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	24.11	-1.52	20.44	<=34.77	Pass
			2	24.11	-1.52	20.44	<=34.77	Pass
			5	24.11	-1.52	20.44	<=34.77	Pass
		3	0	24.11	-1.52	20.44	<=34.77	Pass
			2	24.13	-1.52	20.46	<=34.77	Pass
			3	24.11	-1.52	20.44	<=34.77	Pass
		6	0	23.10	-1.52	19.43	<=34.77	Pass
	707.5	1	0	24.22	-1.52	20.55	<=34.77	Pass
			2	24.28	-1.52	20.61	<=34.77	Pass
			5	24.23	-1.52	20.56	<=34.77	Pass
		3	0	24.19	-1.52	20.52	<=34.77	Pass
			2	24.23	-1.52	20.56	<=34.77	Pass
			3	24.26	-1.52	20.59	<=34.77	Pass
		6	0	23.23	-1.52	19.56	<=34.77	Pass
	715.3	1	0	24.21	-1.52	20.54	<=34.77	Pass
			2	24.26	-1.52	20.59	<=34.77	Pass
			5	24.19	-1.52	20.52	<=34.77	Pass
		3	0	24.13	-1.52	20.46	<=34.77	Pass
			2	24.12	-1.52	20.45	<=34.77	Pass
			3	24.09	-1.52	20.42	<=34.77	Pass
		6	0	23.17	-1.52	19.50	<=34.77	Pass
16QAM	699.7	1	0	23.14	-1.52	19.47	<=34.77	Pass
			2	23.26	-1.52	19.59	<=34.77	Pass
			5	23.18	-1.52	19.51	<=34.77	Pass
		3	0	23.10	-1.52	19.43	<=34.77	Pass
			2	23.15	-1.52	19.48	<=34.77	Pass
			3	23.09	-1.52	19.42	<=34.77	Pass
		6	0	22.12	-1.52	18.45	<=34.77	Pass
	707.5	1	0	23.31	-1.52	19.64	<=34.77	Pass
			2	23.35	-1.52	19.68	<=34.77	Pass
			5	23.38	-1.52	19.71	<=34.77	Pass
		3	0	23.28	-1.52	19.61	<=34.77	Pass
			2	23.32	-1.52	19.65	<=34.77	Pass
			3	23.35	-1.52	19.68	<=34.77	Pass
		6	0	22.26	-1.52	18.59	<=34.77	Pass
	715.3	1	0	23.27	-1.52	19.60	<=34.77	Pass
			2	23.24	-1.52	19.57	<=34.77	Pass
			5	23.22	-1.52	19.55	<=34.77	Pass
		3	0	23.15	-1.52	19.48	<=34.77	Pass
			2	23.14	-1.52	19.47	<=34.77	Pass
			3	23.17	-1.52	19.50	<=34.77	Pass
		6	0	22.15	-1.52	18.48	<=34.77	Pass
64QAM	699.7	1	0	22.14	-1.52	18.47	<=34.77	Pass
			2	22.28	-1.52	18.61	<=34.77	Pass
			5	22.28	-1.52	18.61	<=34.77	Pass
		3	0	22.17	-1.52	18.50	<=34.77	Pass
			2	22.20	-1.52	18.53	<=34.77	Pass
			3	22.21	-1.52	18.54	<=34.77	Pass
		6	0	21.11	-1.52	17.44	<=34.77	Pass

	707.5	1	0	22.42	-1.52	18.75	<=34.77	Pass
			2	22.59	-1.52	18.92	<=34.77	Pass
			5	22.46	-1.52	18.79	<=34.77	Pass
		3	0	22.32	-1.52	18.65	<=34.77	Pass
			2	22.35	-1.52	18.68	<=34.77	Pass
			3	22.31	-1.52	18.64	<=34.77	Pass
		6	0	21.28	-1.52	17.61	<=34.77	Pass
	715.3	1	0	22.42	-1.52	18.75	<=34.77	Pass
			2	22.40	-1.52	18.73	<=34.77	Pass
			5	22.35	-1.52	18.68	<=34.77	Pass
		3	0	22.21	-1.52	18.54	<=34.77	Pass
			2	22.23	-1.52	18.56	<=34.77	Pass
			3	22.27	-1.52	18.60	<=34.77	Pass
		6	0	21.17	-1.52	17.50	<=34.77	Pass
256QAM	699.7	1	0	19.29	-1.52	15.62	<=34.77	Pass
			2	19.27	-1.52	15.60	<=34.77	Pass
			5	19.21	-1.52	15.54	<=34.77	Pass
		3	0	19.21	-1.52	15.54	<=34.77	Pass
			2	19.21	-1.52	15.54	<=34.77	Pass
			3	19.09	-1.52	15.42	<=34.77	Pass
		6	0	19.07	-1.52	15.40	<=34.77	Pass
	707.5	1	0	19.35	-1.52	15.68	<=34.77	Pass
			2	19.45	-1.52	15.78	<=34.77	Pass
			5	19.35	-1.52	15.68	<=34.77	Pass
		3	0	19.24	-1.52	15.57	<=34.77	Pass
			2	19.30	-1.52	15.63	<=34.77	Pass
			3	19.34	-1.52	15.67	<=34.77	Pass
		6	0	19.22	-1.52	15.55	<=34.77	Pass
	715.3	1	0	19.37	-1.52	15.70	<=34.77	Pass
			2	19.34	-1.52	15.67	<=34.77	Pass
			5	19.24	-1.52	15.57	<=34.77	Pass
		3	0	19.21	-1.52	15.54	<=34.77	Pass
			2	19.22	-1.52	15.55	<=34.77	Pass
			3	19.16	-1.52	15.49	<=34.77	Pass
		6	0	19.15	-1.52	15.48	<=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	24.00	-1.52	20.33	<=34.77	Pass
			7	24.14	-1.52	20.47	<=34.77	Pass
			14	24.06	-1.52	20.39	<=34.77	Pass
		8	0	23.12	-1.52	19.45	<=34.77	Pass
			4	23.14	-1.52	19.47	<=34.77	Pass
			7	23.12	-1.52	19.45	<=34.77	Pass
		15	0	23.13	-1.52	19.46	<=34.77	Pass
	707.5	1	0	24.17	-1.52	20.50	<=34.77	Pass
			7	24.29	-1.52	20.62	<=34.77	Pass
			14	24.23	-1.52	20.56	<=34.77	Pass
		8	0	23.18	-1.52	19.51	<=34.77	Pass
			4	23.28	-1.52	19.61	<=34.77	Pass
			7	23.28	-1.52	19.61	<=34.77	Pass
		15	0	23.27	-1.52	19.60	<=34.77	Pass
	714.5	1	0	24.22	-1.52	20.55	<=34.77	Pass

			7	24.23	-1.52	20.56	<=34.77	Pass
			14	24.14	-1.52	20.47	<=34.77	Pass
		8	0	23.18	-1.52	19.51	<=34.77	Pass
			4	23.26	-1.52	19.59	<=34.77	Pass
			7	23.17	-1.52	19.50	<=34.77	Pass
		15	0	23.15	-1.52	19.48	<=34.77	Pass
16QAM	700.5	1	0	23.27	-1.52	19.60	<=34.77	Pass
			7	23.26	-1.52	19.59	<=34.77	Pass
			14	23.25	-1.52	19.58	<=34.77	Pass
		8	0	22.15	-1.52	18.48	<=34.77	Pass
			4	22.15	-1.52	18.48	<=34.77	Pass
			7	22.15	-1.52	18.48	<=34.77	Pass
		15	0	22.17	-1.52	18.50	<=34.77	Pass
	707.5	1	0	23.36	-1.52	19.69	<=34.77	Pass
			7	23.39	-1.52	19.72	<=34.77	Pass
			14	23.41	-1.52	19.74	<=34.77	Pass
		8	0	22.21	-1.52	18.54	<=34.77	Pass
			4	22.30	-1.52	18.63	<=34.77	Pass
			7	22.25	-1.52	18.58	<=34.77	Pass
		15	0	22.25	-1.52	18.58	<=34.77	Pass
	714.5	1	0	23.26	-1.52	19.59	<=34.77	Pass
			7	23.36	-1.52	19.69	<=34.77	Pass
			14	23.18	-1.52	19.51	<=34.77	Pass
		8	0	22.22	-1.52	18.55	<=34.77	Pass
			4	22.28	-1.52	18.61	<=34.77	Pass
			7	22.20	-1.52	18.53	<=34.77	Pass
		15	0	22.13	-1.52	18.46	<=34.77	Pass
64QAM	700.5	1	0	22.34	-1.52	18.67	<=34.77	Pass
			7	22.38	-1.52	18.71	<=34.77	Pass
			14	22.31	-1.52	18.64	<=34.77	Pass
		8	0	21.18	-1.52	17.51	<=34.77	Pass
			4	21.14	-1.52	17.47	<=34.77	Pass
			7	21.16	-1.52	17.49	<=34.77	Pass
		15	0	21.14	-1.52	17.47	<=34.77	Pass
	707.5	1	0	22.37	-1.52	18.70	<=34.77	Pass
			7	22.40	-1.52	18.73	<=34.77	Pass
			14	22.46	-1.52	18.79	<=34.77	Pass
		8	0	21.23	-1.52	17.56	<=34.77	Pass
			4	21.33	-1.52	17.66	<=34.77	Pass
			7	21.32	-1.52	17.65	<=34.77	Pass
		15	0	21.29	-1.52	17.62	<=34.77	Pass
	714.5	1	0	22.48	-1.52	18.81	<=34.77	Pass
			7	22.40	-1.52	18.73	<=34.77	Pass
			14	22.37	-1.52	18.70	<=34.77	Pass
		8	0	21.21	-1.52	17.54	<=34.77	Pass
			4	21.30	-1.52	17.63	<=34.77	Pass
			7	21.27	-1.52	17.60	<=34.77	Pass
		15	0	21.17	-1.52	17.50	<=34.77	Pass
256QAM	700.5	1	0	19.32	-1.52	15.65	<=34.77	Pass
			7	19.29	-1.52	15.62	<=34.77	Pass
			14	19.21	-1.52	15.54	<=34.77	Pass
		8	0	19.16	-1.52	15.49	<=34.77	Pass
			4	19.18	-1.52	15.51	<=34.77	Pass
			7	19.12	-1.52	15.45	<=34.77	Pass
		15	0	19.18	-1.52	15.51	<=34.77	Pass
	707.5	1	0	19.28	-1.52	15.61	<=34.77	Pass
			7	19.37	-1.52	15.70	<=34.77	Pass
			14	19.32	-1.52	15.65	<=34.77	Pass
		8	0	19.23	-1.52	15.56	<=34.77	Pass

			4	19.34	-1.52	15.67	<=34.77	Pass
			7	19.33	-1.52	15.66	<=34.77	Pass
		15	0	19.29	-1.52	15.62	<=34.77	Pass
	714.5	1	0	19.36	-1.52	15.69	<=34.77	Pass
			7	19.42	-1.52	15.75	<=34.77	Pass
			14	19.28	-1.52	15.61	<=34.77	Pass
		8	0	19.23	-1.52	15.56	<=34.77	Pass
			4	19.34	-1.52	15.67	<=34.77	Pass
			7	19.26	-1.52	15.59	<=34.77	Pass
		15	0	19.21	-1.52	15.54	<=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	24.19	-1.52	20.52	<=34.77	Pass
			13	24.27	-1.52	20.60	<=34.77	Pass
			24	24.21	-1.52	20.54	<=34.77	Pass
		12	0	23.18	-1.52	19.51	<=34.77	Pass
			6	23.24	-1.52	19.57	<=34.77	Pass
			13	23.23	-1.52	19.56	<=34.77	Pass
		25	0	23.20	-1.52	19.53	<=34.77	Pass
	707.5	1	0	24.20	-1.52	20.53	<=34.77	Pass
			13	24.32	-1.52	20.65	<=34.77	Pass
			24	24.24	-1.52	20.57	<=34.77	Pass
		12	0	23.21	-1.52	19.54	<=34.77	Pass
			6	23.27	-1.52	19.60	<=34.77	Pass
			13	23.30	-1.52	19.63	<=34.77	Pass
		25	0	23.28	-1.52	19.61	<=34.77	Pass
	713.5	1	0	24.31	-1.52	20.64	<=34.77	Pass
			13	24.35	-1.52	20.68	<=34.77	Pass
			24	24.19	-1.52	20.52	<=34.77	Pass
		12	0	23.28	-1.52	19.61	<=34.77	Pass
			6	23.26	-1.52	19.59	<=34.77	Pass
			13	23.24	-1.52	19.57	<=34.77	Pass
		25	0	23.22	-1.52	19.55	<=34.77	Pass
16QAM	701.5	1	0	23.23	-1.52	19.56	<=34.77	Pass
			13	23.30	-1.52	19.63	<=34.77	Pass
			24	23.21	-1.52	19.54	<=34.77	Pass
		12	0	22.20	-1.52	18.53	<=34.77	Pass
			6	22.24	-1.52	18.57	<=34.77	Pass
			13	22.21	-1.52	18.54	<=34.77	Pass
		25	0	22.21	-1.52	18.54	<=34.77	Pass
	707.5	1	0	23.34	-1.52	19.67	<=34.77	Pass
			13	23.45	-1.52	19.78	<=34.77	Pass
			24	23.38	-1.52	19.71	<=34.77	Pass
		12	0	22.25	-1.52	18.58	<=34.77	Pass
			6	22.29	-1.52	18.62	<=34.77	Pass
			13	22.34	-1.52	18.67	<=34.77	Pass
		25	0	22.33	-1.52	18.66	<=34.77	Pass
	713.5	1	0	23.47	-1.52	19.80	<=34.77	Pass
			13	23.52	-1.52	19.85	<=34.77	Pass
			24	23.32	-1.52	19.65	<=34.77	Pass
		12	0	22.30	-1.52	18.63	<=34.77	Pass
			6	22.29	-1.52	18.62	<=34.77	Pass

			13	22.19	-1.52	18.52	<=34.77	Pass
		25	0	22.22	-1.52	18.55	<=34.77	Pass
64QAM	701.5	1	0	22.42	-1.52	18.75	<=34.77	Pass
			13	22.40	-1.52	18.73	<=34.77	Pass
			24	22.37	-1.52	18.70	<=34.77	Pass
		12	0	21.17	-1.52	17.50	<=34.77	Pass
			6	21.34	-1.52	17.67	<=34.77	Pass
			13	21.29	-1.52	17.62	<=34.77	Pass
		25	0	21.22	-1.52	17.55	<=34.77	Pass
	707.5	1	0	22.63	-1.52	18.96	<=34.77	Pass
			13	22.71	-1.52	19.04	<=34.77	Pass
			24	22.65	-1.52	18.98	<=34.77	Pass
		12	0	21.22	-1.52	17.55	<=34.77	Pass
			6	21.28	-1.52	17.61	<=34.77	Pass
			13	21.38	-1.52	17.71	<=34.77	Pass
		25	0	21.29	-1.52	17.62	<=34.77	Pass
	713.5	1	0	22.61	-1.52	18.94	<=34.77	Pass
			13	22.53	-1.52	18.86	<=34.77	Pass
			24	22.47	-1.52	18.80	<=34.77	Pass
		12	0	21.28	-1.52	17.61	<=34.77	Pass
			6	21.32	-1.52	17.65	<=34.77	Pass
			13	21.26	-1.52	17.59	<=34.77	Pass
		25	0	21.28	-1.52	17.61	<=34.77	Pass
256QAM	701.5	1	0	19.27	-1.52	15.60	<=34.77	Pass
			13	19.25	-1.52	15.58	<=34.77	Pass
			24	19.35	-1.52	15.68	<=34.77	Pass
		12	0	19.25	-1.52	15.58	<=34.77	Pass
			6	19.29	-1.52	15.62	<=34.77	Pass
			13	19.29	-1.52	15.62	<=34.77	Pass
		25	0	19.22	-1.52	15.55	<=34.77	Pass
	707.5	1	0	19.34	-1.52	15.67	<=34.77	Pass
			13	19.47	-1.52	15.80	<=34.77	Pass
			24	19.46	-1.52	15.79	<=34.77	Pass
		12	0	19.29	-1.52	15.62	<=34.77	Pass
			6	19.30	-1.52	15.63	<=34.77	Pass
			13	19.37	-1.52	15.70	<=34.77	Pass
		25	0	19.32	-1.52	15.65	<=34.77	Pass
	713.5	1	0	19.39	-1.52	15.72	<=34.77	Pass
			13	19.47	-1.52	15.80	<=34.77	Pass
			24	19.30	-1.52	15.63	<=34.77	Pass
		12	0	19.33	-1.52	15.66	<=34.77	Pass
			6	19.34	-1.52	15.67	<=34.77	Pass
			13	19.31	-1.52	15.64	<=34.77	Pass
		25	0	19.28	-1.52	15.61	<=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	24.14	-1.52	20.47	<=34.77	Pass
			25	24.26	-1.52	20.59	<=34.77	Pass
			49	24.31	-1.52	20.64	<=34.77	Pass
		25	0	23.17	-1.52	19.50	<=34.77	Pass
			13	23.32	-1.52	19.65	<=34.77	Pass
			25	23.31	-1.52	19.64	<=34.77	Pass

