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	24.74	-3.73	18.86	<=34.77	Pass
			2	24.71	-3.73	18.83	<=34.77	Pass
			5	24.76	-3.73	18.88	<=34.77	Pass
		3	0	24.69	-3.73	18.81	<=34.77	Pass
			2	24.68	-3.73	18.80	<=34.77	Pass
			3	24.70	-3.73	18.82	<=34.77	Pass
		6	0	23.70	-3.73	17.82	<=34.77	Pass
	707.5	1	0	24.66	-3.73	18.78	<=34.77	Pass
			2	24.60	-3.73	18.72	<=34.77	Pass
			5	24.65	-3.73	18.77	<=34.77	Pass
		3	0	24.61	-3.73	18.73	<=34.77	Pass
			2	24.59	-3.73	18.71	<=34.77	Pass
			3	24.60	-3.73	18.72	<=34.77	Pass
		6	0	23.69	-3.73	17.81	<=34.77	Pass
	715.3	1	0	24.59	-3.73	18.71	<=34.77	Pass
			2	24.55	-3.73	18.67	<=34.77	Pass
			5	24.60	-3.73	18.72	<=34.77	Pass
		3	0	24.53	-3.73	18.65	<=34.77	Pass
			2	24.51	-3.73	18.63	<=34.77	Pass
			3	24.52	-3.73	18.64	<=34.77	Pass
		6	0	23.69	-3.73	17.81	<=34.77	Pass
16QAM	699.7	1	0	23.80	-3.73	17.92	<=34.77	Pass
			2	23.74	-3.73	17.86	<=34.77	Pass
			5	23.82	-3.73	17.94	<=34.77	Pass
		3	0	23.73	-3.73	17.85	<=34.77	Pass
			2	23.72	-3.73	17.84	<=34.77	Pass
			3	23.74	-3.73	17.86	<=34.77	Pass
		6	0	22.65	-3.73	16.77	<=34.77	Pass
	707.5	1	0	23.79	-3.73	17.91	<=34.77	Pass
			2	23.70	-3.73	17.82	<=34.77	Pass
			5	23.77	-3.73	17.89	<=34.77	Pass
		3	0	23.86	-3.73	17.98	<=34.77	Pass
			2	23.87	-3.73	17.99	<=34.77	Pass
			3	23.88	-3.73	18.00	<=34.77	Pass
		6	0	22.67	-3.73	16.79	<=34.77	Pass
	715.3	1	0	23.95	-3.73	18.07	<=34.77	Pass
			2	23.84	-3.73	17.96	<=34.77	Pass
			5	23.92	-3.73	18.04	<=34.77	Pass
		3	0	23.71	-3.73	17.83	<=34.77	Pass
			2	23.69	-3.73	17.81	<=34.77	Pass
			3	23.68	-3.73	17.80	<=34.77	Pass
		6	0	22.64	-3.73	16.76	<=34.77	Pass
64QAM	699.7	1	0	22.95	-3.73	17.07	<=34.77	Pass
			2	22.87	-3.73	16.99	<=34.77	Pass
			5	22.97	-3.73	17.09	<=34.77	Pass
		3	0	22.65	-3.73	16.77	<=34.77	Pass
			2	22.65	-3.73	16.77	<=34.77	Pass
			3	22.65	-3.73	16.77	<=34.77	Pass
		6	0	21.85	-3.73	15.97	<=34.77	Pass

	707.5	1	0	23.14	-3.73	17.26	<=34.77	Pass
			2	23.12	-3.73	17.24	<=34.77	Pass
			5	23.19	-3.73	17.31	<=34.77	Pass
		3	0	22.99	-3.73	17.11	<=34.77	Pass
			2	22.97	-3.73	17.09	<=34.77	Pass
			3	22.98	-3.73	17.10	<=34.77	Pass
		6	0	21.70	-3.73	15.82	<=34.77	Pass
	715.3	1	0	22.85	-3.73	16.97	<=34.77	Pass
			2	22.81	-3.73	16.93	<=34.77	Pass
			5	22.81	-3.73	16.93	<=34.77	Pass
		3	0	22.73	-3.73	16.85	<=34.77	Pass
			2	22.73	-3.73	16.85	<=34.77	Pass
			3	22.74	-3.73	16.86	<=34.77	Pass
		6	0	21.96	-3.73	16.08	<=34.77	Pass
256QAM	699.7	1	0	19.83	-3.73	13.95	<=34.77	Pass
			2	19.85	-3.73	13.97	<=34.77	Pass
			5	19.84	-3.73	13.96	<=34.77	Pass
		3	0	19.79	-3.73	13.91	<=34.77	Pass
			2	19.75	-3.73	13.87	<=34.77	Pass
			3	19.74	-3.73	13.86	<=34.77	Pass
		6	0	19.80	-3.73	13.92	<=34.77	Pass
	707.5	1	0	20.01	-3.73	14.13	<=34.77	Pass
			2	20.03	-3.73	14.15	<=34.77	Pass
			5	20.01	-3.73	14.13	<=34.77	Pass
		3	0	19.65	-3.73	13.77	<=34.77	Pass
			2	19.66	-3.73	13.78	<=34.77	Pass
			3	19.66	-3.73	13.78	<=34.77	Pass
		6	0	19.63	-3.73	13.75	<=34.77	Pass
	715.3	1	0	19.55	-3.73	13.67	<=34.77	Pass
			2	19.48	-3.73	13.60	<=34.77	Pass
			5	19.54	-3.73	13.66	<=34.77	Pass
		3	0	19.52	-3.73	13.64	<=34.77	Pass
			2	19.52	-3.73	13.64	<=34.77	Pass
			3	19.54	-3.73	13.66	<=34.77	Pass
		6	0	19.75	-3.73	13.87	<=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	24.95	-3.73	19.07	<=34.77	Pass
			7	24.85	-3.73	18.97	<=34.77	Pass
			14	24.85	-3.73	18.97	<=34.77	Pass
		8	0	23.77	-3.73	17.89	<=34.77	Pass
			4	23.75	-3.73	17.87	<=34.77	Pass
			7	23.76	-3.73	17.88	<=34.77	Pass
		15	0	23.74	-3.73	17.86	<=34.77	Pass
	707.5	1	0	24.69	-3.73	18.81	<=34.77	Pass
			7	24.70	-3.73	18.82	<=34.77	Pass
			14	24.66	-3.73	18.78	<=34.77	Pass
		8	0	23.76	-3.73	17.88	<=34.77	Pass
			4	23.75	-3.73	17.87	<=34.77	Pass
			7	23.70	-3.73	17.82	<=34.77	Pass
		15	0	23.73	-3.73	17.85	<=34.77	Pass
	714.5	1	0	24.82	-3.73	18.94	<=34.77	Pass

			7	24.76	-3.73	18.88	<=34.77	Pass
			14	24.81	-3.73	18.93	<=34.77	Pass
		8	0	23.70	-3.73	17.82	<=34.77	Pass
			4	23.63	-3.73	17.75	<=34.77	Pass
			7	23.61	-3.73	17.73	<=34.77	Pass
		15	0	23.70	-3.73	17.82	<=34.77	Pass
16QAM	700.5	1	0	24.39	-3.73	18.51	<=34.77	Pass
			7	24.30	-3.73	18.42	<=34.77	Pass
			14	24.34	-3.73	18.46	<=34.77	Pass
		8	0	22.97	-3.73	17.09	<=34.77	Pass
			4	22.96	-3.73	17.08	<=34.77	Pass
			7	22.99	-3.73	17.11	<=34.77	Pass
		15	0	22.81	-3.73	16.93	<=34.77	Pass
	707.5	1	0	24.01	-3.73	18.13	<=34.77	Pass
			7	23.96	-3.73	18.08	<=34.77	Pass
			14	23.95	-3.73	18.07	<=34.77	Pass
		8	0	22.67	-3.73	16.79	<=34.77	Pass
			4	22.63	-3.73	16.75	<=34.77	Pass
			7	22.64	-3.73	16.76	<=34.77	Pass
		15	0	22.68	-3.73	16.80	<=34.77	Pass
	714.5	1	0	24.29	-3.73	18.41	<=34.77	Pass
			7	24.20	-3.73	18.32	<=34.77	Pass
			14	24.22	-3.73	18.34	<=34.77	Pass
		8	0	22.94	-3.73	17.06	<=34.77	Pass
			4	22.90	-3.73	17.02	<=34.77	Pass
			7	22.90	-3.73	17.02	<=34.77	Pass
		15	0	22.81	-3.73	16.93	<=34.77	Pass
64QAM	700.5	1	0	23.07	-3.73	17.19	<=34.77	Pass
			7	23.02	-3.73	17.14	<=34.77	Pass
			14	23.03	-3.73	17.15	<=34.77	Pass
		8	0	21.87	-3.73	15.99	<=34.77	Pass
			4	21.85	-3.73	15.97	<=34.77	Pass
			7	21.84	-3.73	15.96	<=34.77	Pass
		15	0	21.75	-3.73	15.87	<=34.77	Pass
	707.5	1	0	23.04	-3.73	17.16	<=34.77	Pass
			7	22.99	-3.73	17.11	<=34.77	Pass
			14	23.05	-3.73	17.17	<=34.77	Pass
		8	0	21.83	-3.73	15.95	<=34.77	Pass
			4	21.81	-3.73	15.93	<=34.77	Pass
			7	21.78	-3.73	15.90	<=34.77	Pass
		15	0	21.75	-3.73	15.87	<=34.77	Pass
	714.5	1	0	23.03	-3.73	17.15	<=34.77	Pass
			7	22.97	-3.73	17.09	<=34.77	Pass
			14	22.97	-3.73	17.09	<=34.77	Pass
		8	0	21.84	-3.73	15.96	<=34.77	Pass
			4	21.79	-3.73	15.91	<=34.77	Pass
			7	21.77	-3.73	15.89	<=34.77	Pass
		15	0	21.70	-3.73	15.82	<=34.77	Pass
256QAM	700.5	1	0	20.27	-3.73	14.39	<=34.77	Pass
			7	20.24	-3.73	14.36	<=34.77	Pass
			14	20.25	-3.73	14.37	<=34.77	Pass
		8	0	19.85	-3.73	13.97	<=34.77	Pass
			4	19.88	-3.73	14.00	<=34.77	Pass
			7	19.85	-3.73	13.97	<=34.77	Pass
		15	0	19.77	-3.73	13.89	<=34.77	Pass
	707.5	1	0	19.62	-3.73	13.74	<=34.77	Pass
			7	19.57	-3.73	13.69	<=34.77	Pass
			14	19.56	-3.73	13.68	<=34.77	Pass
		8	0	19.72	-3.73	13.84	<=34.77	Pass

