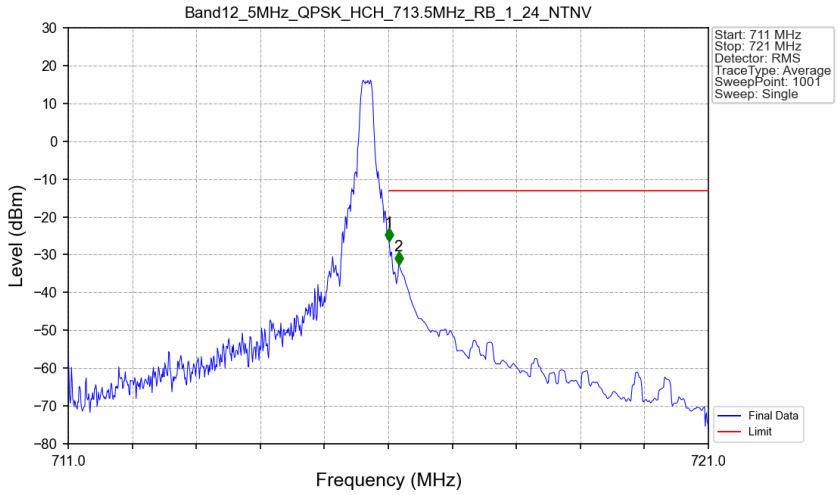
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

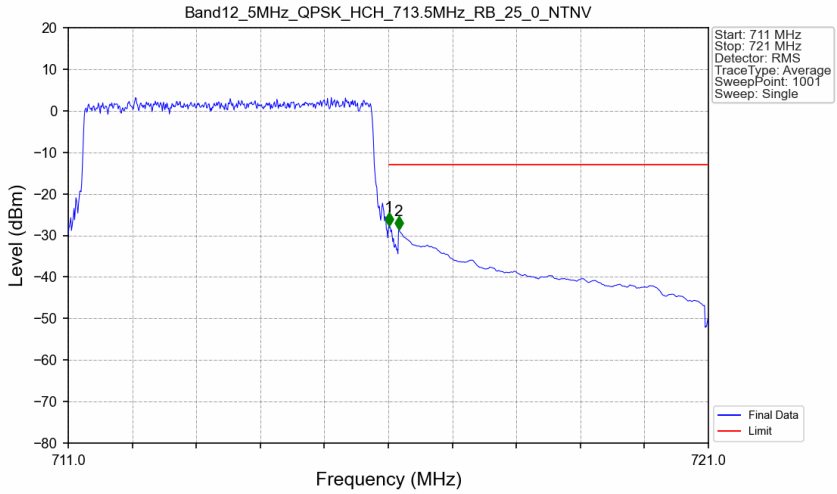


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-26.50	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.74	-13	Pass

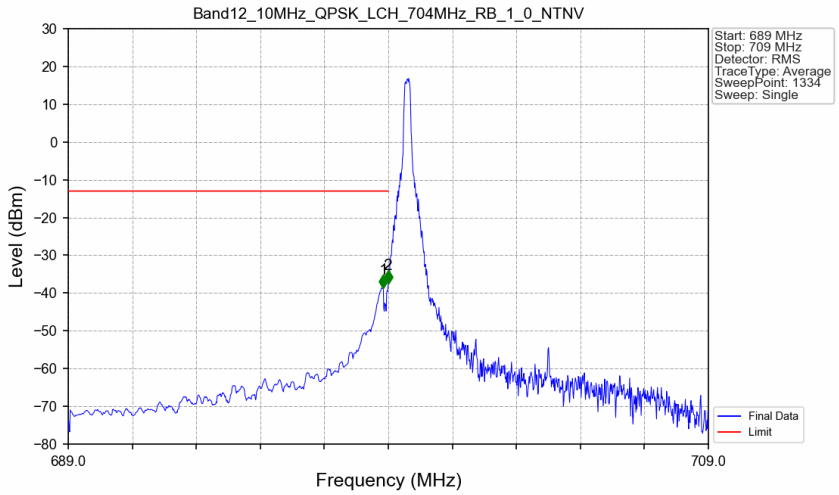
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	-27.64	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.63	-13	Pass