		50	0	23.28	-1.52	19.61	<=34.77	Pass
	707.5	1	0	24.24	-1.52	20.57	<=34.77	Pass
			25	24.32	-1.52	20.65	<=34.77	Pass
			49	24.23	-1.52	20.56	<=34.77	Pass
		25	0	23.22	-1.52	19.55	<=34.77	Pass
			13	23.37	-1.52	19.70	<=34.77	Pass
			25	23.32	-1.52	19.65	<=34.77	Pass
		50	0	23.28	-1.52	19.61	<=34.77	Pass
	711	1	0	24.30	-1.52	20.63	<=34.77	Pass
			25	24.37	-1.52	20.70	<=34.77	Pass
			49	24.14	-1.52	20.47	<=34.77	Pass
		25	0	23.33	-1.52	19.66	<=34.77	Pass
			13	23.36	-1.52	19.69	<=34.77	Pass
			25	23.29	-1.52	19.62	<=34.77	Pass
		50	0	23.26	-1.52	19.59	<=34.77	Pass
16QAM	704	1	0	23.32	-1.52	19.65	<=34.77	Pass
			25	23.44	-1.52	19.77	<=34.77	Pass
			49	23.45	-1.52	19.78	<=34.77	Pass
		25	0	22.16	-1.52	18.49	<=34.77	Pass
			13	22.33	-1.52	18.66	<=34.77	Pass
			25	22.35	-1.52	18.68	<=34.77	Pass
		50	0	22.25	-1.52	18.58	<=34.77	Pass
	707.5	1	0	23.38	-1.52	19.71	<=34.77	Pass
			25	23.42	-1.52	19.75	<=34.77	Pass
			49	23.39	-1.52	19.72	<=34.77	Pass
		25	0	22.22	-1.52	18.55	<=34.77	Pass
			13	22.34	-1.52	18.67	<=34.77	Pass
			25	22.34	-1.52	18.67	<=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	23.51	-1.52	19.84	<=34.77	Pass
			49	23.26	-1.52	19.59	<=34.77	Pass
		25	0	22.33	-1.52	18.66	<=34.77	Pass
			13	22.39	-1.52	18.72	<=34.77	Pass
			25	22.29	-1.52	18.62	<=34.77	Pass
		50	0	22.28	-1.52	18.61	<=34.77	Pass
64QAM	704	1	0	22.40	-1.52	18.73	<=34.77	Pass
			25	22.49	-1.52	18.82	<=34.77	Pass
			49	22.68	-1.52	19.01	<=34.77	Pass
		25	0	21.21	-1.52	17.54	<=34.77	Pass
			13	21.32	-1.52	17.65	<=34.77	Pass
			25	21.29	-1.52	17.62	<=34.77	Pass
		50	0	21.28	-1.52	17.61	<=34.77	Pass
	707.5	1	0	22.41	-1.52	18.74	<=34.77	Pass
			25	22.51	-1.52	18.84	<=34.77	Pass
			49	22.46	-1.52	18.79	<=34.77	Pass
		25	0	21.24	-1.52	17.57	<=34.77	Pass
			13	21.39	-1.52	17.72	<=34.77	Pass
			25	21.34	-1.52	17.67	<=34.77	Pass
		50	0	21.31	-1.52	17.64	<=34.77	Pass
	711	1	0	22.55	-1.52	18.88	<=34.77	Pass
			25	22.65	-1.52	18.98	<=34.77	Pass
			49	22.36	-1.52	18.69	<=34.77	Pass
		25	0	21.31	-1.52	17.64	<=34.77	Pass
			13	21.37	-1.52	17.70	<=34.77	Pass
			25	21.30	-1.52	17.63	<=34.77	Pass
		50	0	21.26	-1.52	17.59	<=34.77	Pass
256QAM	704	1	0	19.35	-1.52	15.68	<=34.77	Pass
			25	19.35	-1.52	15.68	<=34.77	Pass

			49	19.53	-1.52	15.86	<=34.77	Pass
		25	0	19.20	-1.52	15.53	<=34.77	Pass
			13	19.37	-1.52	15.70	<=34.77	Pass
			25	19.40	-1.52	15.73	<=34.77	Pass
		50	0	19.31	-1.52	15.64	<=34.77	Pass
	707.5	1	0	19.32	-1.52	15.65	<=34.77	Pass
			25	19.52	-1.52	15.85	<=34.77	Pass
			49	19.50	-1.52	15.83	<=34.77	Pass
		25	0	19.25	-1.52	15.58	<=34.77	Pass
			13	19.38	-1.52	15.71	<=34.77	Pass
			25	19.37	-1.52	15.70	<=34.77	Pass
		50	0	19.38	-1.52	15.71	<=34.77	Pass
	711	1	0	19.37	-1.52	15.70	<=34.77	Pass
			25	19.57	-1.52	15.90	<=34.77	Pass
			49	19.40	-1.52	15.73	<=34.77	Pass
		25	0	19.36	-1.52	15.69	<=34.77	Pass
			13	19.46	-1.52	15.79	<=34.77	Pass
			25	19.35	-1.52	15.68	<=34.77	Pass
		50	0	19.32	-1.52	15.65	<=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	0.218	0.0003	-2.5 to 2.5	Pass
					NV	0.589	0.0008	-2.5 to 2.5	Pass
					HV	1.770	0.0025	-2.5 to 2.5	Pass
				-30	NV	0.524	0.0007	-2.5 to 2.5	Pass
				-20	NV	-0.129	-0.0002	-2.5 to 2.5	Pass
				-10	NV	-0.065	-0.0001	-2.5 to 2.5	Pass
				0	NV	-0.054	-0.0001	-2.5 to 2.5	Pass
				10	NV	-0.340	-0.0005	-2.5 to 2.5	Pass
				30	NV	0.076	0.0001	-2.5 to 2.5	Pass
				40	NV	-0.556	-0.0008	-2.5 to 2.5	Pass
				50	NV	0.295	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	1.118	/	Pass
	16QAM	707.5	6	0	1.123	/	Pass
	64QAM	707.5	6	0	1.120	/	Pass
	256QAM	707.5	6	0	1.115	/	Pass
3	QPSK	707.5	15	0	2.755	/	Pass
	16QAM	707.5	15	0	2.752	/	Pass
	64QAM	707.5	15	0	2.754	/	Pass
	256QAM	707.5	15	0	2.747	/	Pass
5	QPSK	707.5	25	0	4.580	/	Pass
	16QAM	707.5	25	0	4.591	/	Pass
	64QAM	707.5	25	0	4.577	/	Pass
	256QAM	707.5	25	0	4.577	/	Pass
10	QPSK	707.5	50	0	9.094	/	Pass
	16QAM	707.5	50	0	9.069	/	Pass
	64QAM	707.5	50	0	9.094	/	Pass
	256QAM	707.5	50	0	9.067	/	Pass

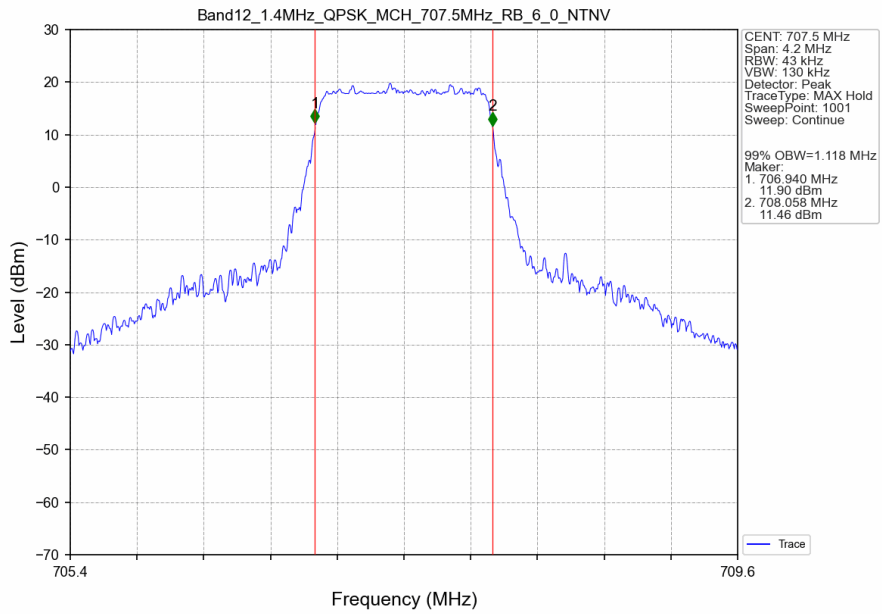
3.1.2 Band12_XDB

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	1.391	/	Pass
	16QAM	707.5	6	0	1.385	/	Pass
	64QAM	707.5	6	0	1.413	/	Pass
	256QAM	707.5	6	0	1.385	/	Pass
3	QPSK	707.5	15	0	3.102	/	Pass
	16QAM	707.5	15	0	3.130	/	Pass
	64QAM	707.5	15	0	3.127	/	Pass
	256QAM	707.5	15	0	3.113	/	Pass
5	QPSK	707.5	25	0	5.241	/	Pass
	16QAM	707.5	25	0	5.292	/	Pass
	64QAM	707.5	25	0	5.242	/	Pass
	256QAM	707.5	25	0	5.233	/	Pass
10	QPSK	707.5	50	0	10.166	/	Pass
	16QAM	707.5	50	0	10.238	/	Pass
	64QAM	707.5	50	0	10.208	/	Pass
	256QAM	707.5	50	0	10.178	/	Pass

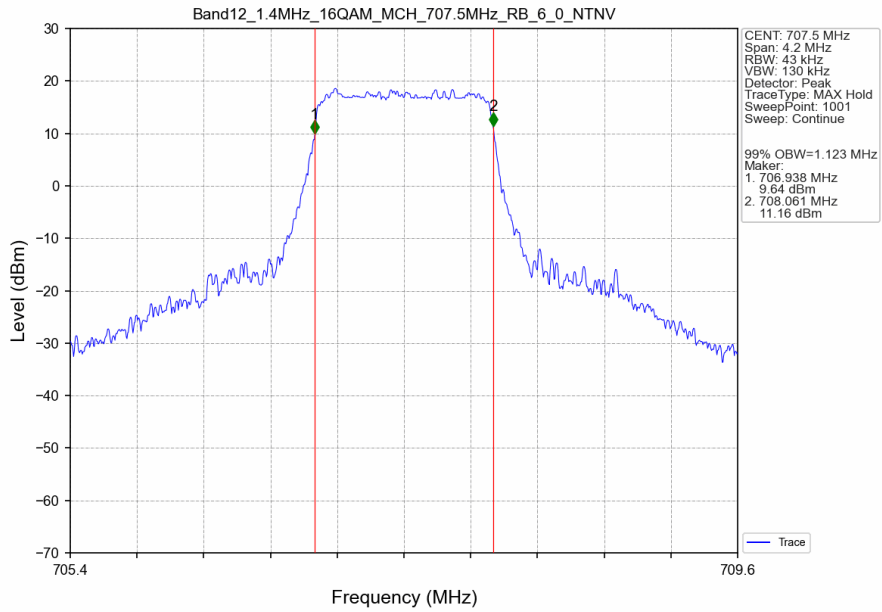
3.2 Test Graph

3.2.1 Band12_OBW

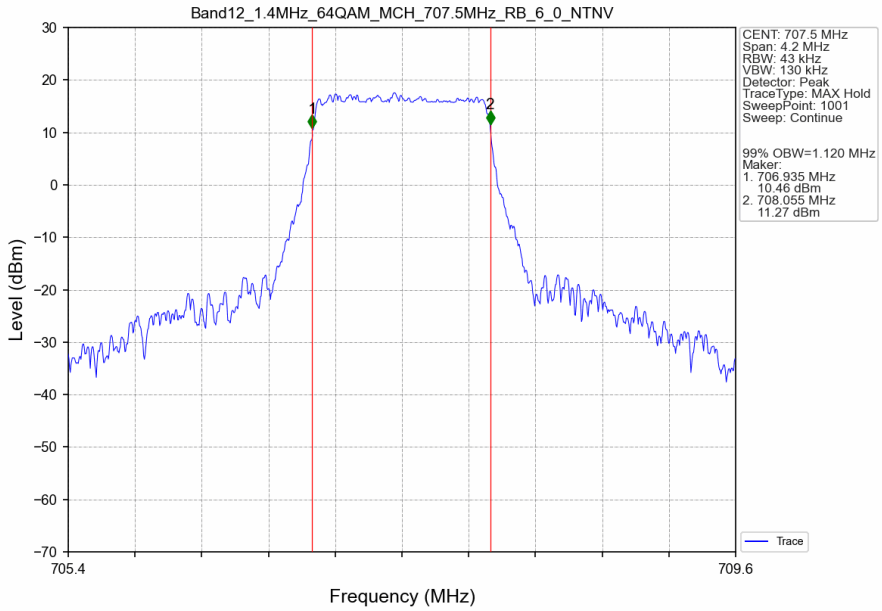
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



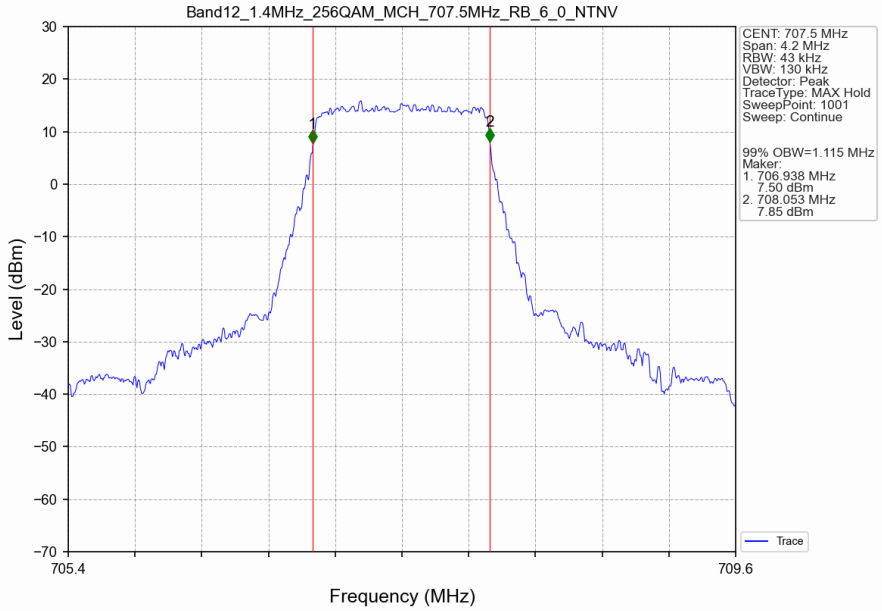
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



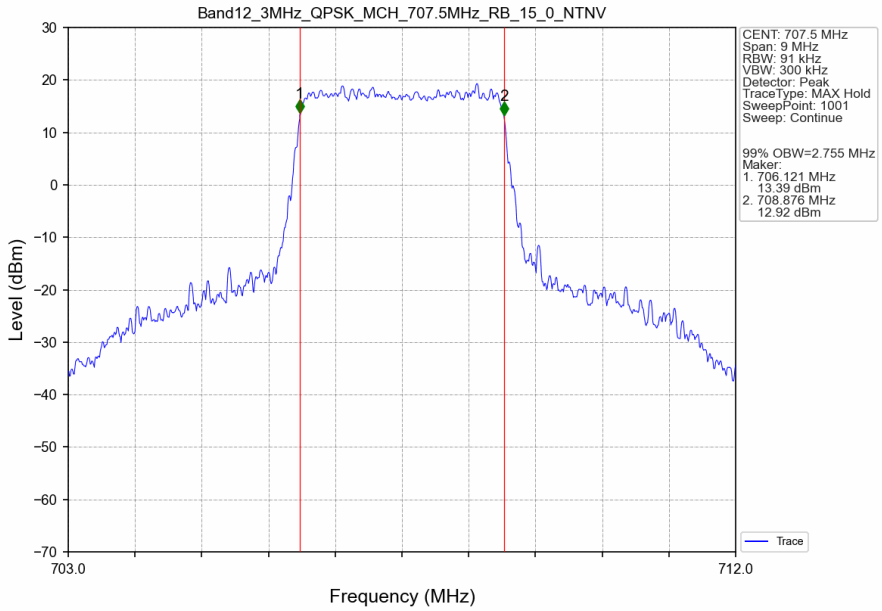
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