			4	19.69	-3.73	13.81	<=34.77	Pass
			7	19.65	-3.73	13.77	<=34.77	Pass
		15	0	19.86	-3.73	13.98	<=34.77	Pass
	714.5	1	0	20.19	-3.73	14.31	<=34.77	Pass
			7	20.16	-3.73	14.28	<=34.77	Pass
			14	20.15	-3.73	14.27	<=34.77	Pass
		8	0	19.85	-3.73	13.97	<=34.77	Pass
			4	19.79	-3.73	13.91	<=34.77	Pass
			7	19.78	-3.73	13.90	<=34.77	Pass
		15	0	19.75	-3.73	13.87	<=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	25.00	-3.73	19.12	<=34.77	Pass
			13	24.91	-3.73	19.03	<=34.77	Pass
			24	24.95	-3.73	19.07	<=34.77	Pass
		12	0	23.80	-3.73	17.92	<=34.77	Pass
			6	23.76	-3.73	17.88	<=34.77	Pass
			13	23.79	-3.73	17.91	<=34.77	Pass
		25	0	23.84	-3.73	17.96	<=34.77	Pass
	707.5	1	0	24.83	-3.73	18.95	<=34.77	Pass
			13	24.75	-3.73	18.87	<=34.77	Pass
			24	24.88	-3.73	19.00	<=34.77	Pass
		12	0	23.82	-3.73	17.94	<=34.77	Pass
			6	23.78	-3.73	17.90	<=34.77	Pass
			13	23.78	-3.73	17.90	<=34.77	Pass
		25	0	23.83	-3.73	17.95	<=34.77	Pass
	713.5	1	0	24.83	-3.73	18.95	<=34.77	Pass
			13	24.71	-3.73	18.83	<=34.77	Pass
			24	24.73	-3.73	18.85	<=34.77	Pass
		12	0	23.76	-3.73	17.88	<=34.77	Pass
			6	23.72	-3.73	17.84	<=34.77	Pass
			13	23.72	-3.73	17.84	<=34.77	Pass
		25	0	23.74	-3.73	17.86	<=34.77	Pass
16QAM	701.5	1	0	23.72	-3.73	17.84	<=34.77	Pass
			13	23.70	-3.73	17.82	<=34.77	Pass
			24	23.71	-3.73	17.83	<=34.77	Pass
		12	0	22.83	-3.73	16.95	<=34.77	Pass
			6	22.80	-3.73	16.92	<=34.77	Pass
			13	22.82	-3.73	16.94	<=34.77	Pass
		25	0	22.84	-3.73	16.96	<=34.77	Pass
	707.5	1	0	24.08	-3.73	18.20	<=34.77	Pass
			13	24.01	-3.73	18.13	<=34.77	Pass
			24	24.02	-3.73	18.14	<=34.77	Pass
		12	0	22.86	-3.73	16.98	<=34.77	Pass
			6	22.81	-3.73	16.93	<=34.77	Pass
			13	22.80	-3.73	16.92	<=34.77	Pass
		25	0	22.80	-3.73	16.92	<=34.77	Pass
	713.5	1	0	23.88	-3.73	18.00	<=34.77	Pass
			13	23.76	-3.73	17.88	<=34.77	Pass
			24	23.70	-3.73	17.82	<=34.77	Pass
		12	0	22.79	-3.73	16.91	<=34.77	Pass
			6	22.76	-3.73	16.88	<=34.77	Pass

			13	22.73	-3.73	16.85	<=34.77	Pass
		25	0	22.75	-3.73	16.87	<=34.77	Pass
64QAM	701.5	1	0	22.75	-3.73	16.87	<=34.77	Pass
			13	22.70	-3.73	16.82	<=34.77	Pass
			24	22.74	-3.73	16.86	<=34.77	Pass
		12	0	21.85	-3.73	15.97	<=34.77	Pass
			6	21.80	-3.73	15.92	<=34.77	Pass
			13	21.83	-3.73	15.95	<=34.77	Pass
		25	0	21.79	-3.73	15.91	<=34.77	Pass
	707.5	1	0	23.20	-3.73	17.32	<=34.77	Pass
			13	23.16	-3.73	17.28	<=34.77	Pass
			24	23.15	-3.73	17.27	<=34.77	Pass
		12	0	21.81	-3.73	15.93	<=34.77	Pass
			6	21.73	-3.73	15.85	<=34.77	Pass
			13	21.75	-3.73	15.87	<=34.77	Pass
		25	0	21.79	-3.73	15.91	<=34.77	Pass
	713.5	1	0	22.95	-3.73	17.07	<=34.77	Pass
			13	22.89	-3.73	17.01	<=34.77	Pass
			24	22.92	-3.73	17.04	<=34.77	Pass
		12	0	21.84	-3.73	15.96	<=34.77	Pass
			6	21.84	-3.73	15.96	<=34.77	Pass
			13	21.79	-3.73	15.91	<=34.77	Pass
		25	0	21.78	-3.73	15.90	<=34.77	Pass
256QAM	701.5	1	0	19.61	-3.73	13.73	<=34.77	Pass
			13	19.56	-3.73	13.68	<=34.77	Pass
			24	19.59	-3.73	13.71	<=34.77	Pass
		12	0	19.86	-3.73	13.98	<=34.77	Pass
			6	19.82	-3.73	13.94	<=34.77	Pass
			13	19.83	-3.73	13.95	<=34.77	Pass
		25	0	19.88	-3.73	14.00	<=34.77	Pass
	707.5	1	0	20.08	-3.73	14.20	<=34.77	Pass
			13	19.99	-3.73	14.11	<=34.77	Pass
			24	20.03	-3.73	14.15	<=34.77	Pass
		12	0	19.88	-3.73	14.00	<=34.77	Pass
			6	19.82	-3.73	13.94	<=34.77	Pass
			13	19.82	-3.73	13.94	<=34.77	Pass
		25	0	19.81	-3.73	13.93	<=34.77	Pass
	713.5	1	0	19.82	-3.73	13.94	<=34.77	Pass
			13	19.74	-3.73	13.86	<=34.77	Pass
			24	19.75	-3.73	13.87	<=34.77	Pass
		12	0	19.80	-3.73	13.92	<=34.77	Pass
			6	19.77	-3.73	13.89	<=34.77	Pass
			13	19.75	-3.73	13.87	<=34.77	Pass
		25	0	19.77	-3.73	13.89	<=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	25.04	-3.73	19.16	<=34.77	Pass
			25	24.90	-3.73	19.02	<=34.77	Pass
			49	24.92	-3.73	19.04	<=34.77	Pass
		25	0	23.83	-3.73	17.95	<=34.77	Pass
			13	23.81	-3.73	17.93	<=34.77	Pass
			25	23.80	-3.73	17.92	<=34.77	Pass

		50	0	23.82	-3.73	17.94	<=34.77	Pass
	707.5	1	0	24.86	-3.73	18.98	<=34.77	Pass
			25	24.77	-3.73	18.89	<=34.77	Pass
			49	24.76	-3.73	18.88	<=34.77	Pass
		25	0	23.86	-3.73	17.98	<=34.77	Pass
			13	23.82	-3.73	17.94	<=34.77	Pass
			25	23.82	-3.73	17.94	<=34.77	Pass
		50	0	23.84	-3.73	17.96	<=34.77	Pass
	711	1	0	24.86	-3.73	18.98	<=34.77	Pass
			25	24.73	-3.73	18.85	<=34.77	Pass
			49	24.74	-3.73	18.86	<=34.77	Pass
		25	0	23.84	-3.73	17.96	<=34.77	Pass
			13	23.77	-3.73	17.89	<=34.77	Pass
			25	23.78	-3.73	17.90	<=34.77	Pass
		50	0	23.84	-3.73	17.96	<=34.77	Pass
16QAM	704	1	0	24.31	-3.73	18.43	<=34.77	Pass
			25	24.08	-3.73	18.20	<=34.77	Pass
			49	24.38	-3.73	18.50	<=34.77	Pass
		25	0	22.90	-3.73	17.02	<=34.77	Pass
			13	22.84	-3.73	16.96	<=34.77	Pass
			25	22.85	-3.73	16.97	<=34.77	Pass
		50	0	22.84	-3.73	16.96	<=34.77	Pass
	707.5	1	0	24.09	-3.73	18.21	<=34.77	Pass
			25	23.95	-3.73	18.07	<=34.77	Pass
			49	23.96	-3.73	18.08	<=34.77	Pass
		25	0	22.88	-3.73	17.00	<=34.77	Pass
			13	22.83	-3.73	16.95	<=34.77	Pass
			25	22.82	-3.73	16.94	<=34.77	Pass
		50	0	22.85	-3.73	16.97	<=34.77	Pass
	711	1	0	24.04	-3.73	18.16	<=34.77	Pass
			25	23.87	-3.73	17.99	<=34.77	Pass
			49	23.88	-3.73	18.00	<=34.77	Pass
		25	0	22.85	-3.73	16.97	<=34.77	Pass
			13	22.77	-3.73	16.89	<=34.77	Pass
			25	22.78	-3.73	16.90	<=34.77	Pass
		50	0	22.80	-3.73	16.92	<=34.77	Pass
64QAM	704	1	0	23.33	-3.73	17.45	<=34.77	Pass
			25	23.22	-3.73	17.34	<=34.77	Pass
			49	23.20	-3.73	17.32	<=34.77	Pass
		25	0	21.90	-3.73	16.02	<=34.77	Pass
			13	21.84	-3.73	15.96	<=34.77	Pass
			25	21.85	-3.73	15.97	<=34.77	Pass
		50	0	21.84	-3.73	15.96	<=34.77	Pass
	707.5	1	0	23.18	-3.73	17.30	<=34.77	Pass
			25	23.01	-3.73	17.13	<=34.77	Pass
			49	23.07	-3.73	17.19	<=34.77	Pass
		25	0	21.93	-3.73	16.05	<=34.77	Pass
			13	21.89	-3.73	16.01	<=34.77	Pass
			25	21.89	-3.73	16.01	<=34.77	Pass
		50	0	21.87	-3.73	15.99	<=34.77	Pass
	711	1	0	23.09	-3.73	17.21	<=34.77	Pass
			25	22.92	-3.73	17.04	<=34.77	Pass
			49	22.93	-3.73	17.05	<=34.77	Pass
		25	0	21.92	-3.73	16.04	<=34.77	Pass
			13	21.83	-3.73	15.95	<=34.77	Pass
			25	21.86	-3.73	15.98	<=34.77	Pass
		50	0	21.85	-3.73	15.97	<=34.77	Pass
256QAM	704	1	0	20.36	-3.73	14.48	<=34.77	Pass
			25	20.22	-3.73	14.34	<=34.77	Pass