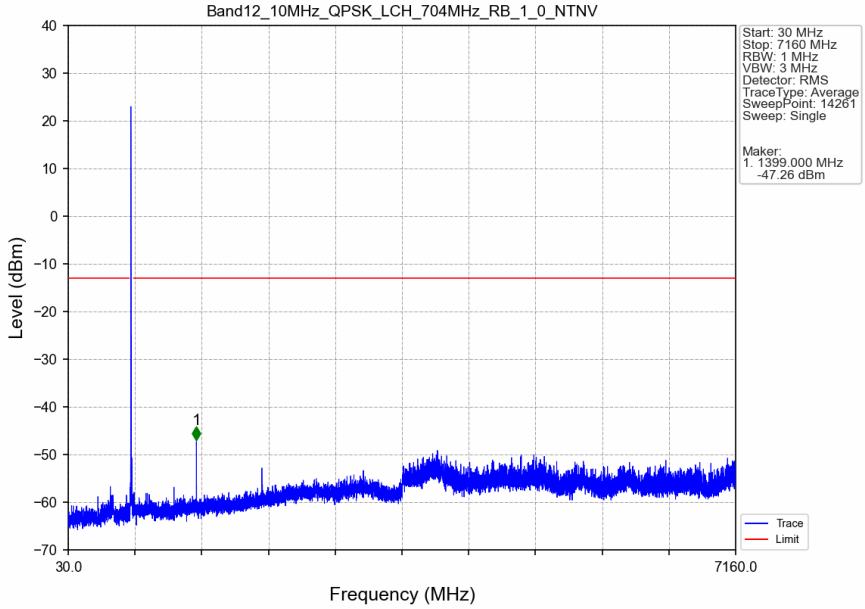
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

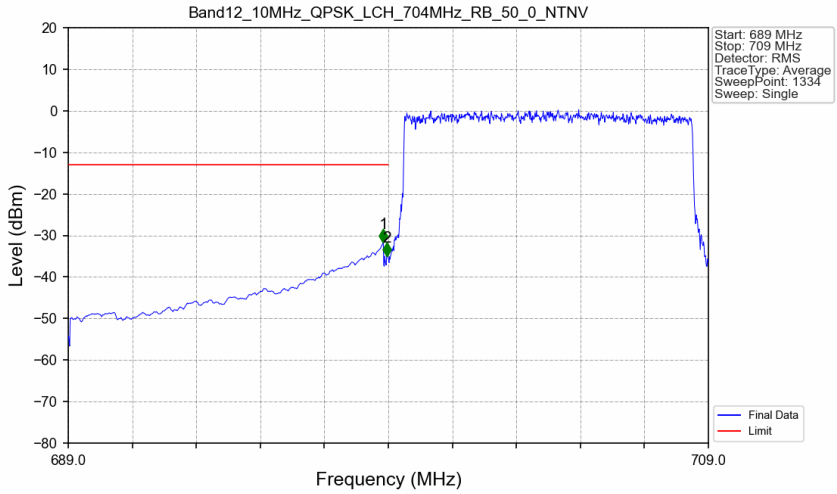


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-38.64	-13	Pass
698.9	699	0.03	/	2	698.992	-37.48	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