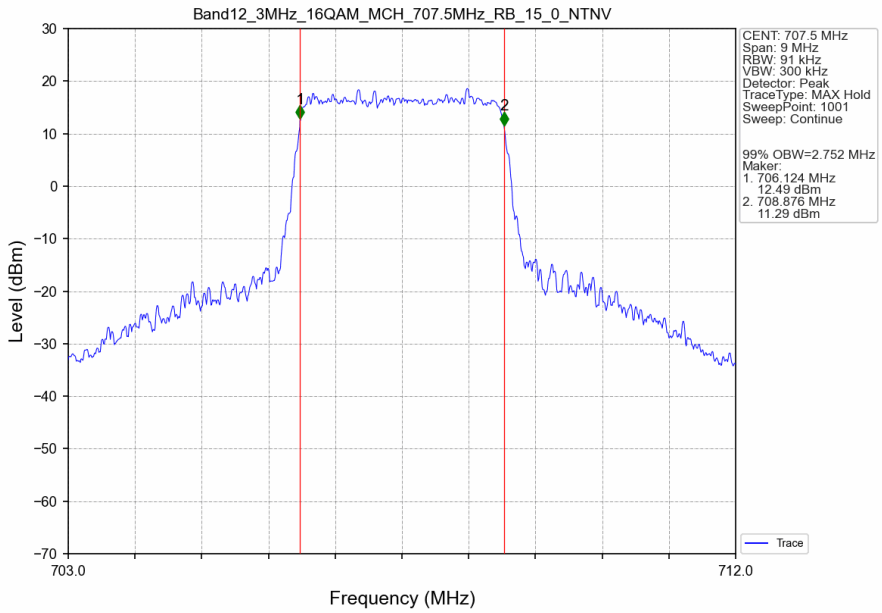
Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



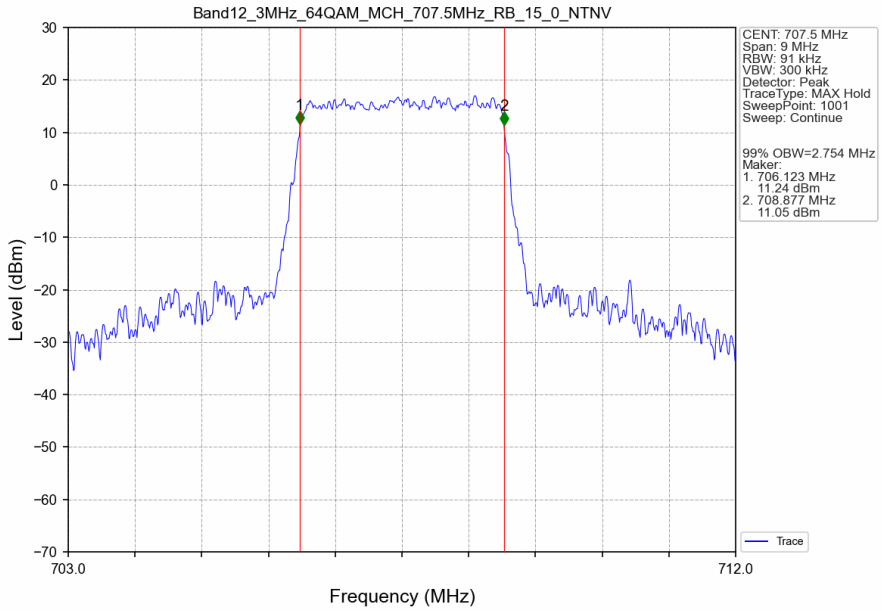
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



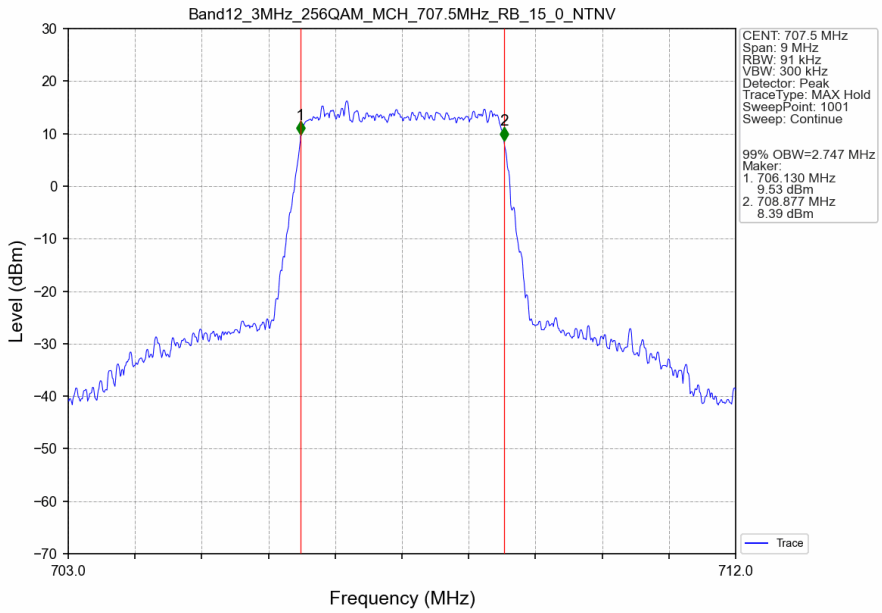
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



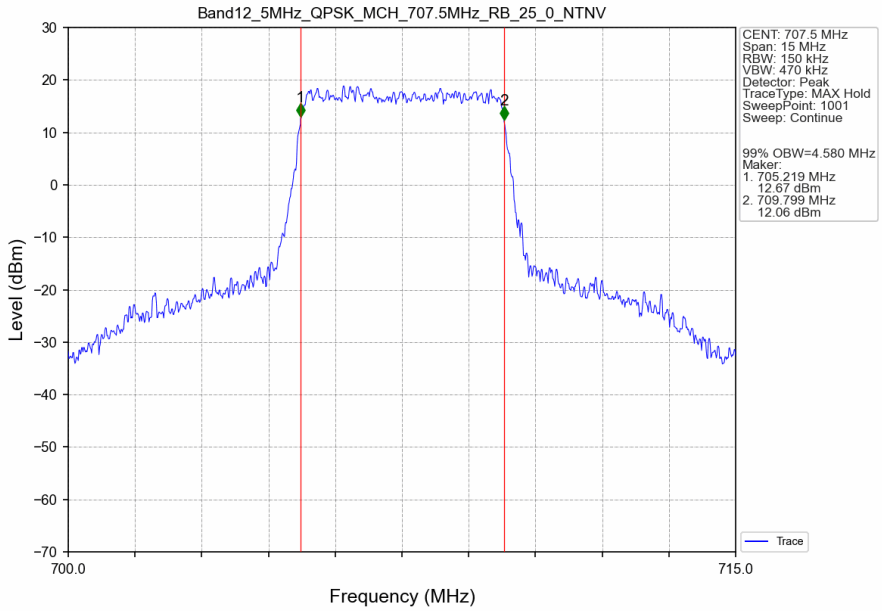
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



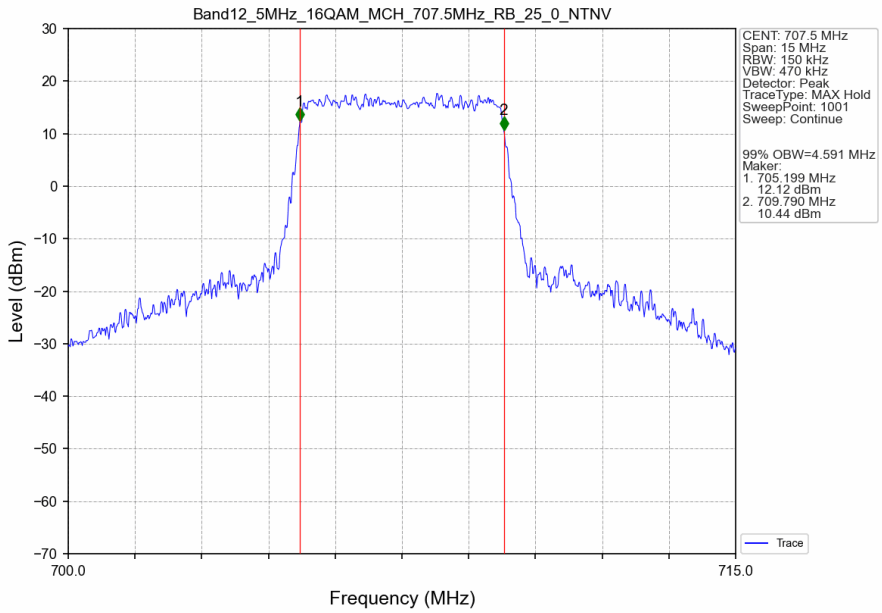
Band12_3MHz_256QAM_MCH_707.5MHz_RB_15_0_NTNV



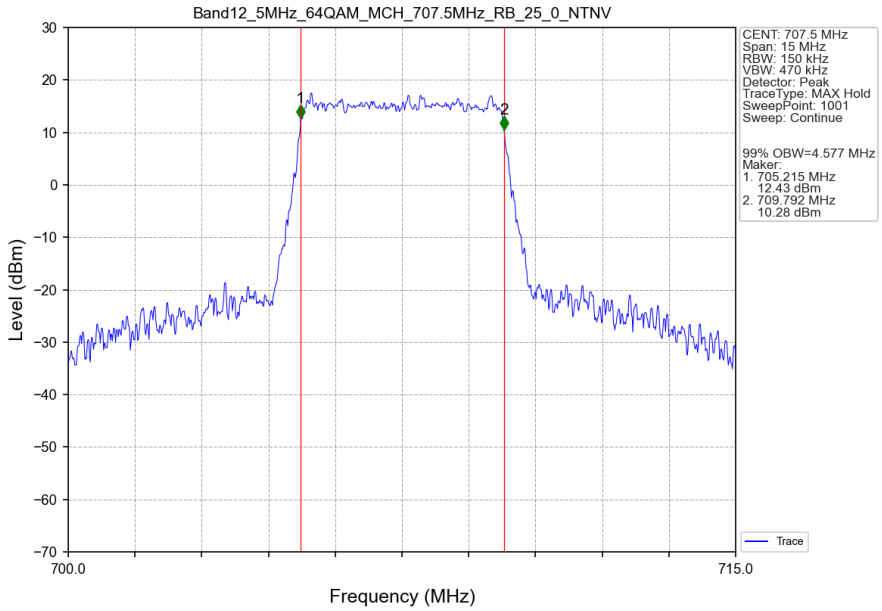
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



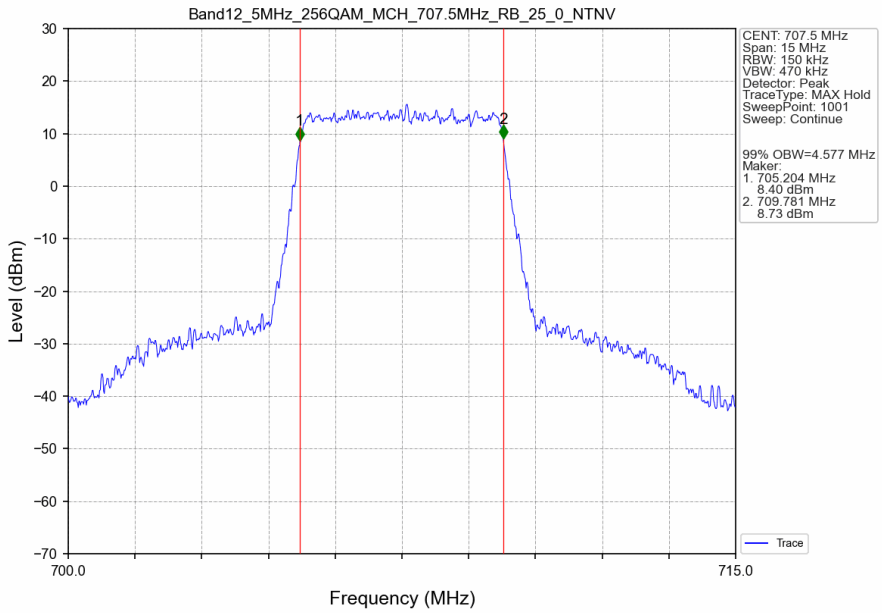
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



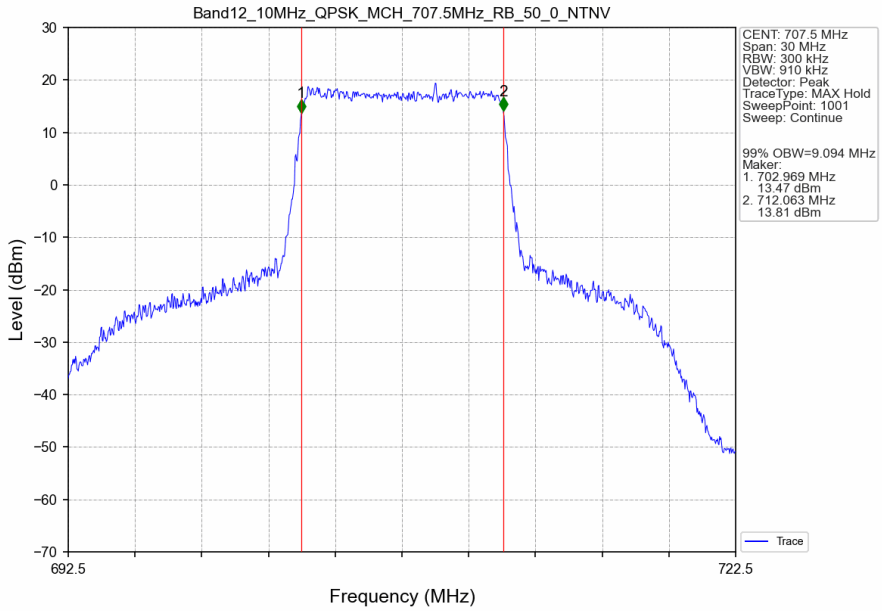
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



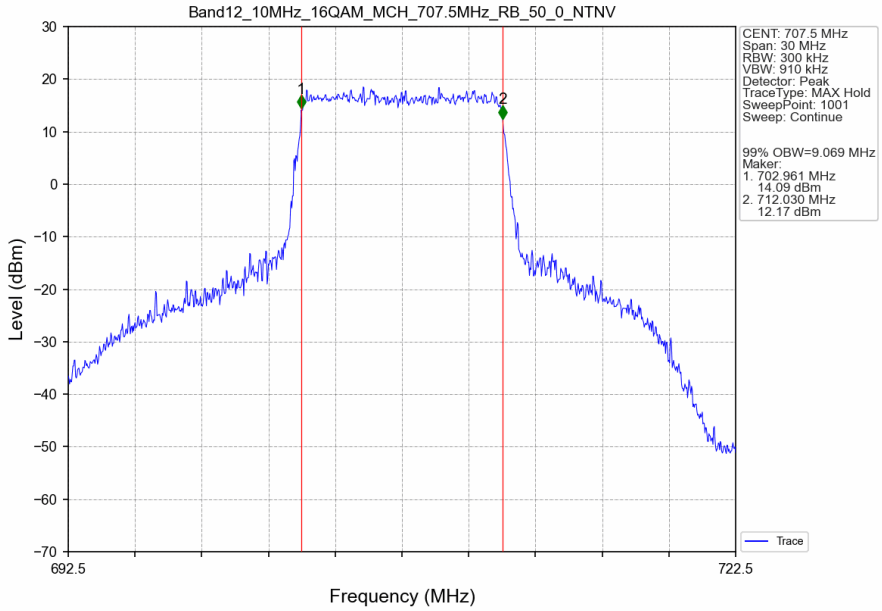
Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