			49	20.27	-3.73	14.39	<=34.77	Pass
		25	0	19.91	-3.73	14.03	<=34.77	Pass
			13	19.85	-3.73	13.97	<=34.77	Pass
			25	19.86	-3.73	13.98	<=34.77	Pass
		50	0	19.87	-3.73	13.99	<=34.77	Pass
	707.5	1	0	19.75	-3.73	13.87	<=34.77	Pass
			25	19.60	-3.73	13.72	<=34.77	Pass
			49	19.63	-3.73	13.75	<=34.77	Pass
		25	0	19.89	-3.73	14.01	<=34.77	Pass
			13	19.85	-3.73	13.97	<=34.77	Pass
			25	19.84	-3.73	13.96	<=34.77	Pass
		50	0	19.82	-3.73	13.94	<=34.77	Pass
	711	1	0	19.73	-3.73	13.85	<=34.77	Pass
			25	19.59	-3.73	13.71	<=34.77	Pass
			49	19.61	-3.73	13.73	<=34.77	Pass
		25	0	19.88	-3.73	14.00	<=34.77	Pass
			13	19.80	-3.73	13.92	<=34.77	Pass
			25	19.82	-3.73	13.94	<=34.77	Pass
		50	0	19.82	-3.73	13.94	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	707.5	50	0	20	LV	-1.101	-0.0016	-2.5 to 2.5	Pass
					NV	-0.629	-0.0009	-2.5 to 2.5	Pass
					HV	1.774	0.0025	-2.5 to 2.5	Pass
				-30	NV	2.198	0.0031	-2.5 to 2.5	Pass
				-20	NV	-0.501	-0.0007	-2.5 to 2.5	Pass
				-10	NV	-1.359	-0.0019	-2.5 to 2.5	Pass
				0	NV	0.057	0.0001	-2.5 to 2.5	Pass
				10	NV	-2.103	-0.0030	-2.5 to 2.5	Pass
				30	NV	-2.074	-0.0029	-2.5 to 2.5	Pass
				40	NV	-1.745	-0.0025	-2.5 to 2.5	Pass
				50	NV	-1.116	-0.0016	-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	1.111	/	Pass
	16QAM	707.5	6	0	1.116	/	Pass
3	QPSK	707.5	15	0	2.738	/	Pass
	16QAM	707.5	15	0	2.736	/	Pass
5	QPSK	707.5	25	0	4.543	/	Pass
	16QAM	707.5	25	0	4.535	/	Pass
10	QPSK	707.5	50	0	9.060	/	Pass
	16QAM	707.5	50	0	9.088	/	Pass

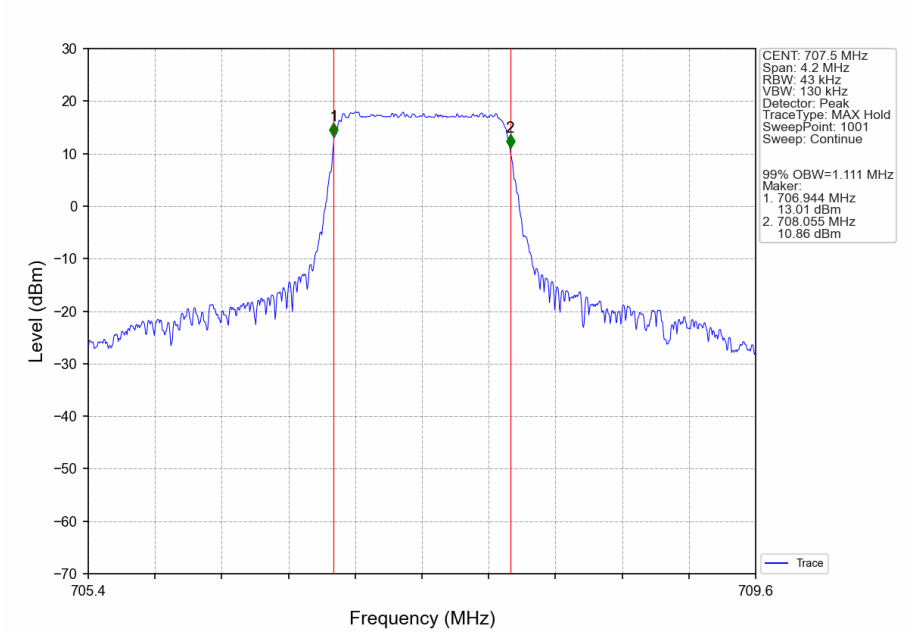
3.1.2 Band12_XDB

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	1.331	/	Pass
	16QAM	707.5	6	0	1.318	/	Pass
3	QPSK	707.5	15	0	3.037	/	Pass
	16QAM	707.5	15	0	3.053	/	Pass
5	QPSK	707.5	25	0	5.031	/	Pass
	16QAM	707.5	25	0	5.032	/	Pass
10	QPSK	707.5	50	0	10.396	/	Pass
	16QAM	707.5	50	0	9.930	/	Pass

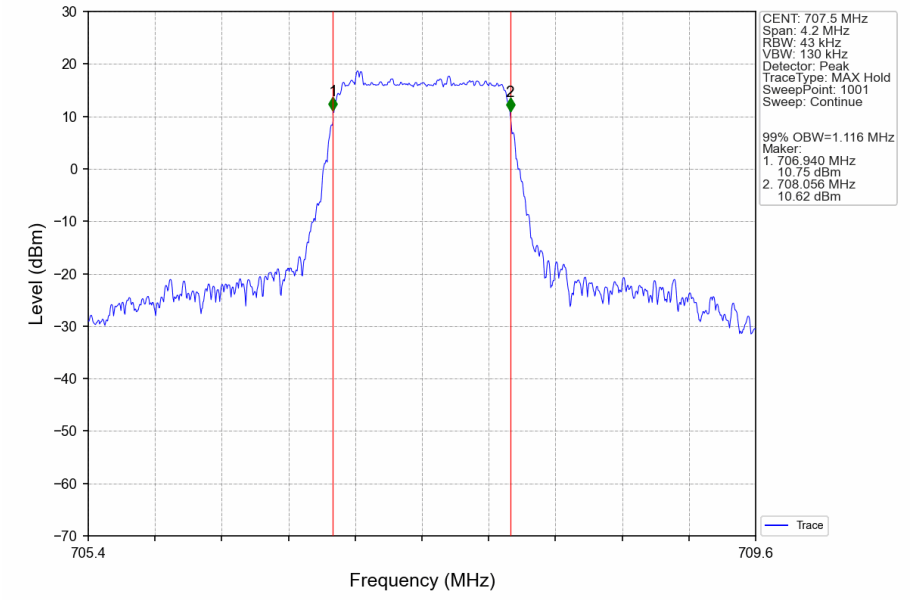
3.2 Test Graph

3.2.1 Band12_OBW

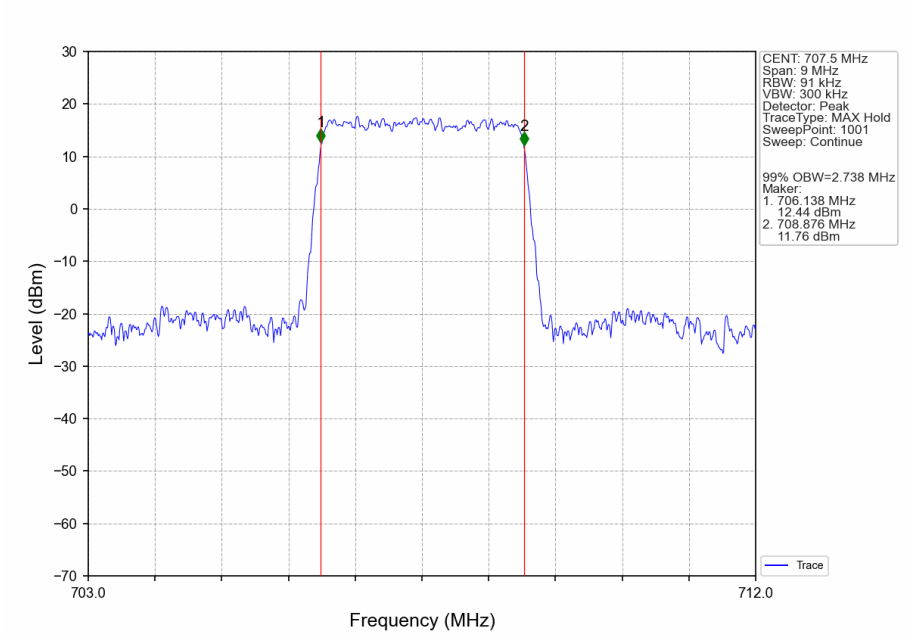
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