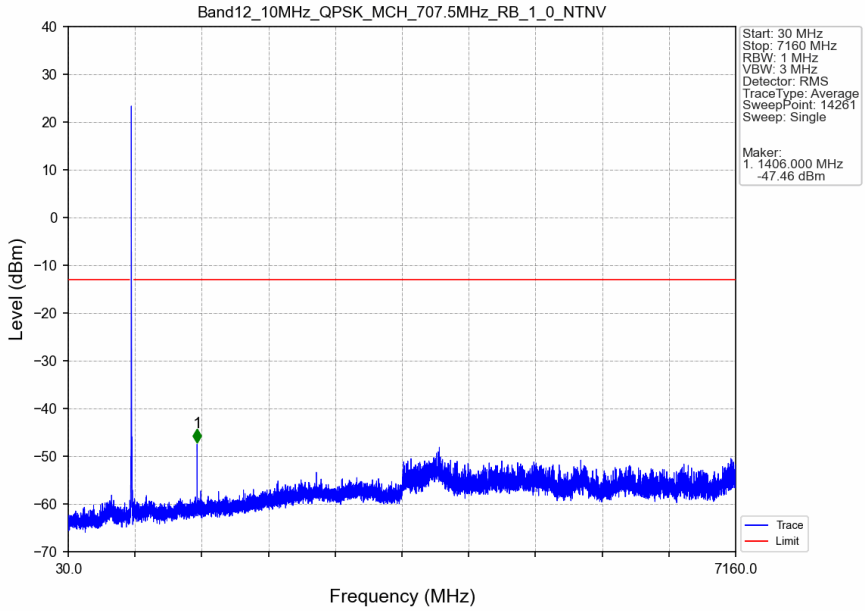


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

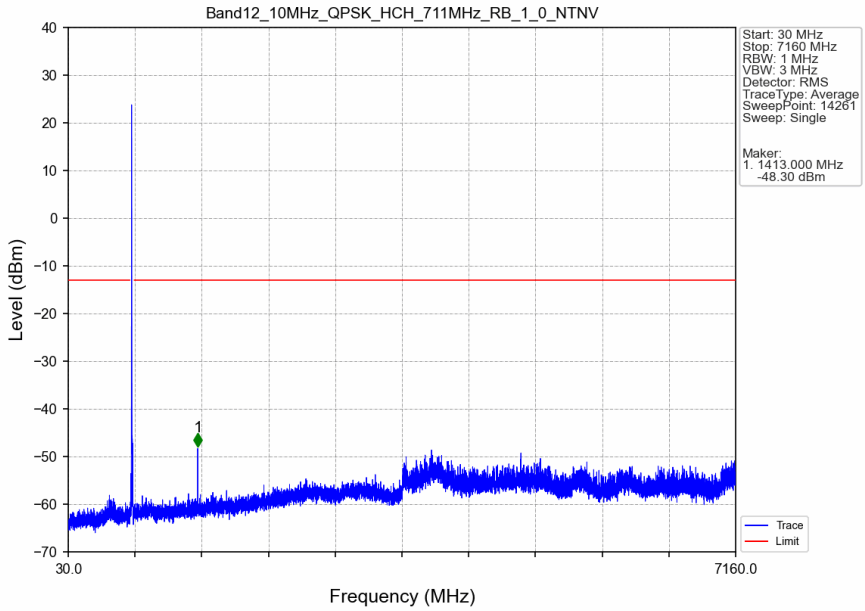


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-31.75	-13	Pass
698.9	699	0.03	/	2	698.947	-34.88	-13	Pass
699	709	0.03	/	/	/	/	/	/

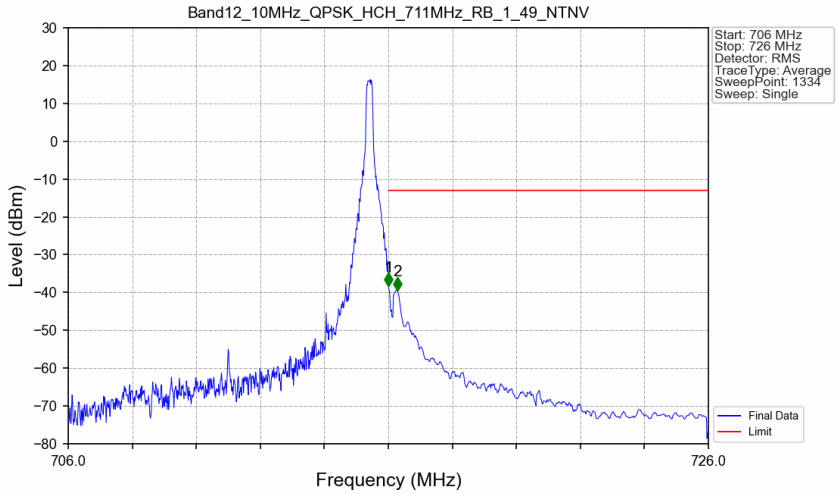
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

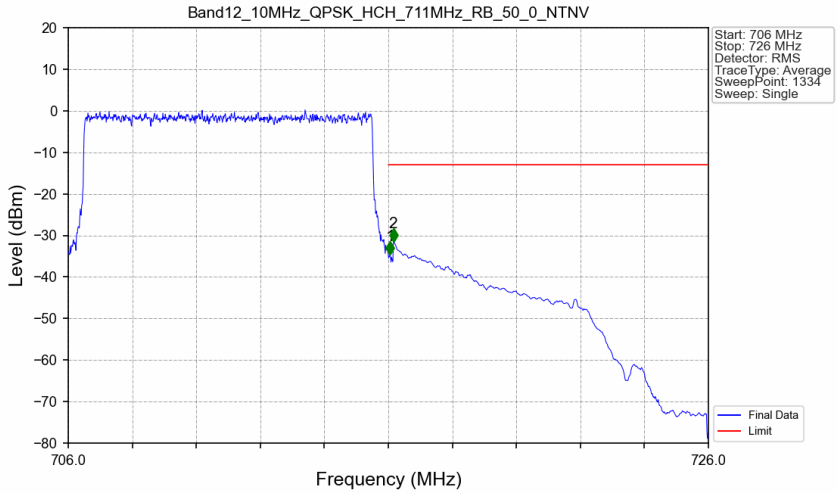


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-38.31	-13	Pass
716.1	726	0.1	CHP	2	716.278	-39.37	-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	716.053	-34.52	-13	Pass
716.1	726	0.1	CHP	2	716.158	-31.43	-13	Pass