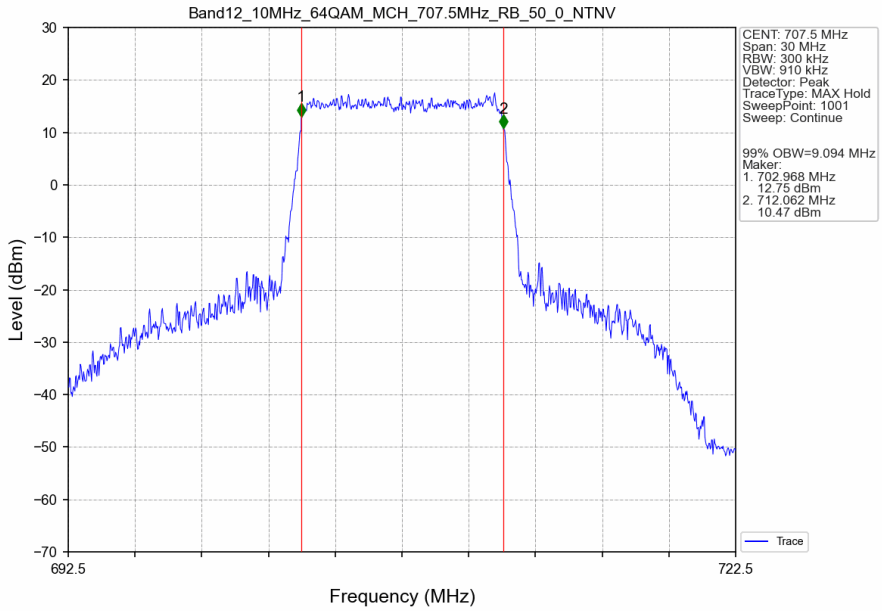
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



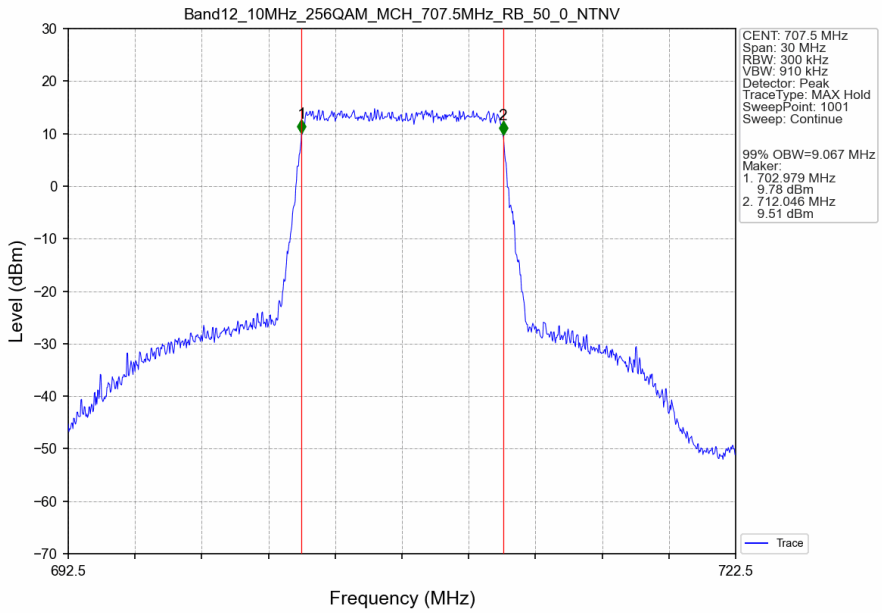
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



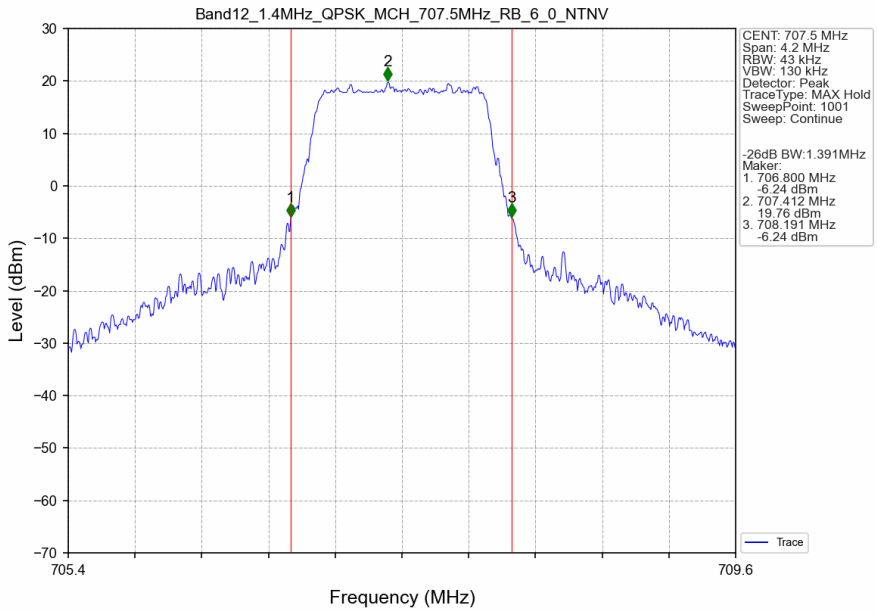
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV

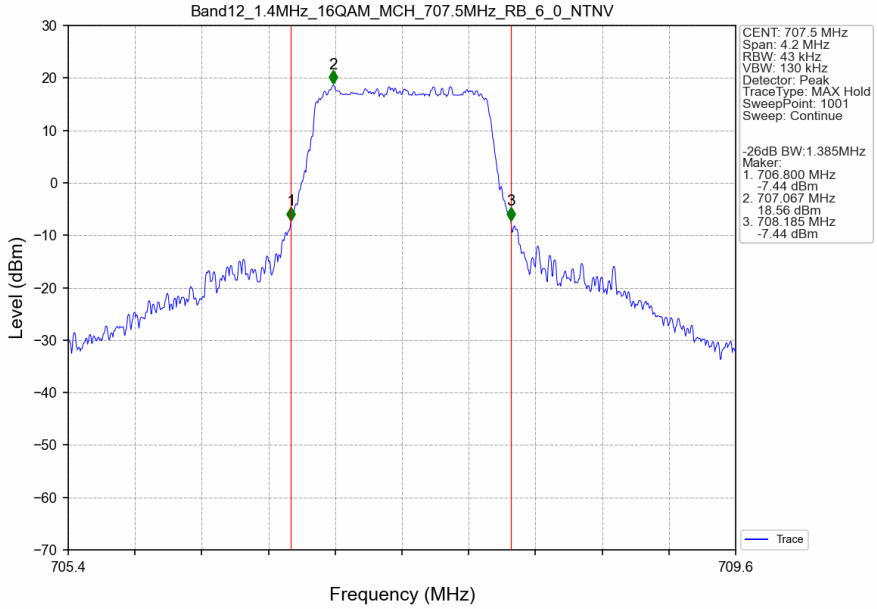


Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV

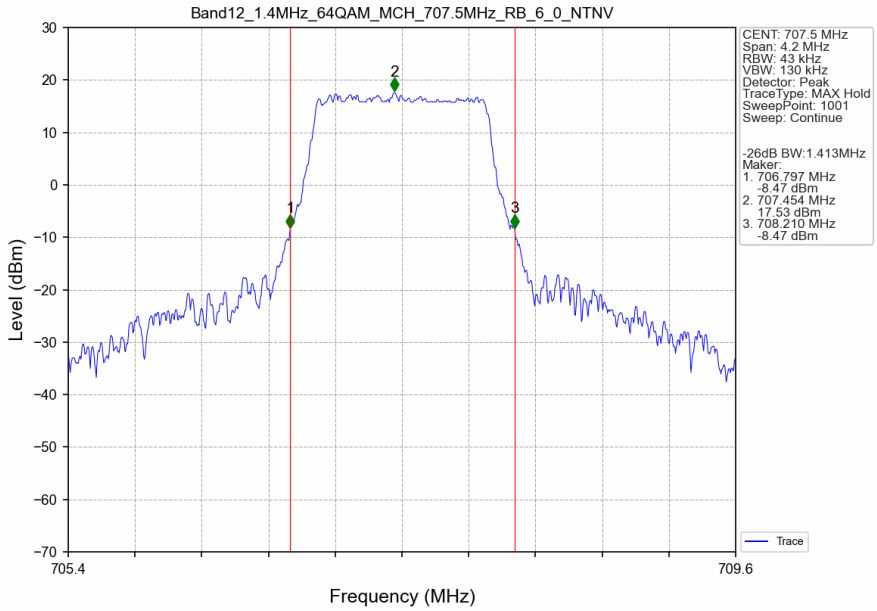


3.2.2 Band12_XDB

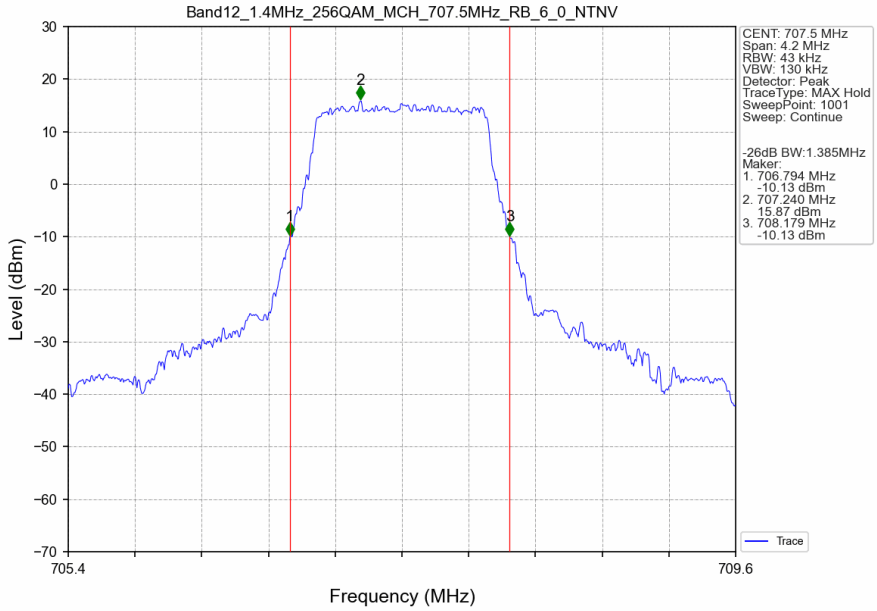
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


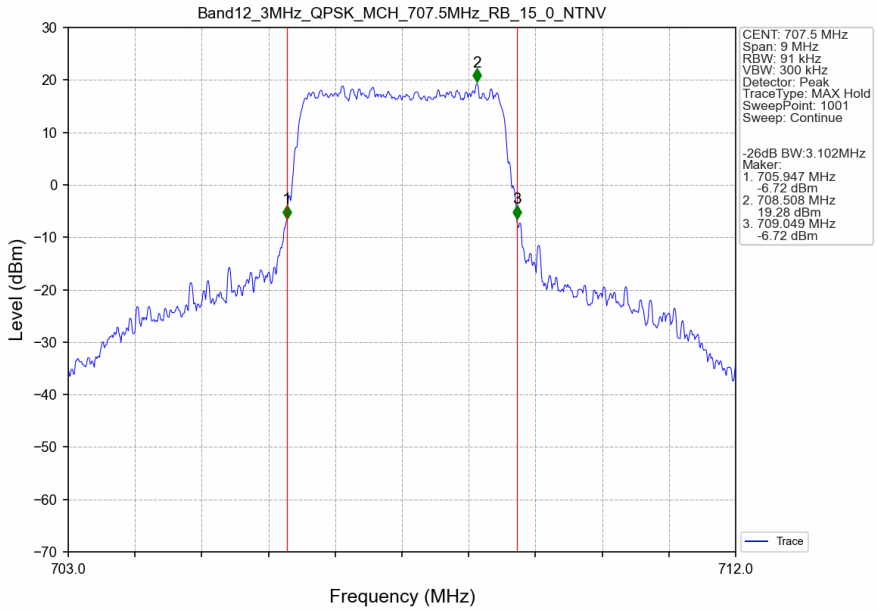
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



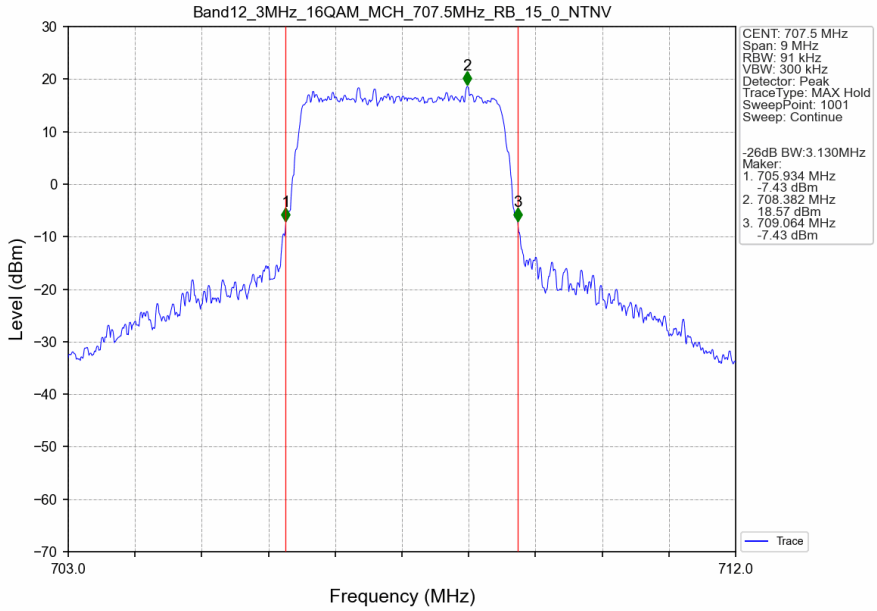
Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



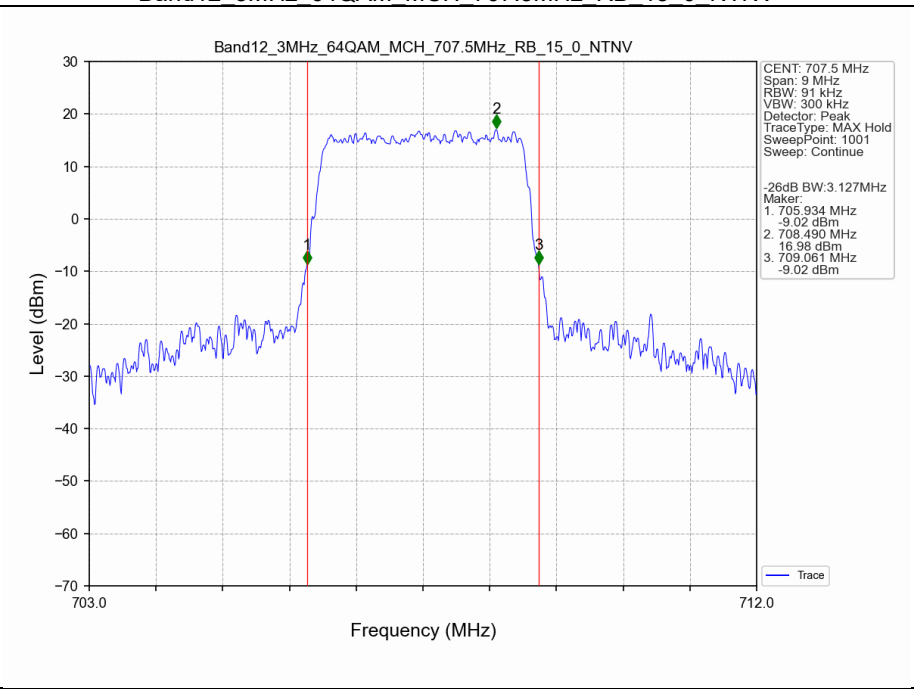
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