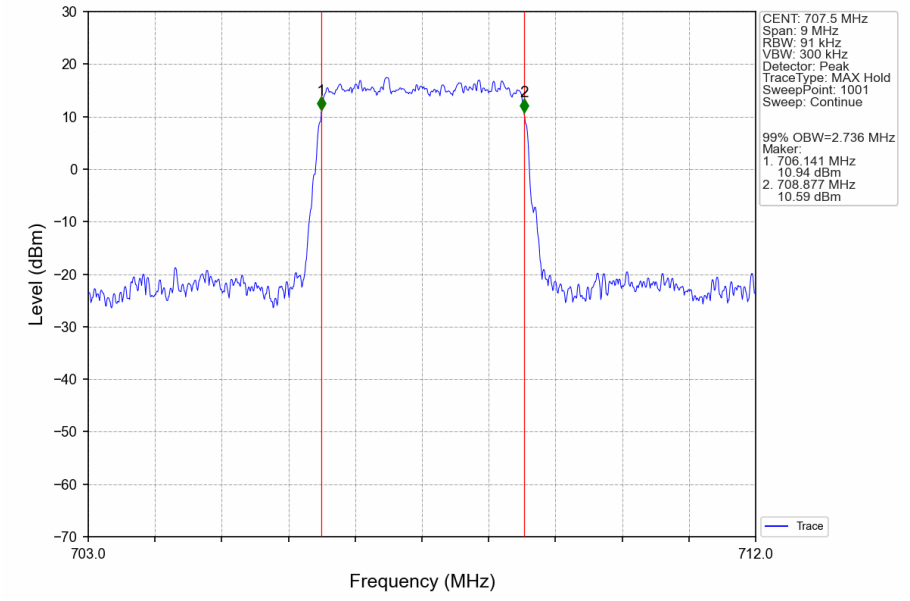
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



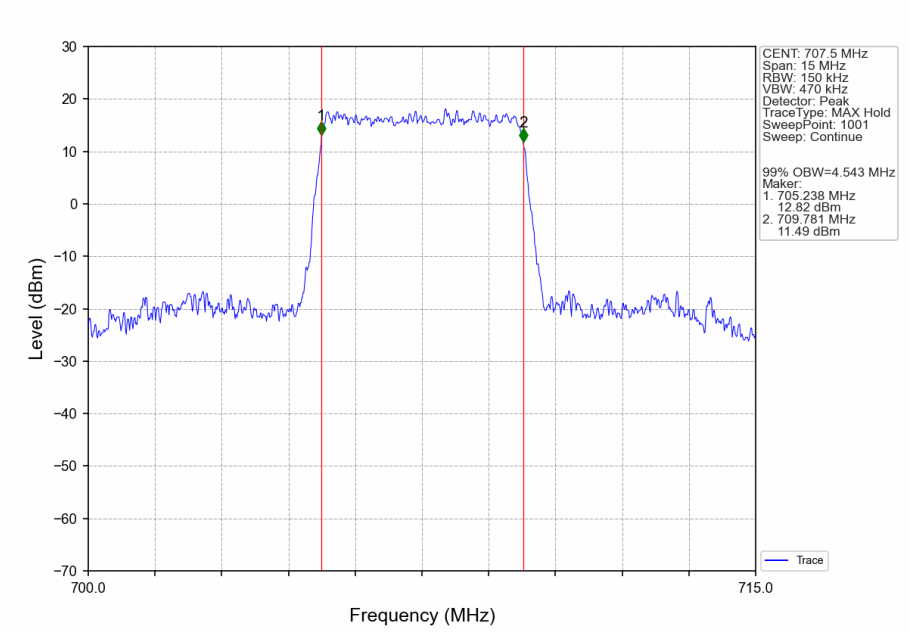
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



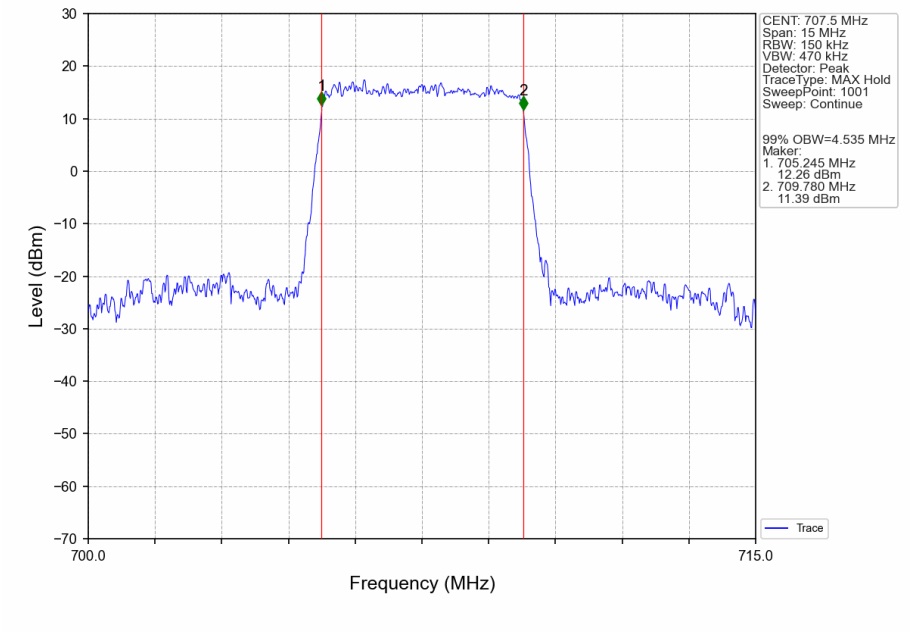
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



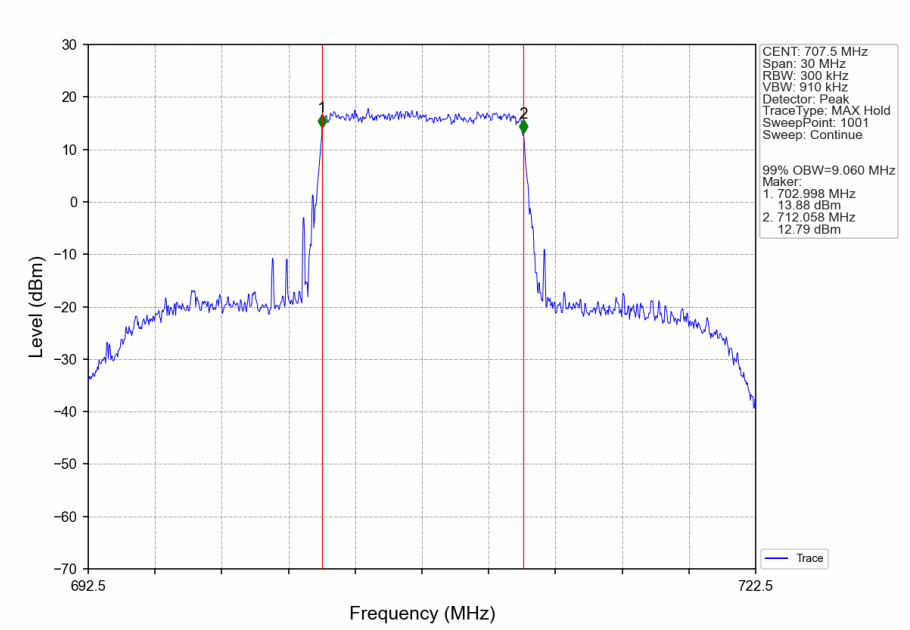
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



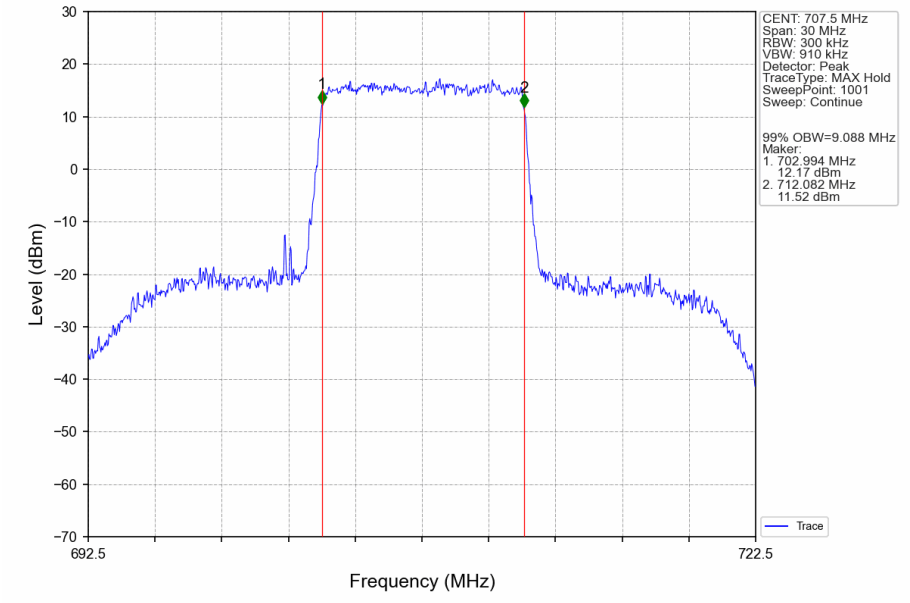
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