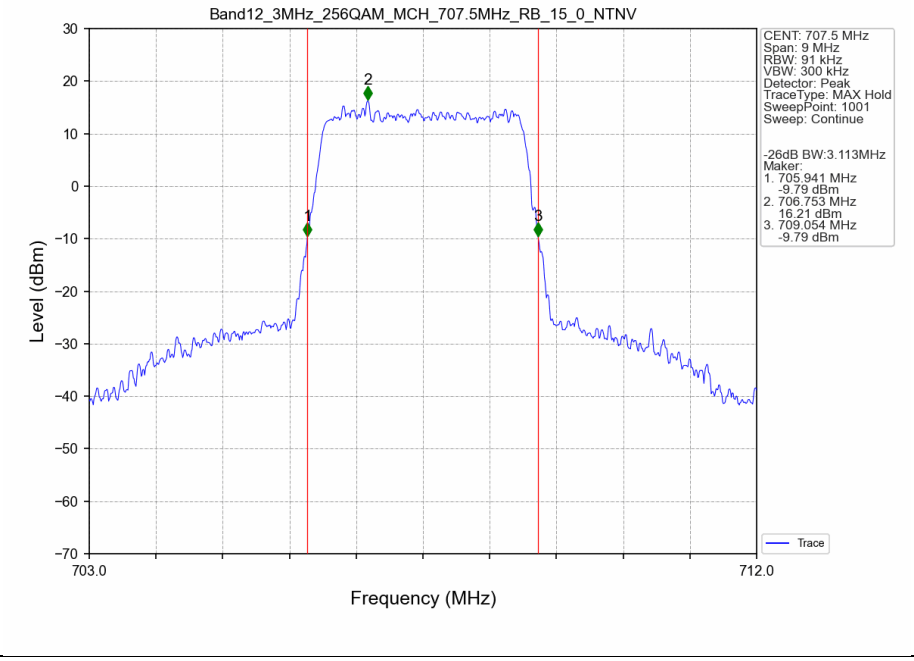
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



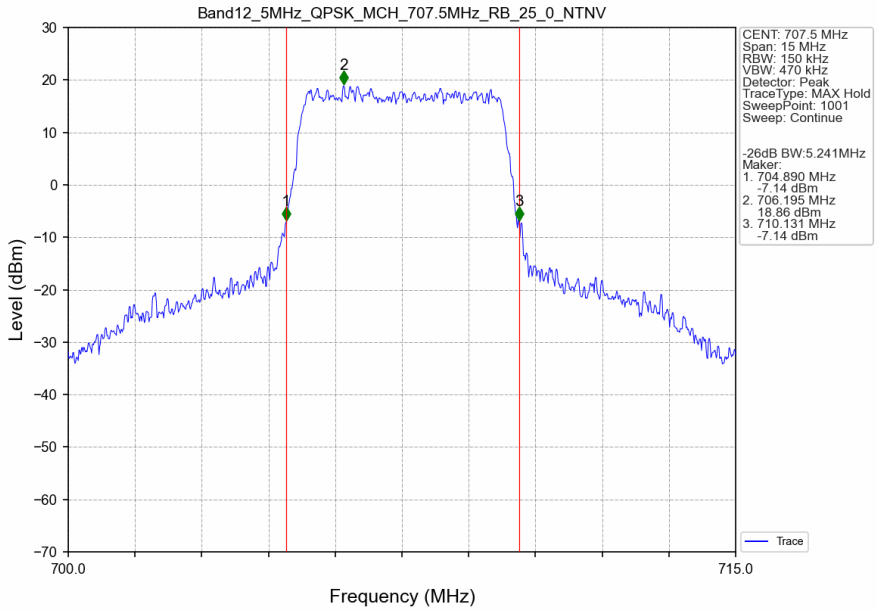
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



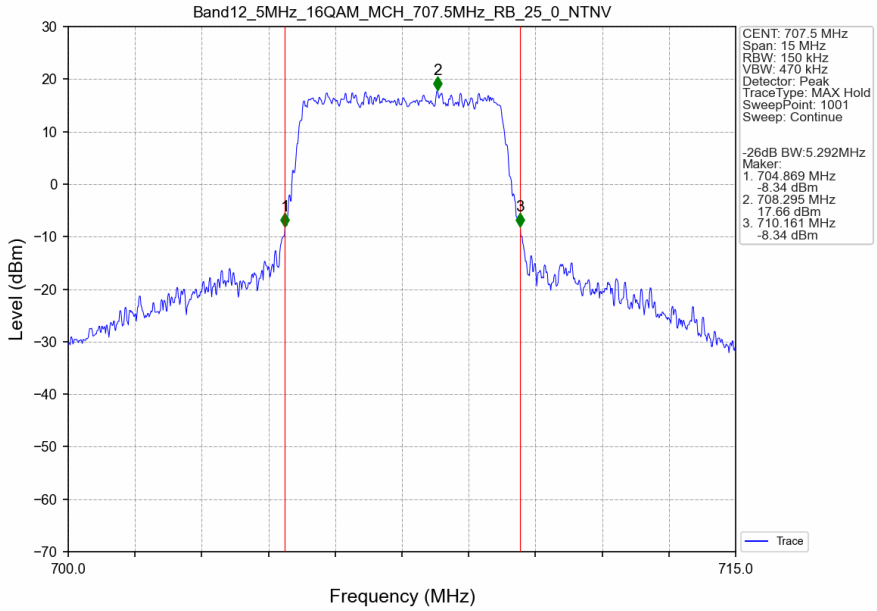
Band12_3MHz_256QAM_MCH_707.5MHz_RB_15_0_NTNV



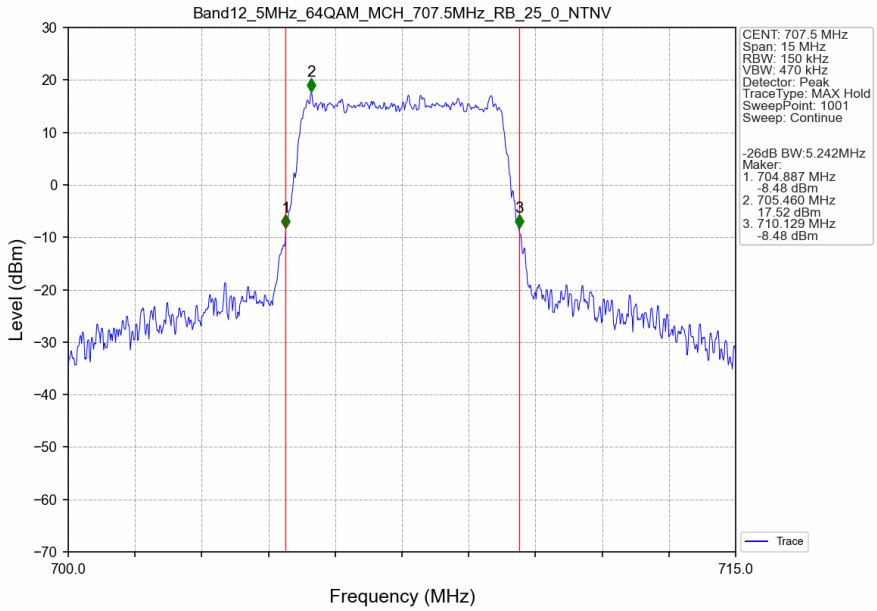
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



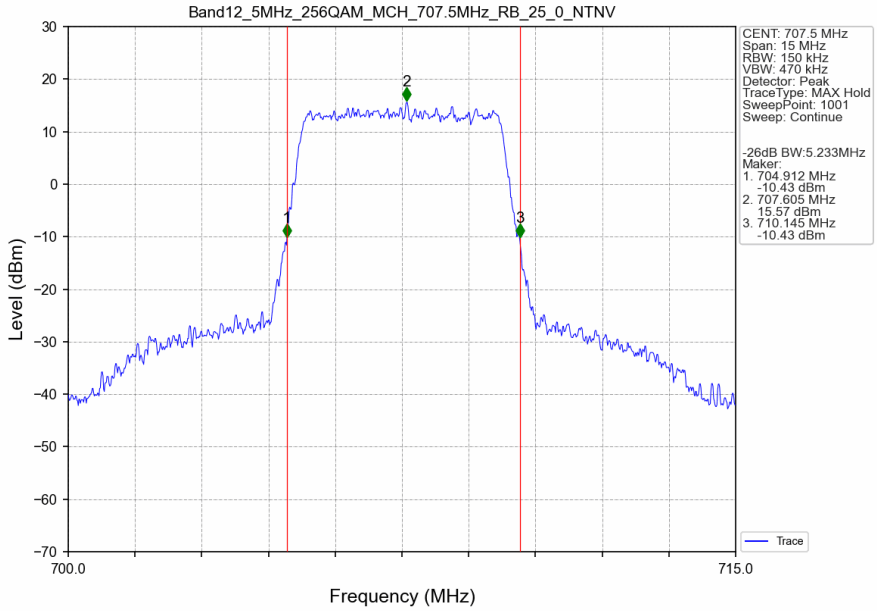
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



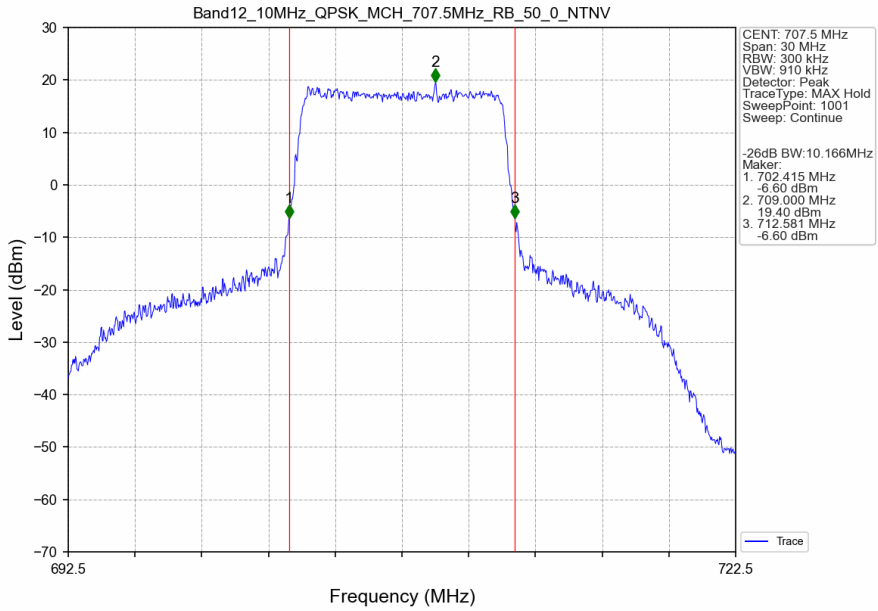
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



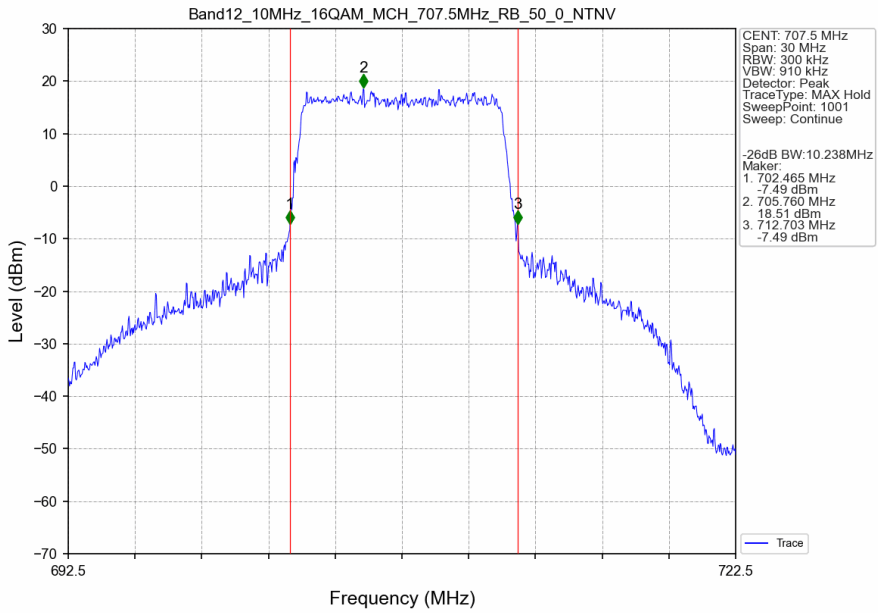
Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



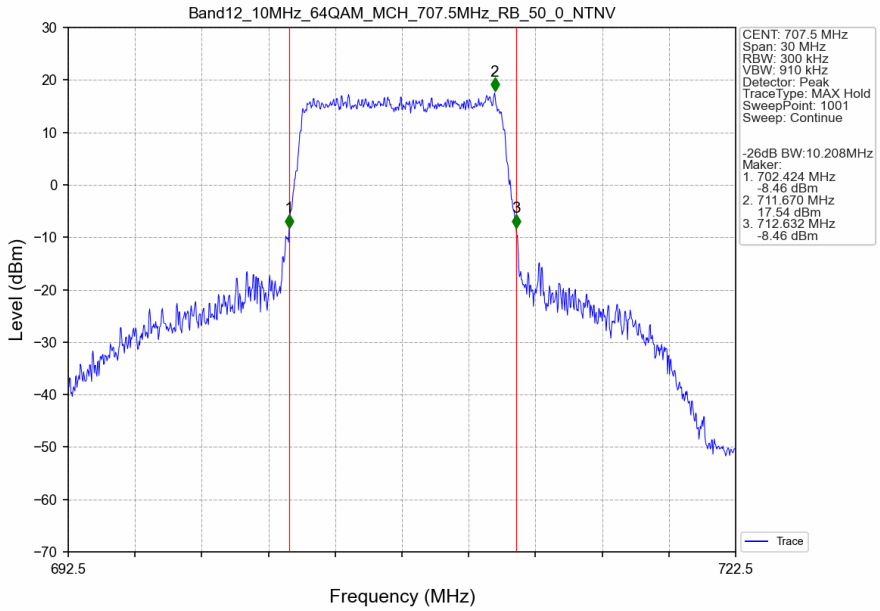
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



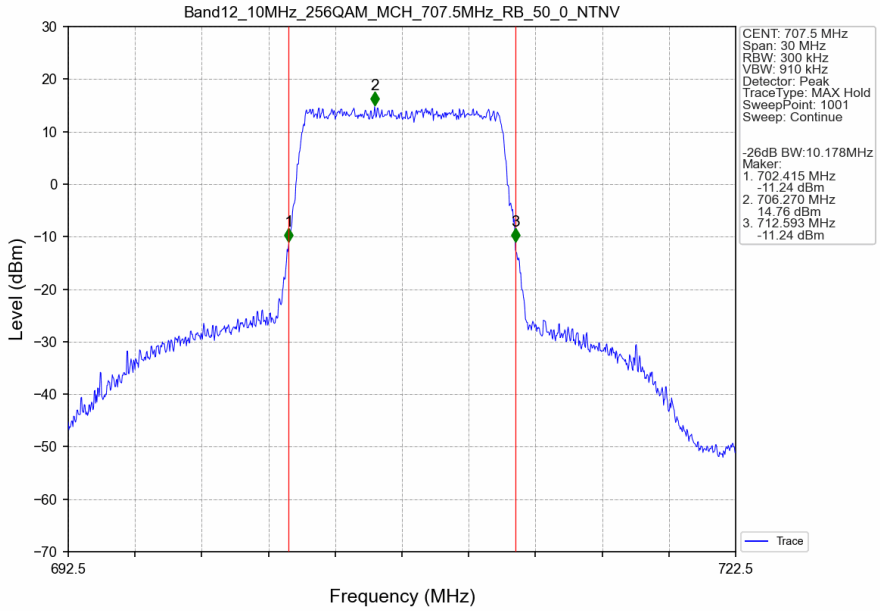
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

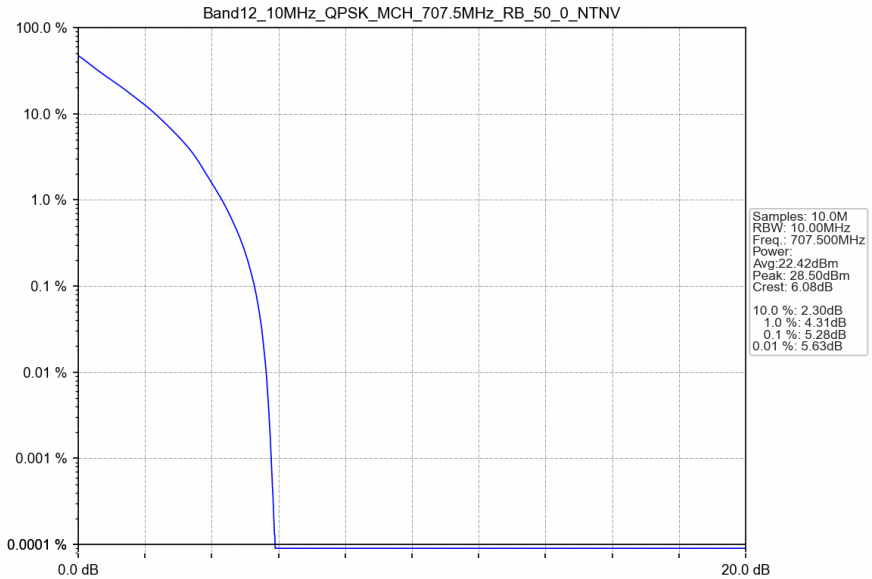
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.28	<=13	Pass
16QAM	707.5	50	0	6.08	<=13	Pass
64QAM	707.5	50	0	6.46	<=13	Pass
256QAM	707.5	50	0	6.68	<=13	Pass

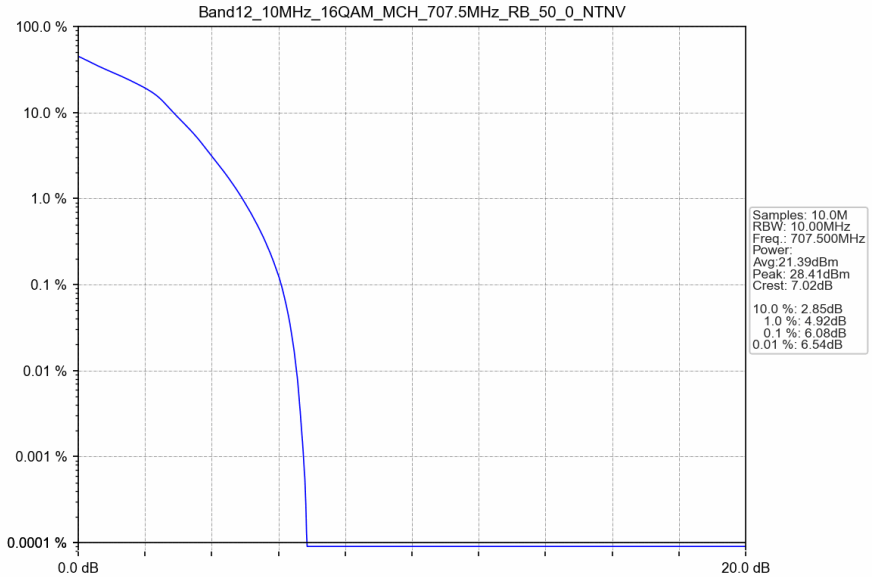
4.2 Test Graph

4.2.1 B12_10MHz

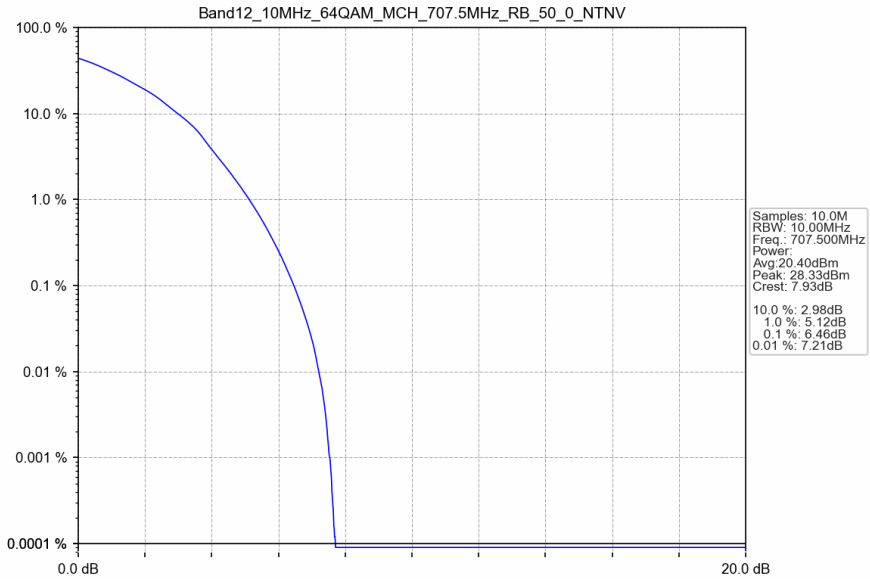
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



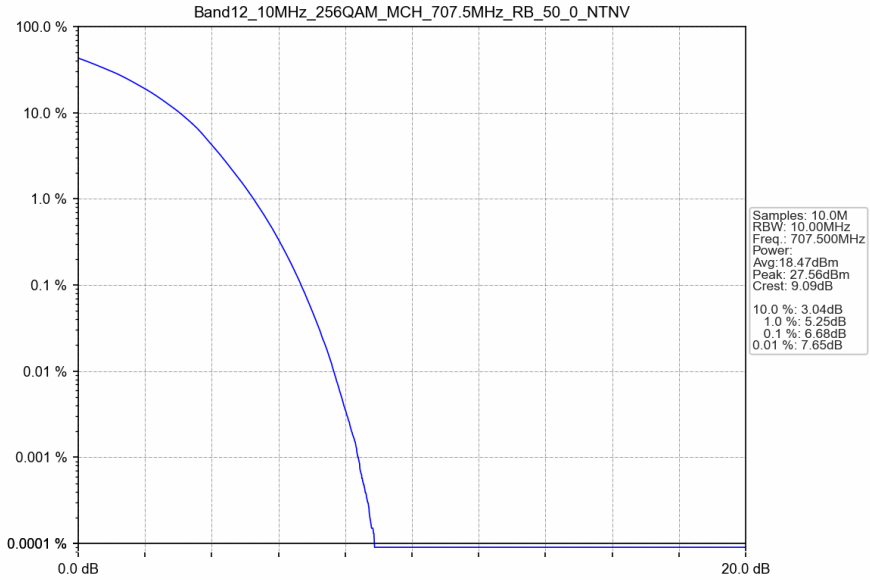
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



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

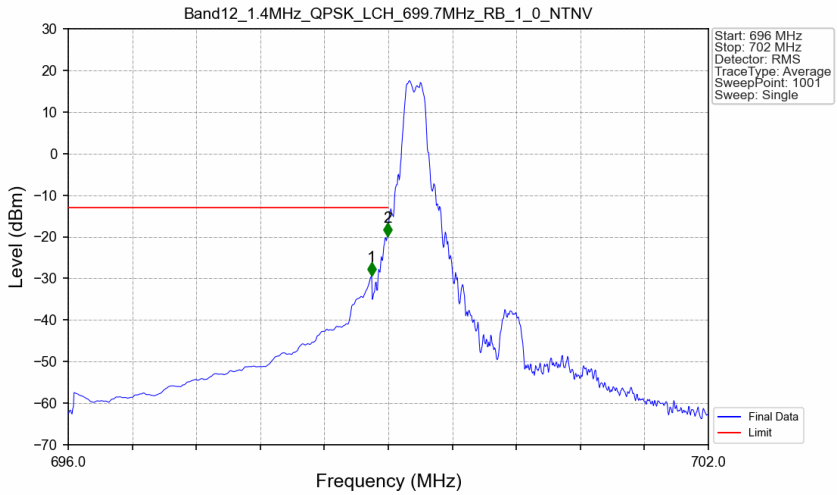
5.1.4 B12_10MHz

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

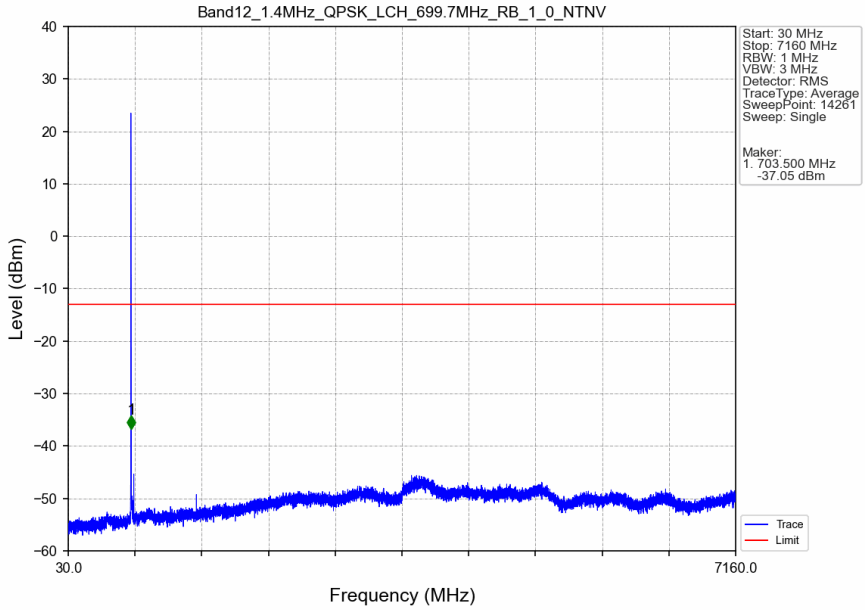
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

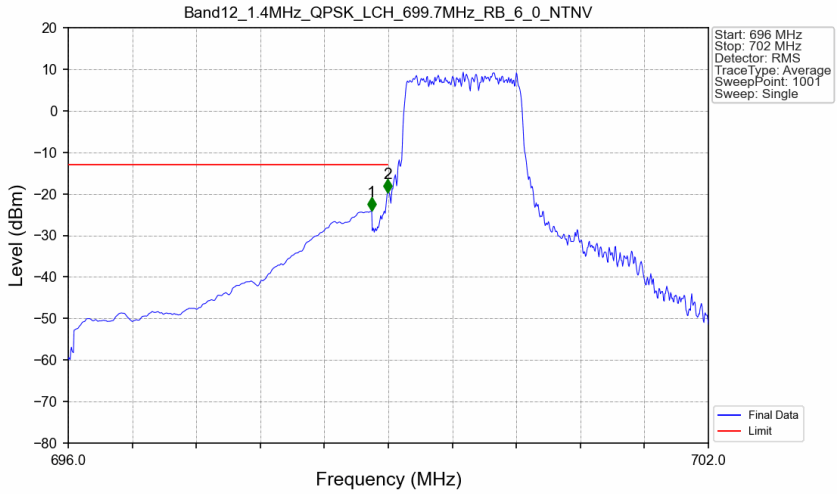


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.38	-13	Pass
698.9	699	0.03	/	2	698.994	-19.77	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

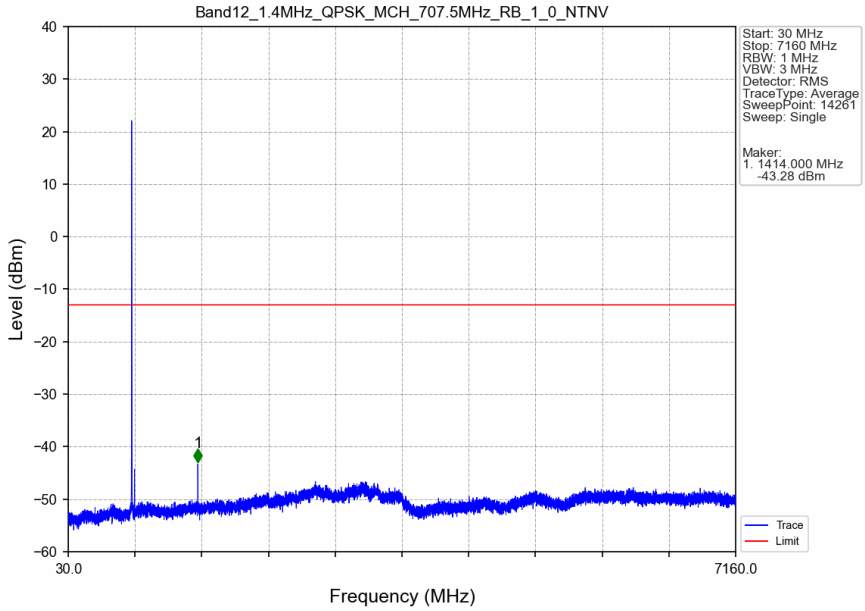


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

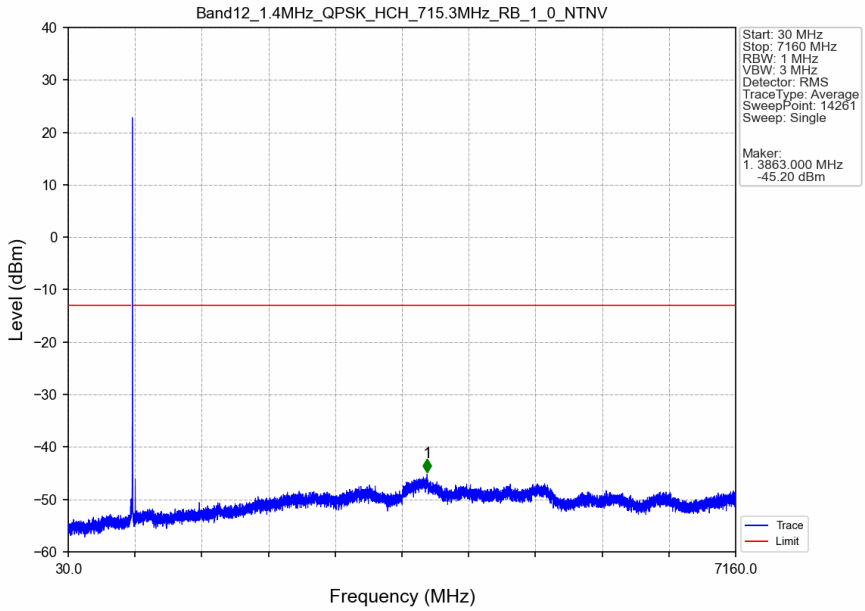


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-24.07	-13	Pass
698.9	699	0.03	/	2	698.994	-19.63	-13	Pass
699	702	0.03	/	/	/	/	/	/

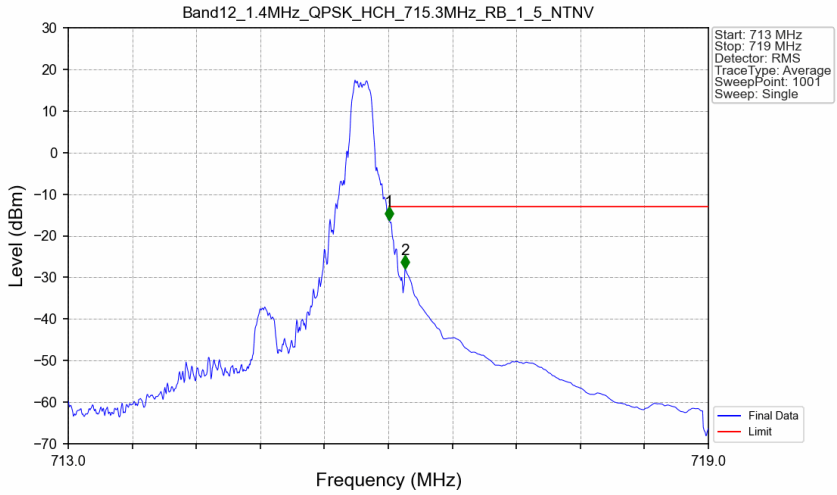
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

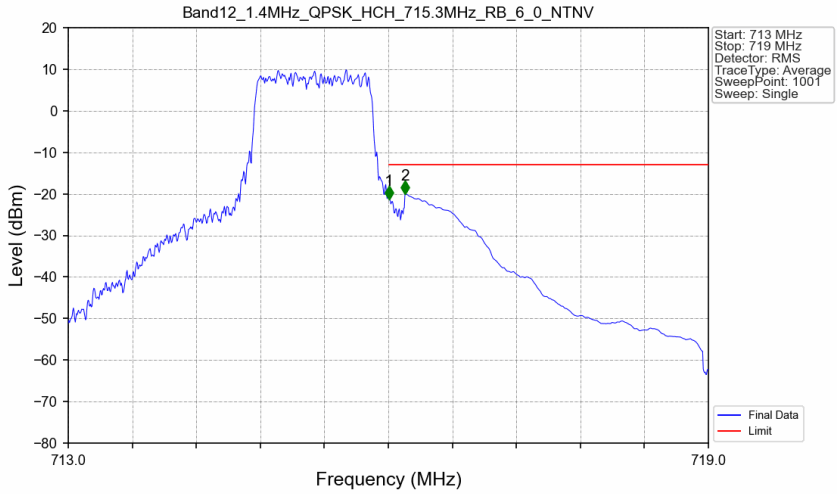


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	716.006	-16.29	-13	Pass
716.1	719	0.1	CHP	2	716.156	-27.81	-13	Pass