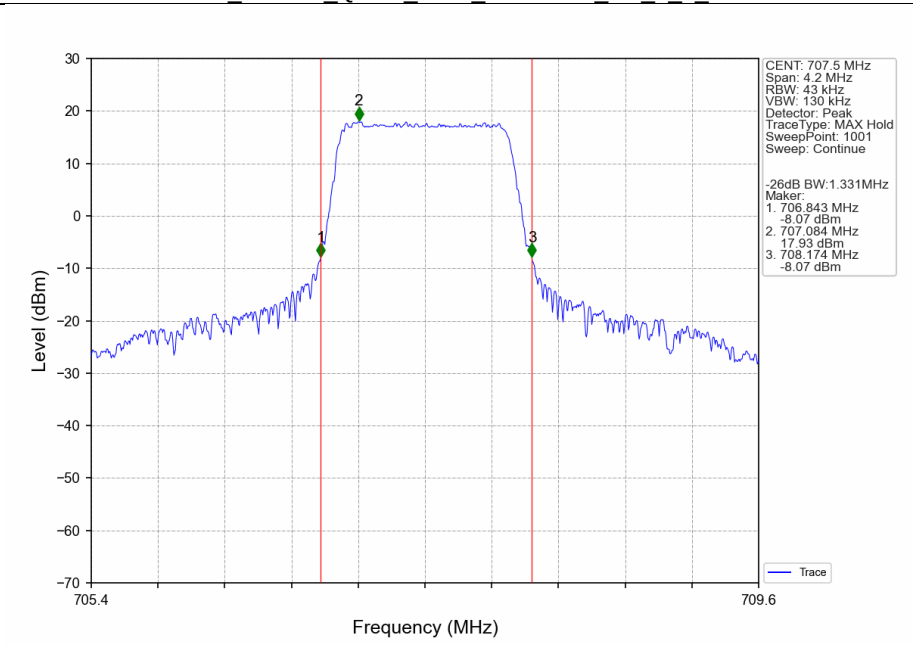
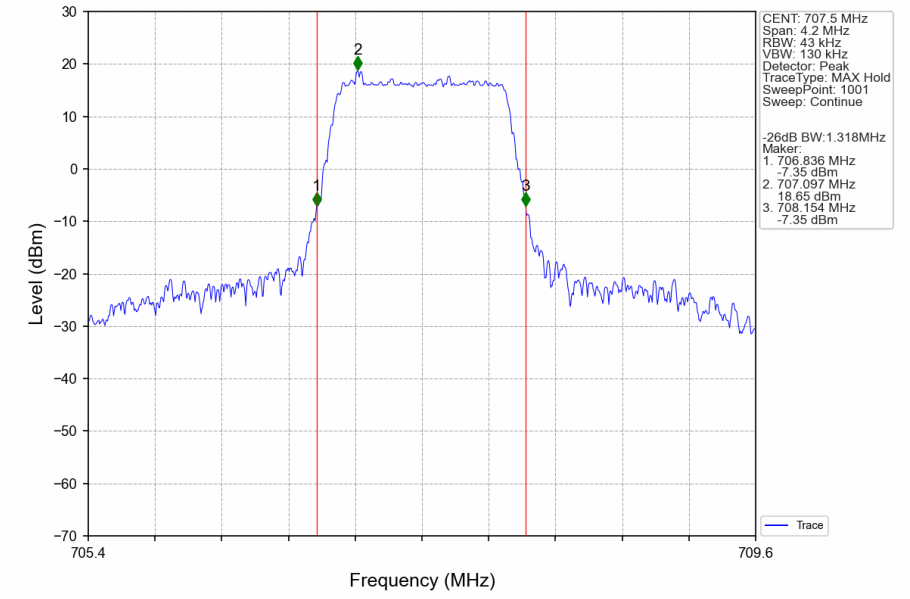
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



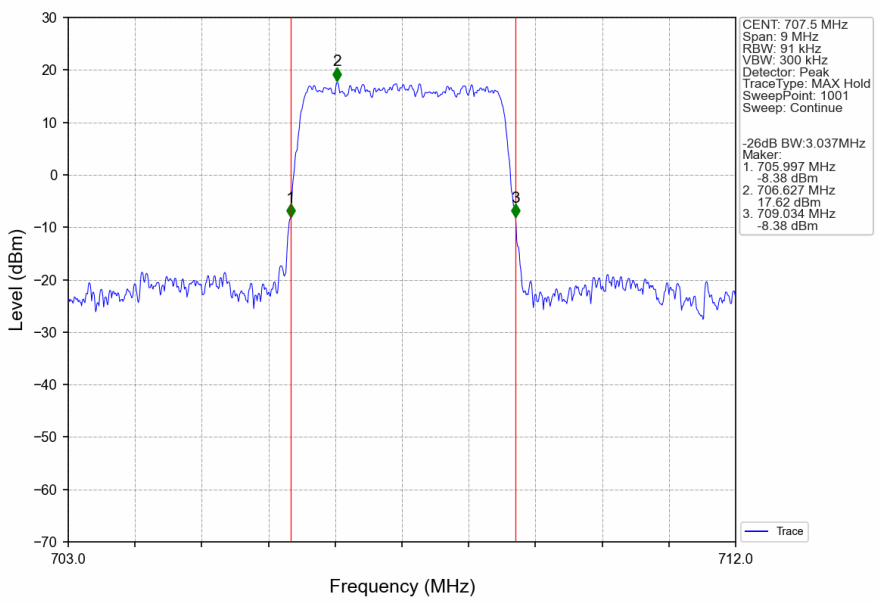
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



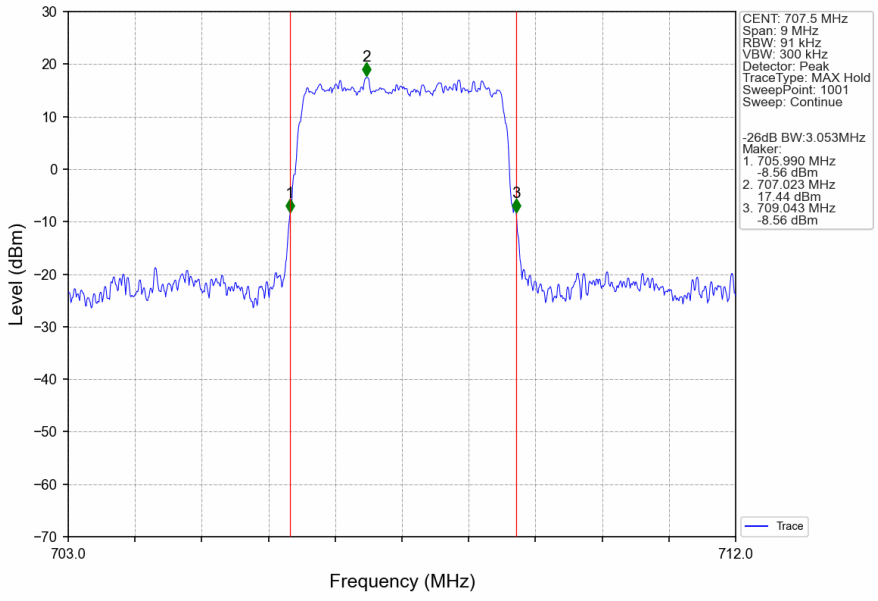
3.2.2 Band12_XDB

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


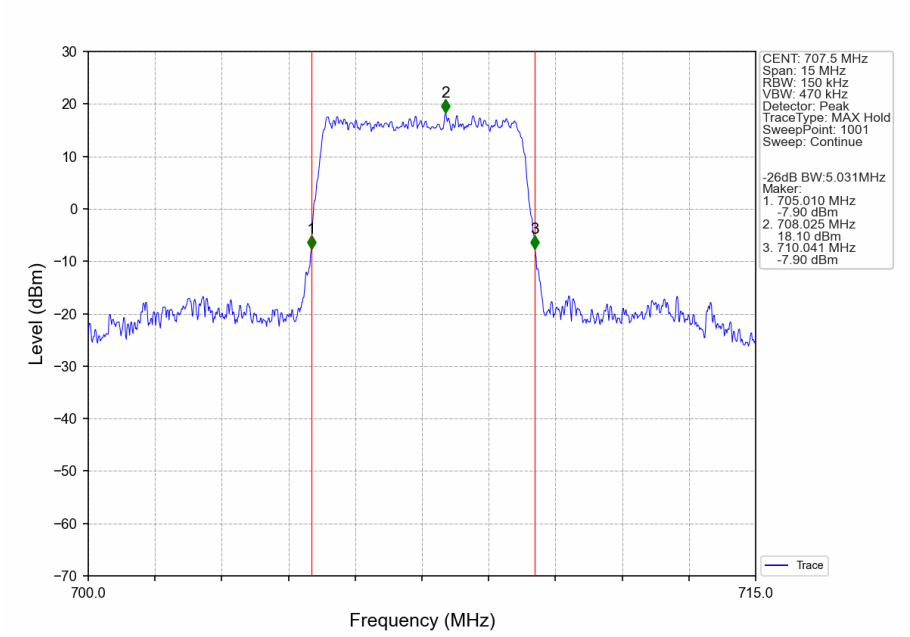
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



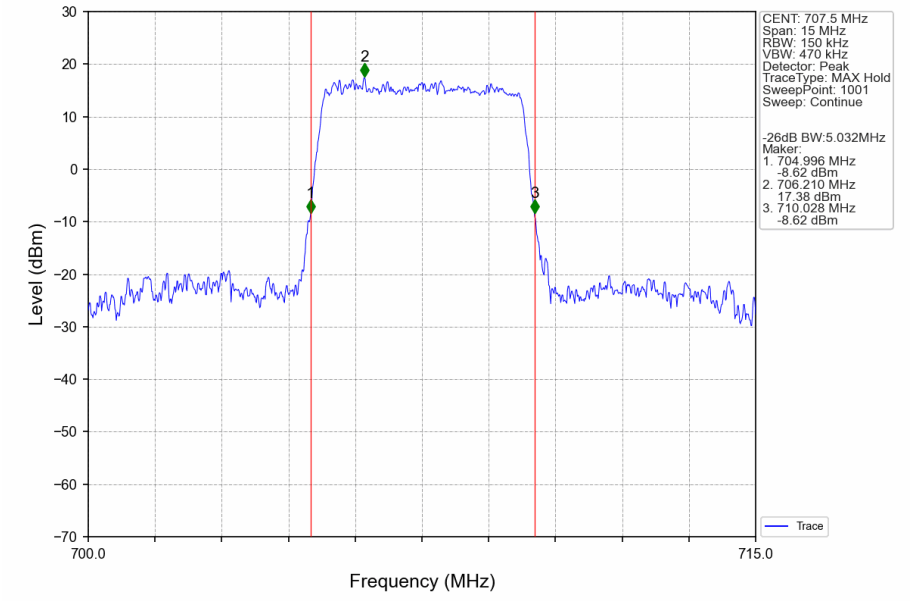
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