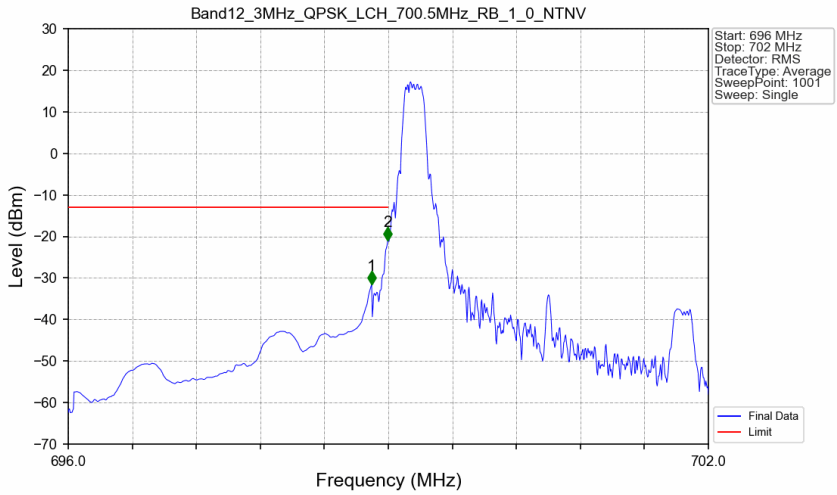
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	716.006	-21.22	-13	Pass
716.1	719	0.1	CHP	2	716.156	-20.03	-13	Pass

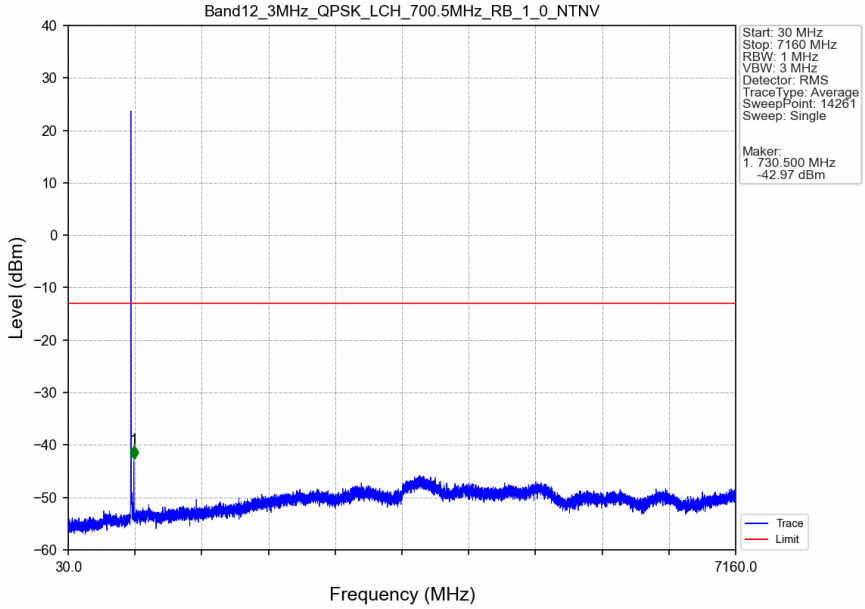
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

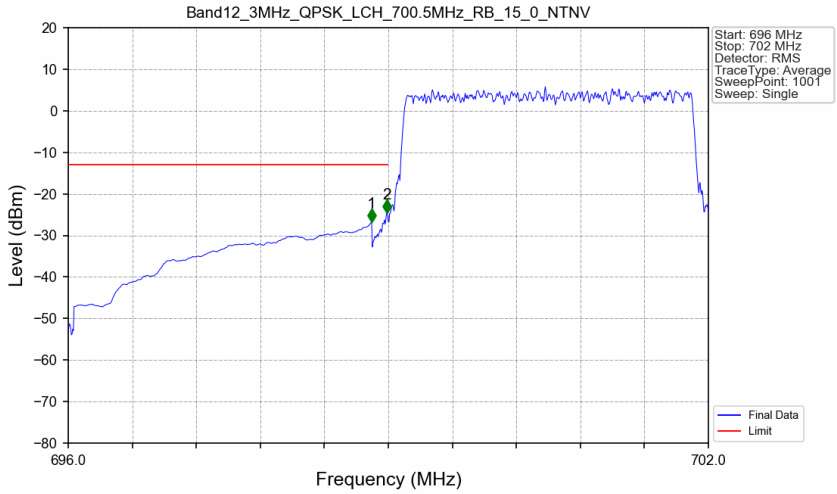


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.55	-13	Pass
698.9	699	0.03	/	2	698.994	-21.00	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

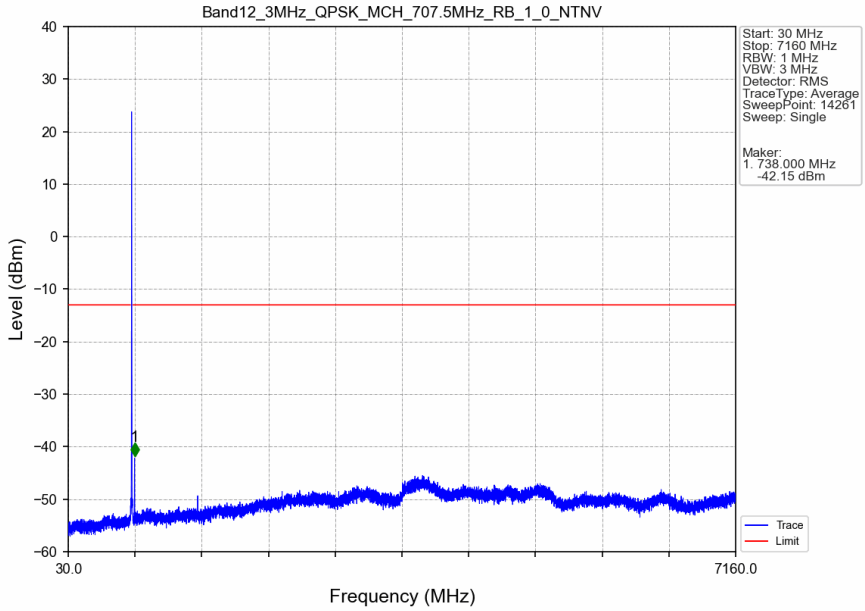


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

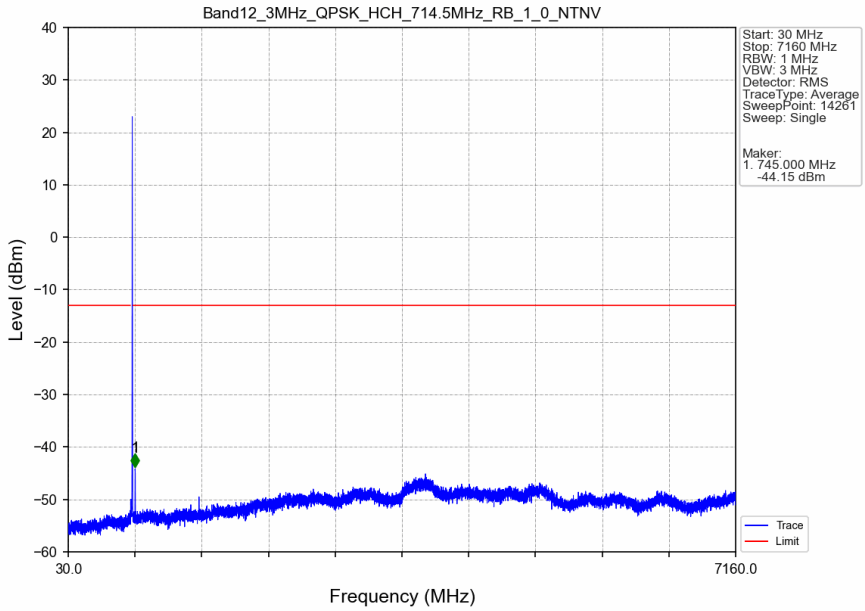


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-26.76	-13	Pass
698.9	699	0.03	/	2	698.988	-24.65	-13	Pass
699	702	0.03	/	/	/	/	/	/

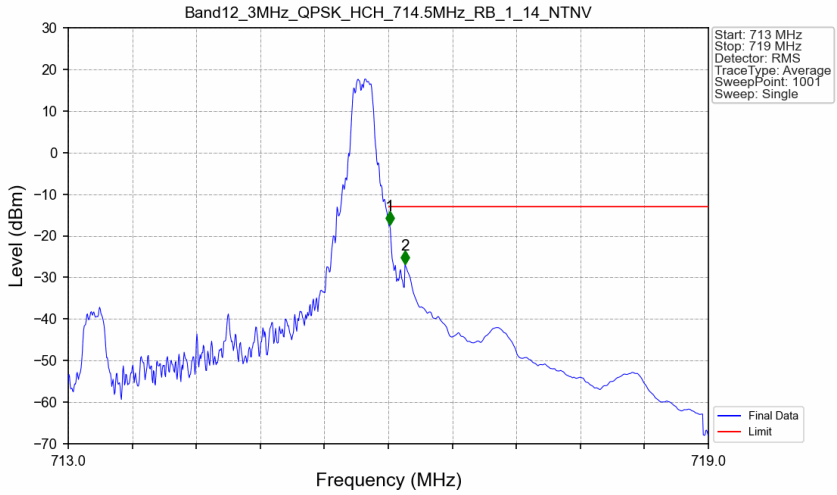
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

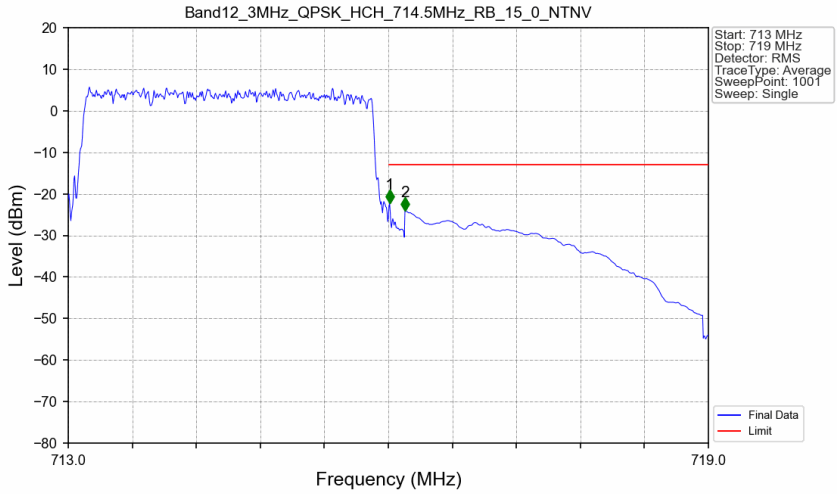


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	-17.33	-13	Pass
716.1	719	0.1	CHP	2	716.156	-26.79	-13	Pass

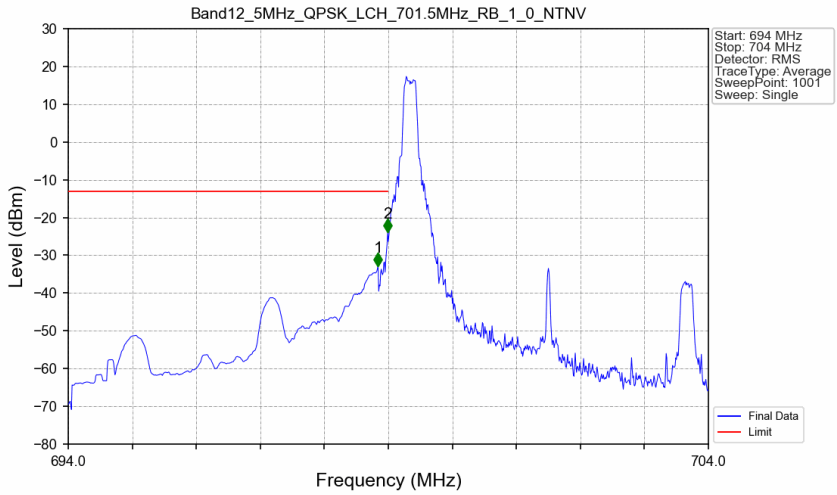
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	716.012	-22.26	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.07	-13	Pass

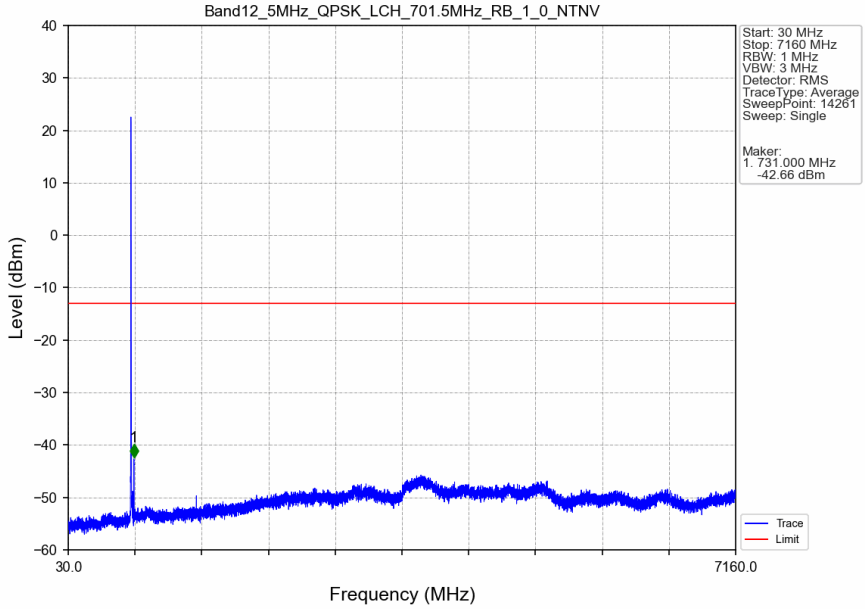
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

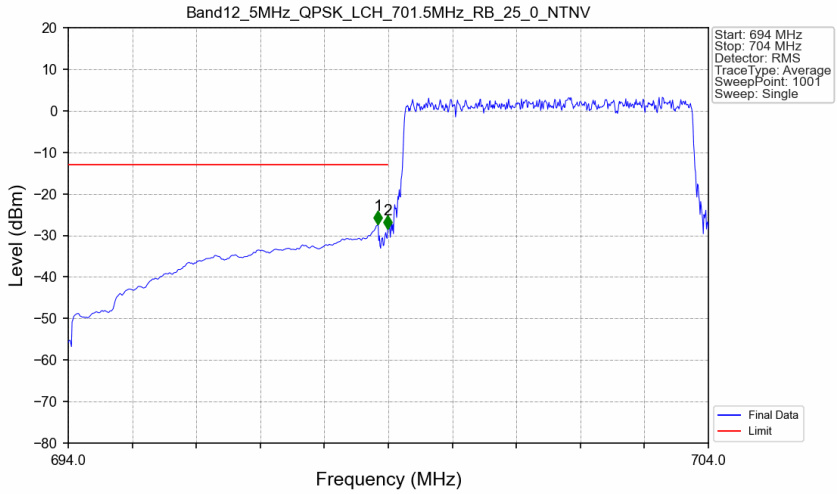


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-32.77	-13	Pass
698.9	699	0.03	/	2	698.990	-23.88	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