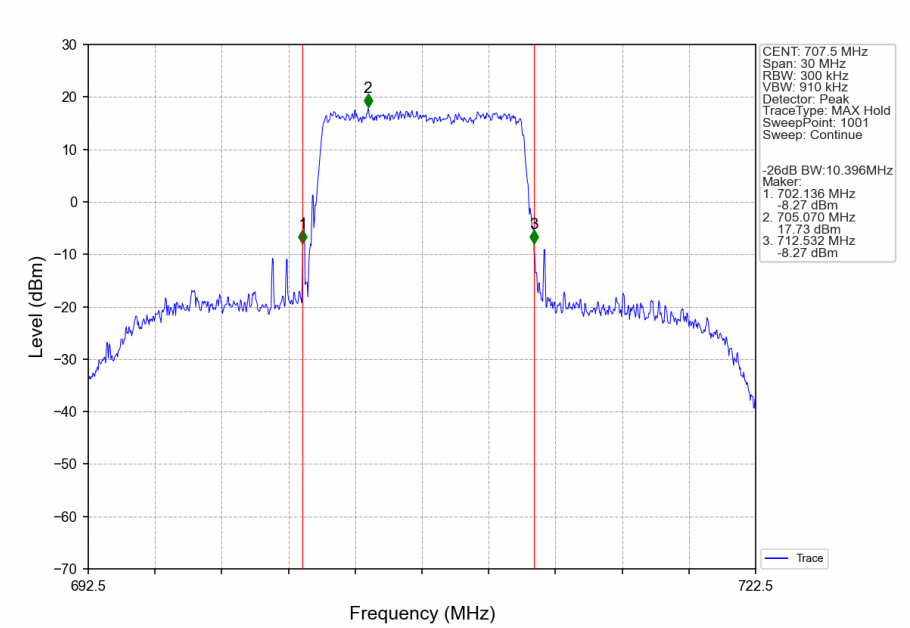
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



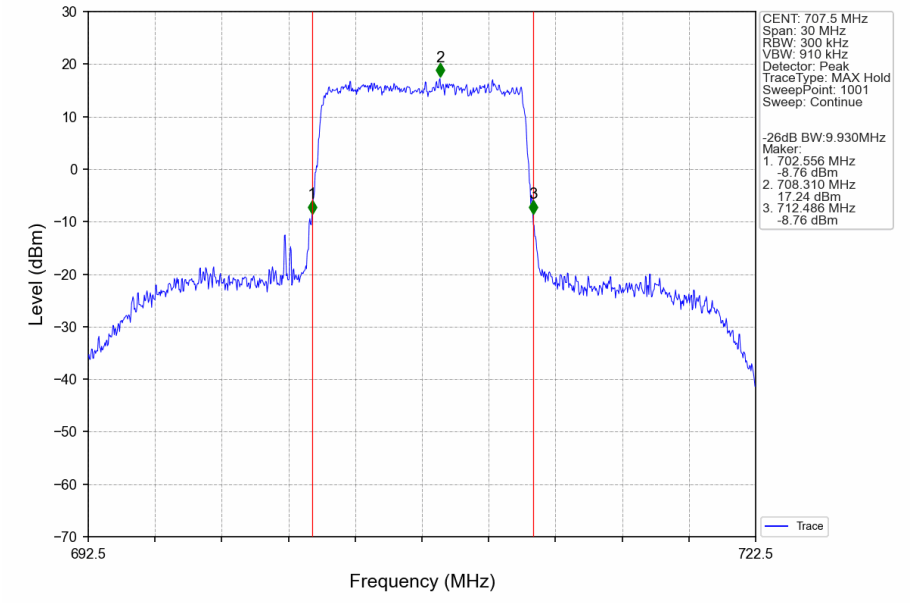
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



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

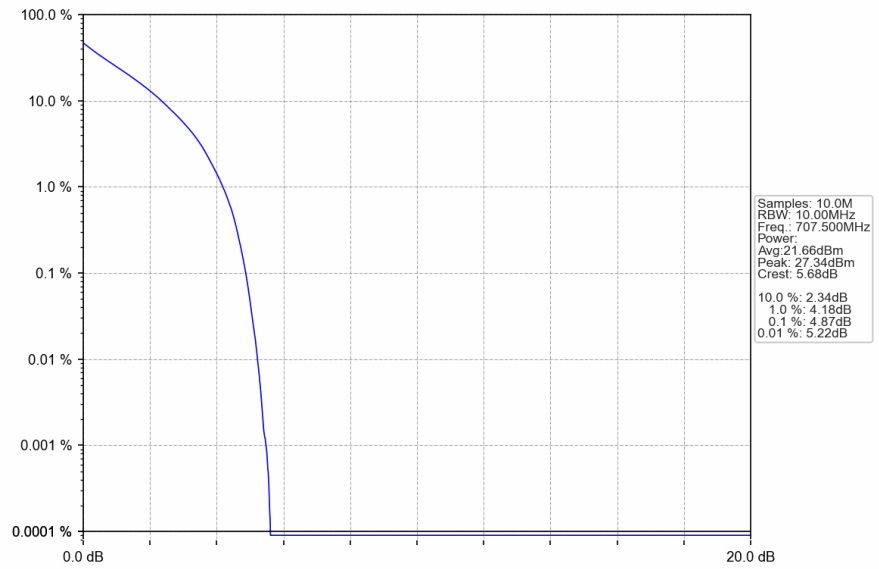
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	4.87	<=13	Pass
16QAM	707.5	50	0	5.63	<=13	Pass
64QAM	707.5	50	0	6.18	<=13	Pass
256QAM	707.5	50	0	6.58	<=13	Pass

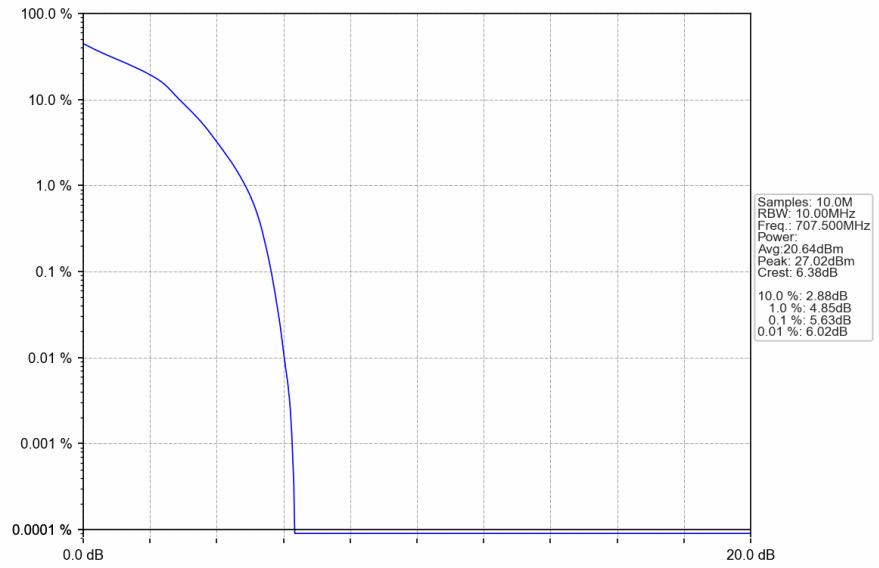
4.2 Test Graph

4.2.1 B12_10MHz

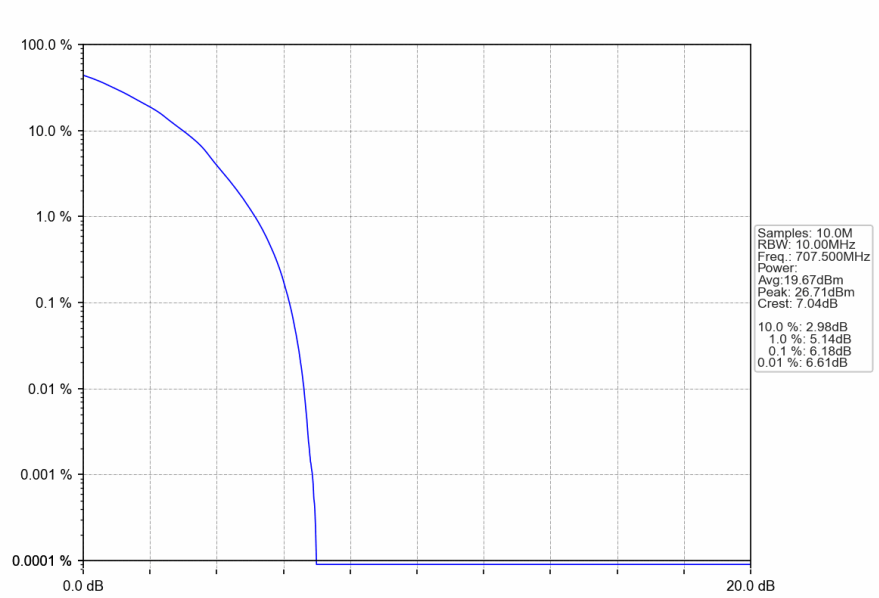
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



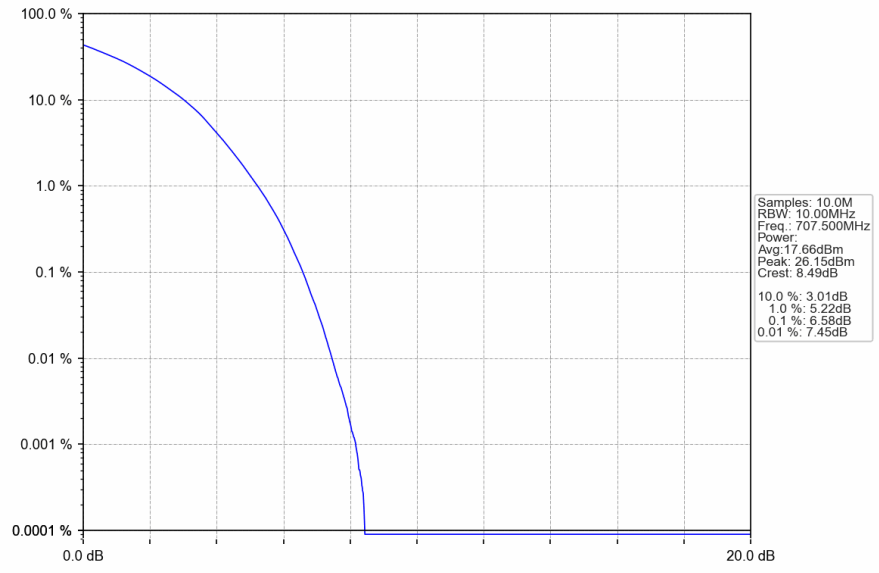
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