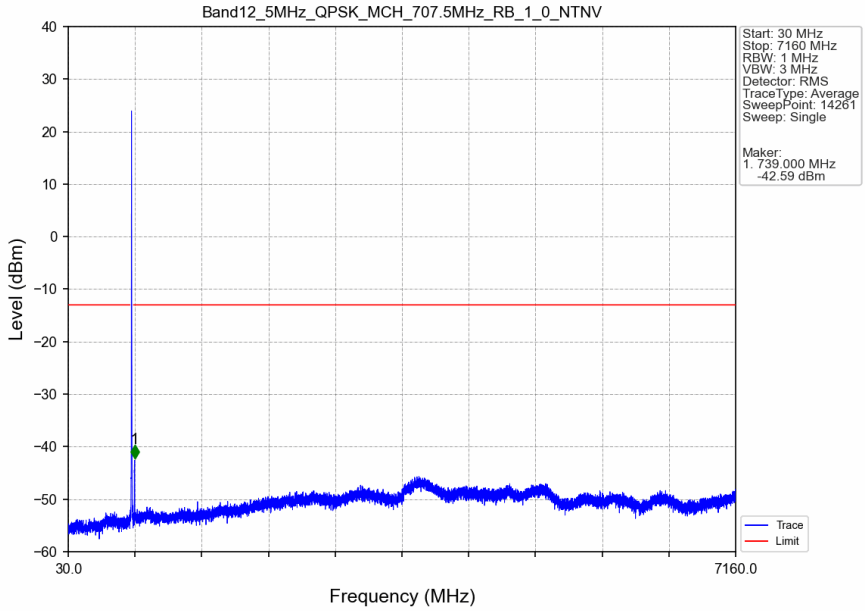


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

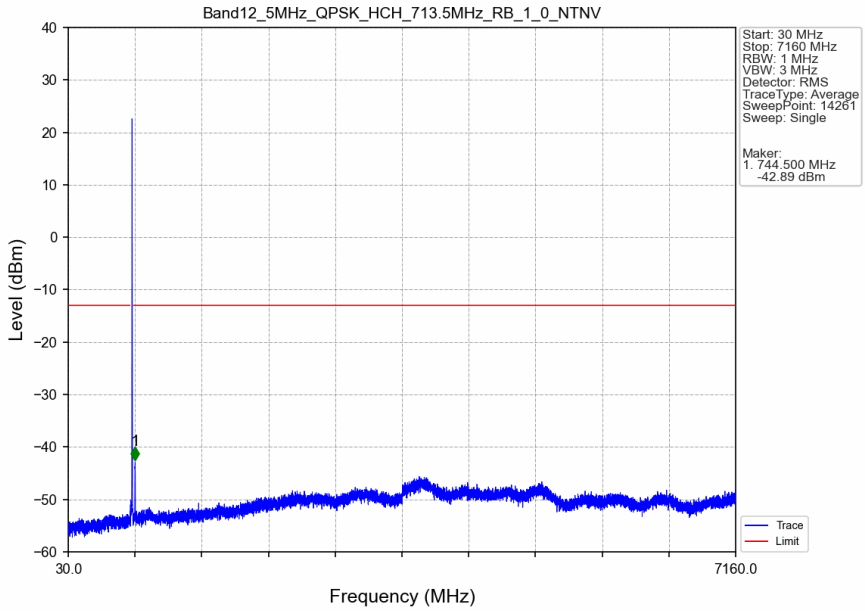


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-27.38	-13	Pass
698.9	699	0.03	/	2	698.990	-28.48	-13	Pass
699	704	0.03	/	/	/	/	/	/

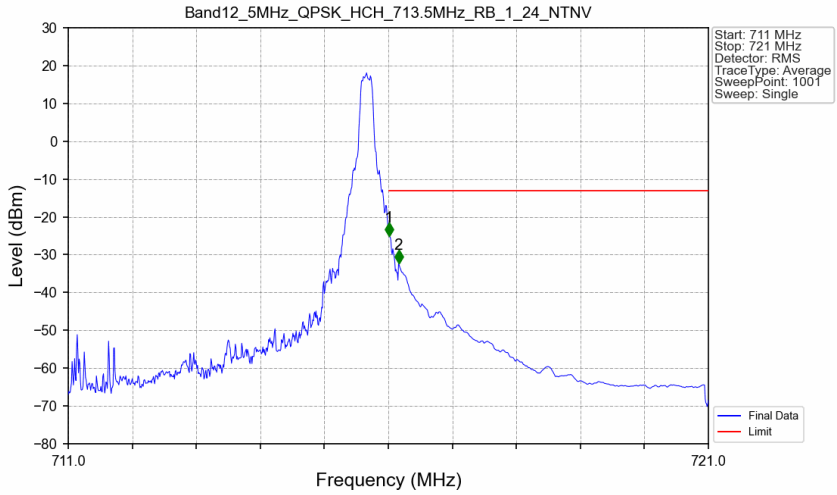
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

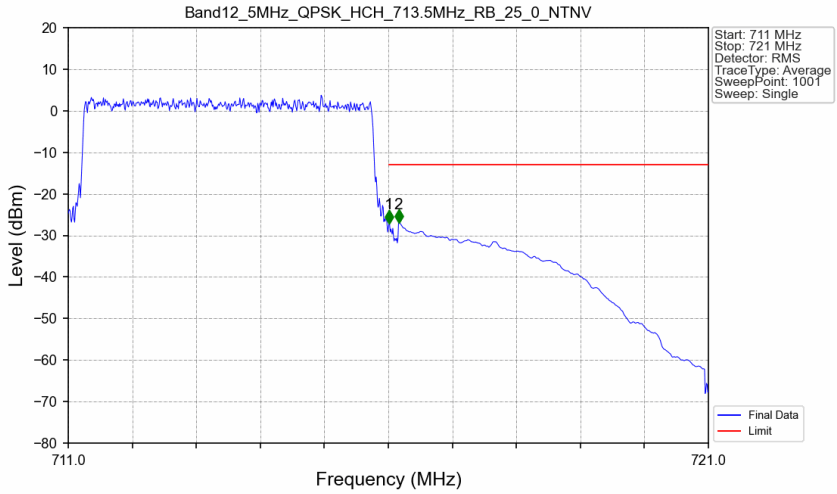


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-25.02	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.19	-13	Pass

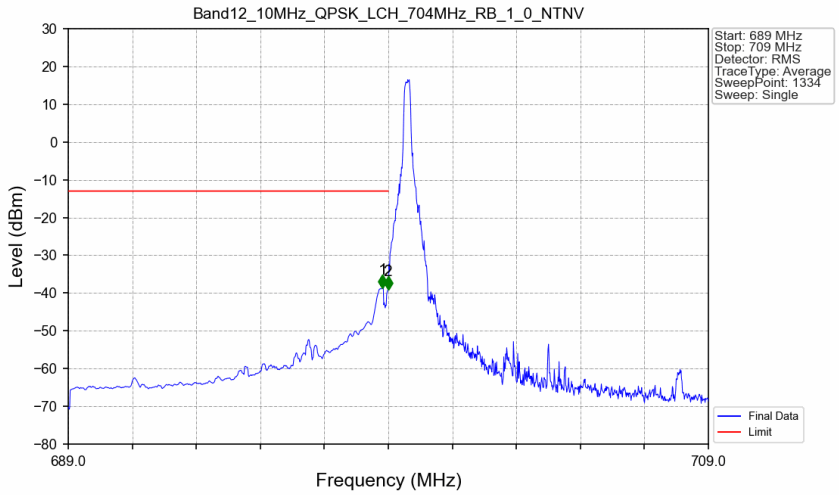
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	-27.03	-13	Pass
716.1	721	0.1	CHP	2	716.160	-26.87	-13	Pass

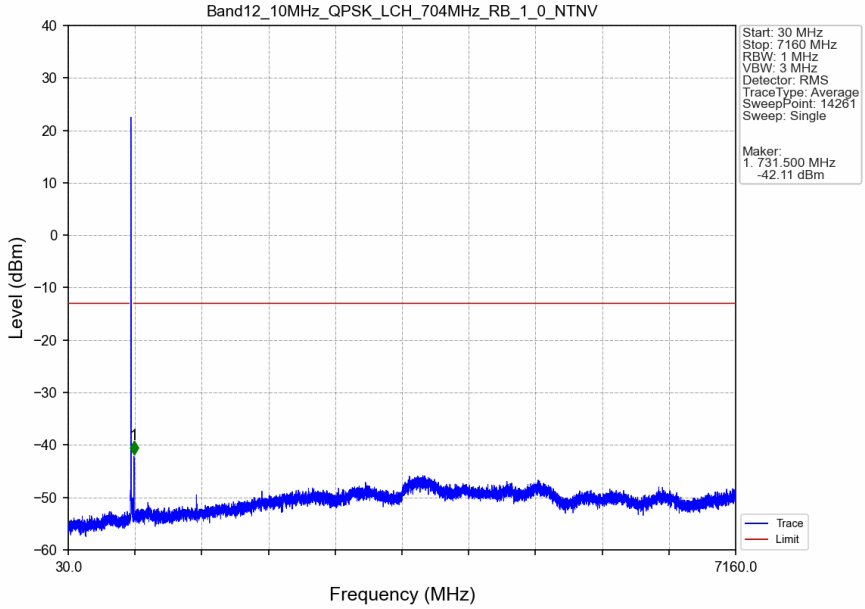
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

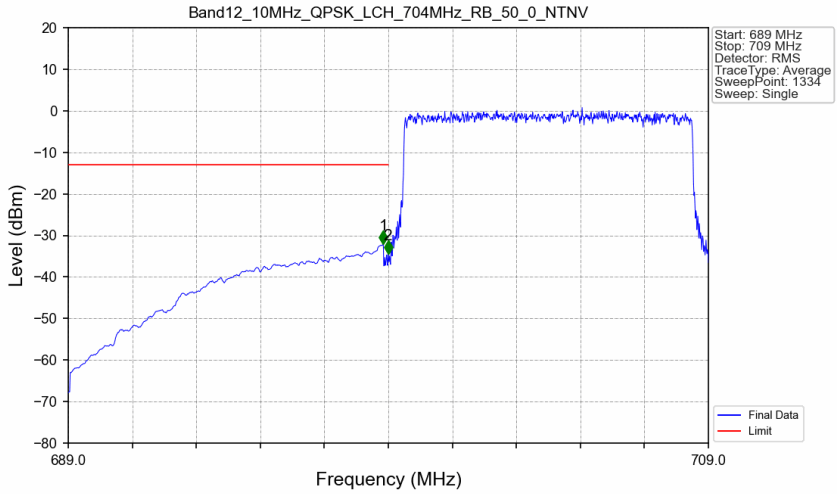


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.812	-38.60	-13	Pass
698.9	699	0.03	/	2	698.992	-39.09	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

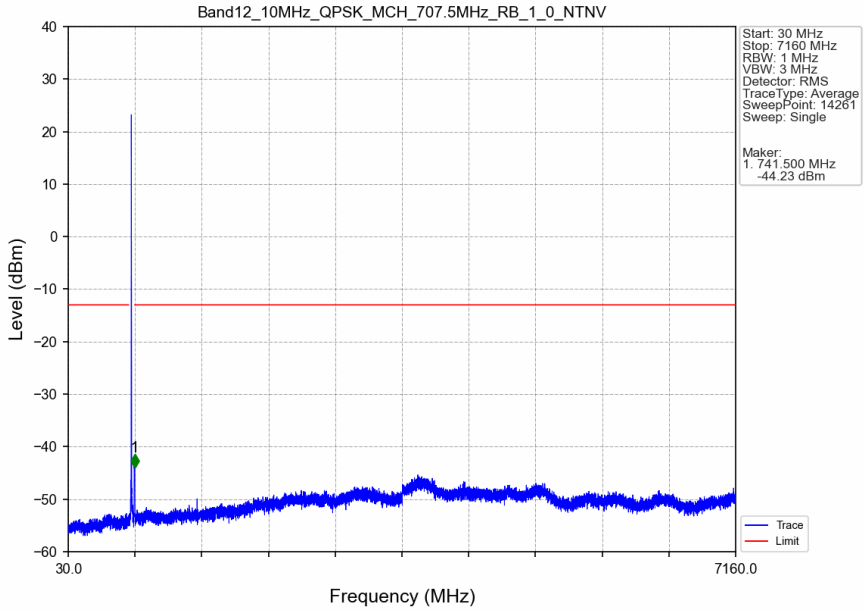


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

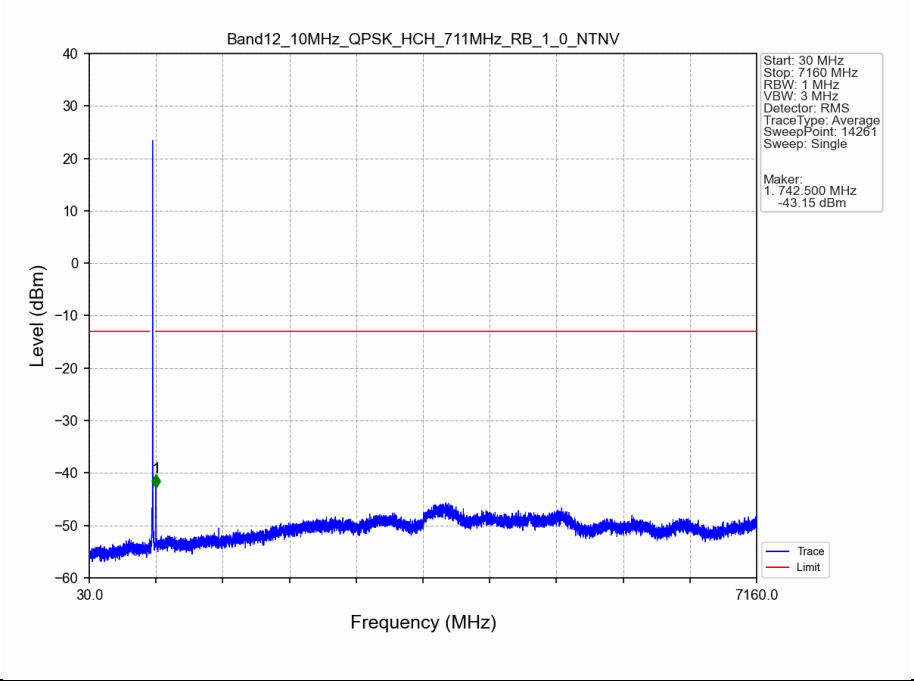


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-32.07	-13	Pass
698.9	699	0.03	/	2	698.992	-34.37	-13	Pass
699	709	0.03	/	/	/	/	/	/

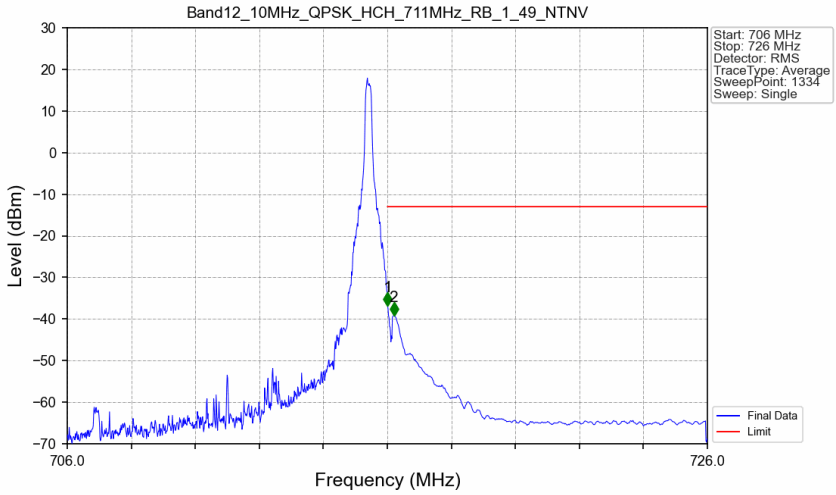
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

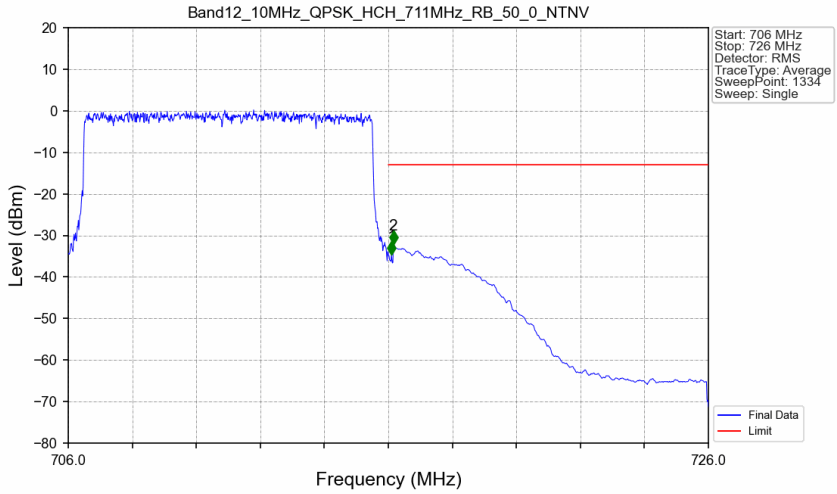


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-36.76	-13	Pass
716.1	726	0.1	CHP	2	716.203	-39.18	-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	716.098	-34.61	-13	Pass
716.1	726	0.1	CHP	2	716.158	-32.04	-13	Pass