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

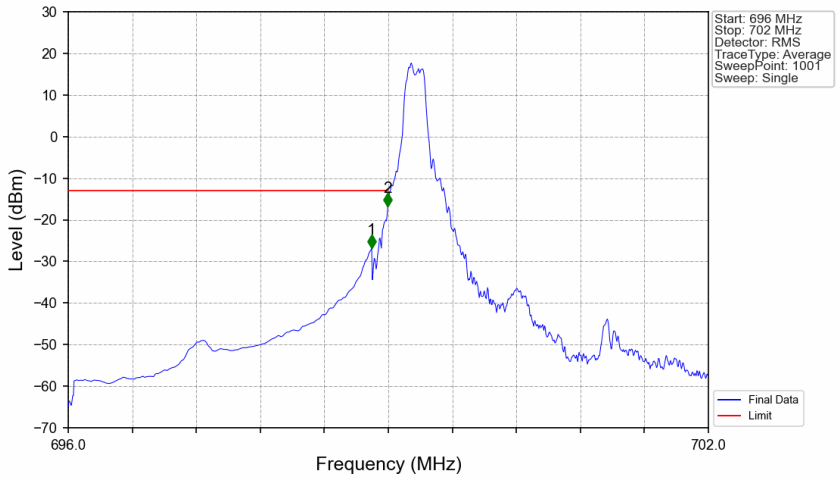
5.1.4 B12_10MHz

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

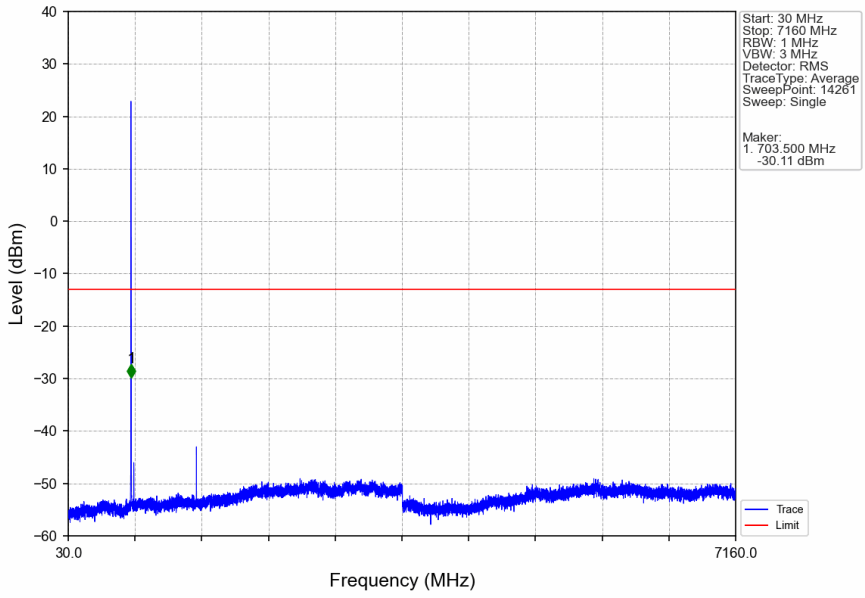
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

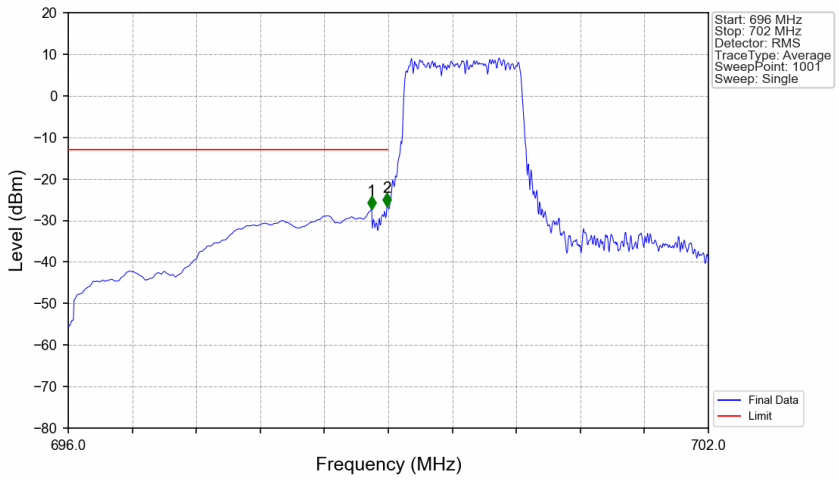


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-26.83	-13	Pass
698.9	699	0.03	/	2	698.994	-16.79	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

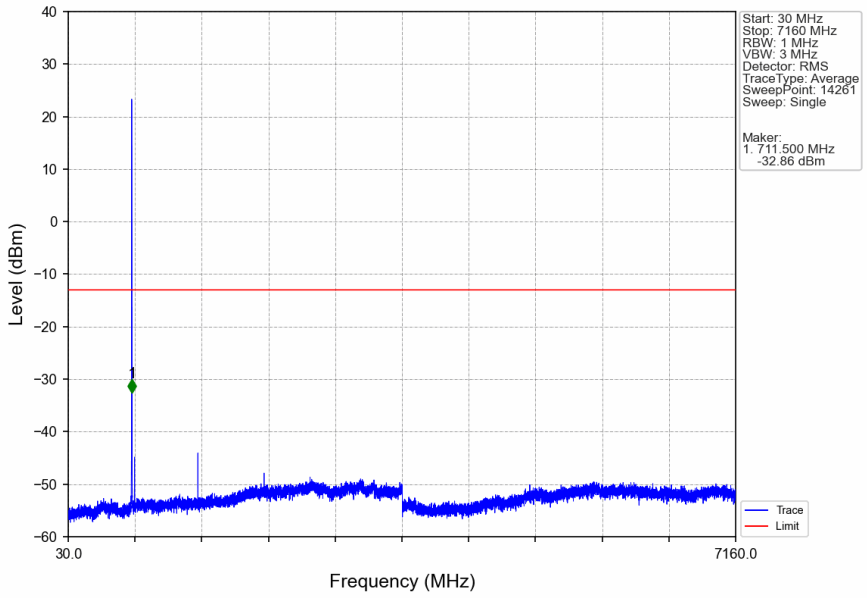


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

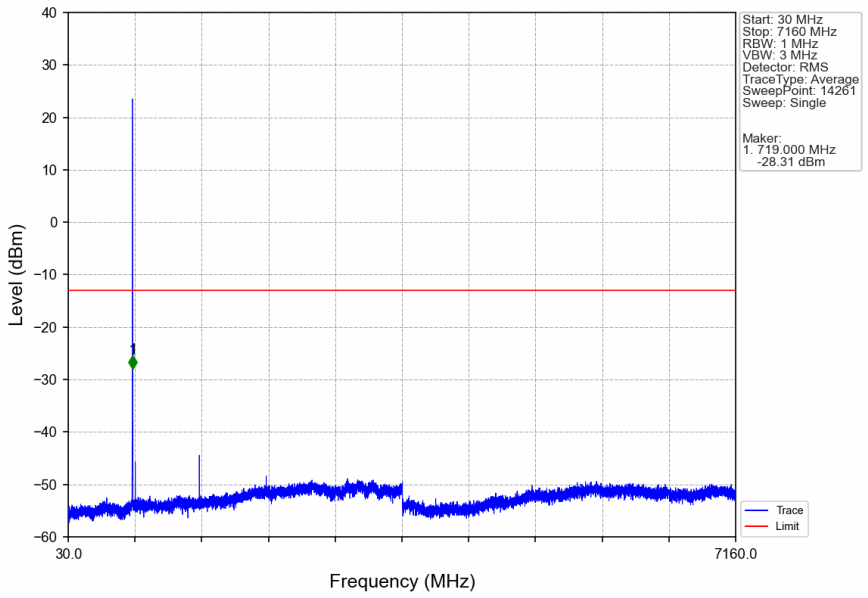


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-27.39	-13	Pass
698.9	699	0.03	/	2	698.988	-26.54	-13	Pass
699	702	0.03	/	/	/	/	/	/

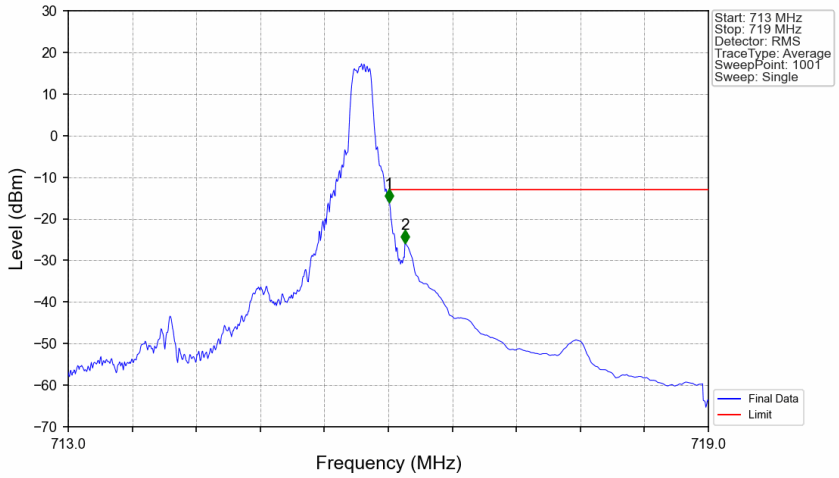
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

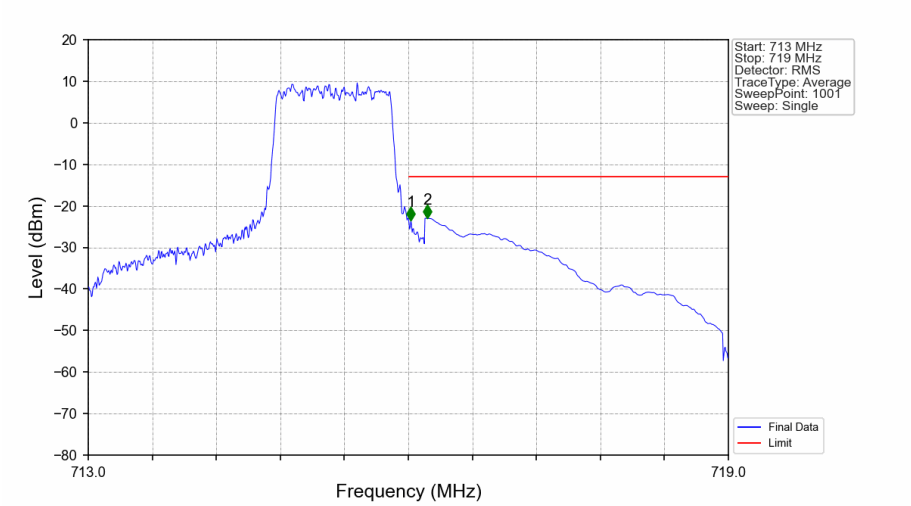


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	-16.08	-13	Pass
716.1	719	0.1	CHP	2	716.156	-25.78	-13	Pass

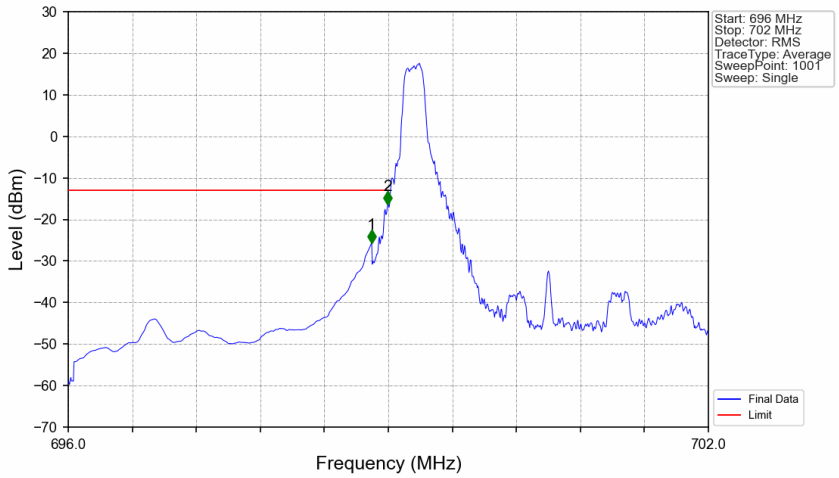
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	716.024	-23.53	-13	Pass
716.1	719	0.1	CHP	2	716.180	-22.97	-13	Pass

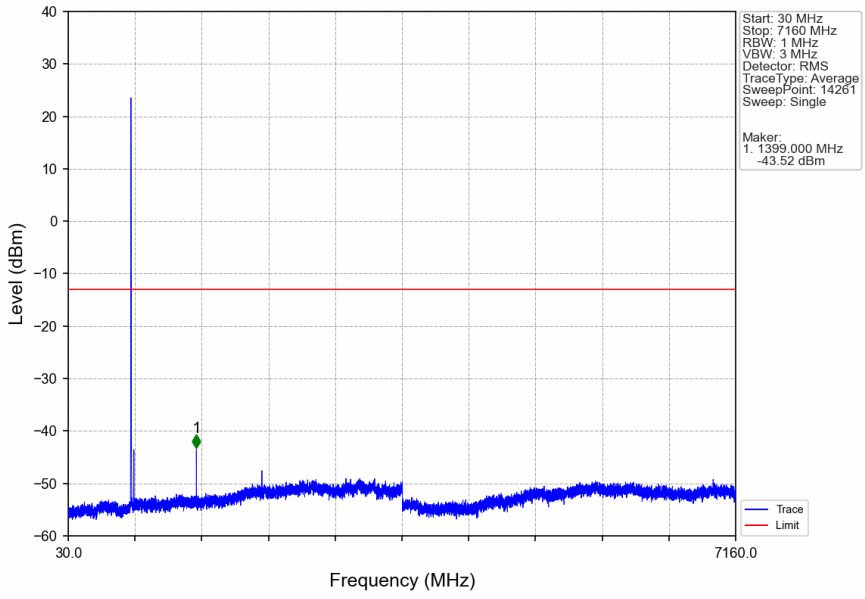
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

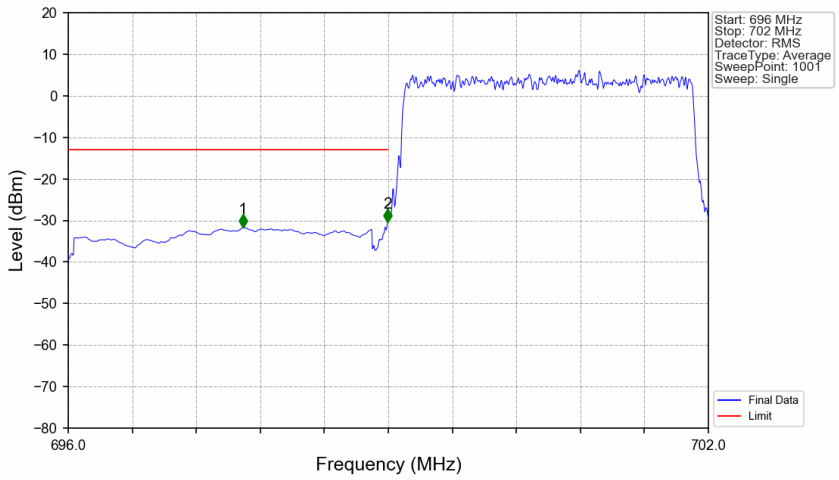


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-25.61	-13	Pass
698.9	699	0.03	/	2	698.994	-16.36	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

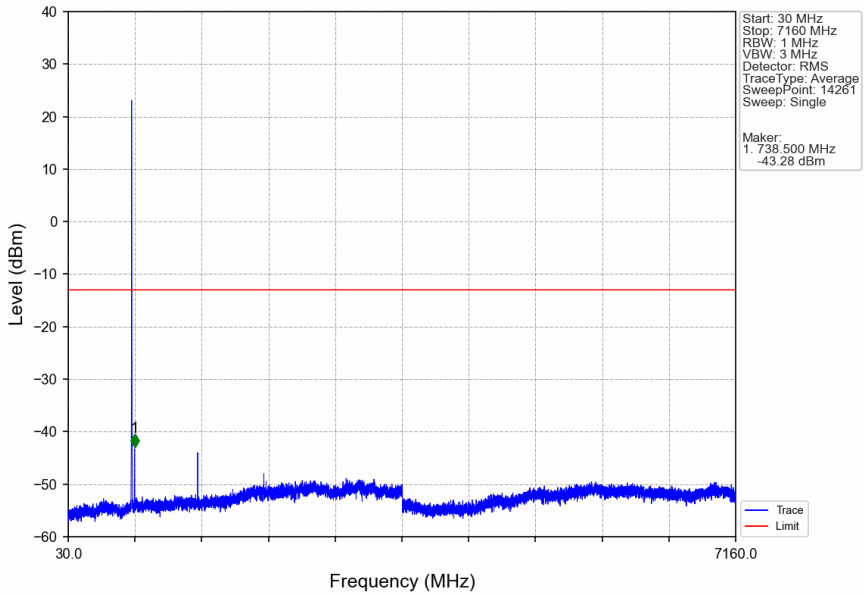


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

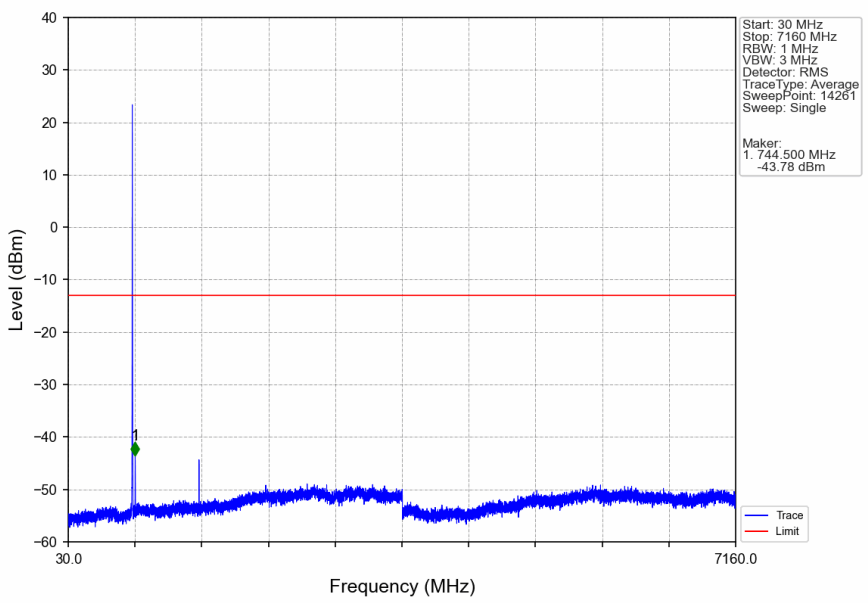


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	697.638	-31.74	-13	Pass
698.9	699	0.03	/	2	698.994	-30.32	-13	Pass
699	702	0.03	/	/	/	/	/	/

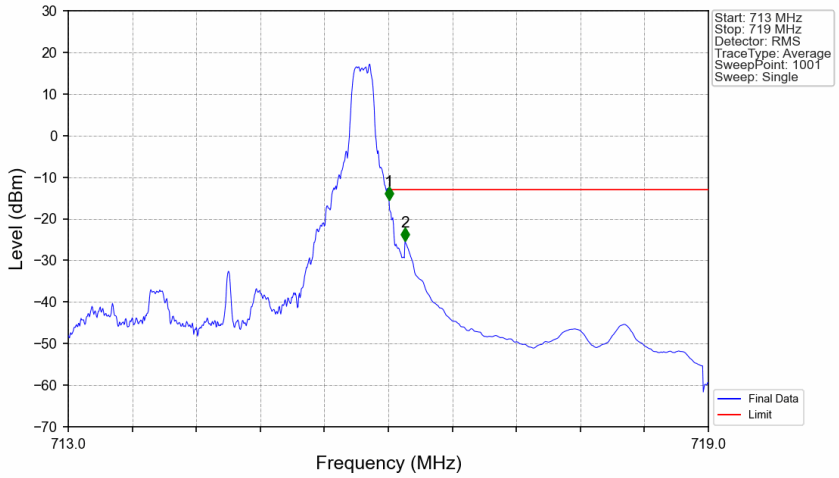
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

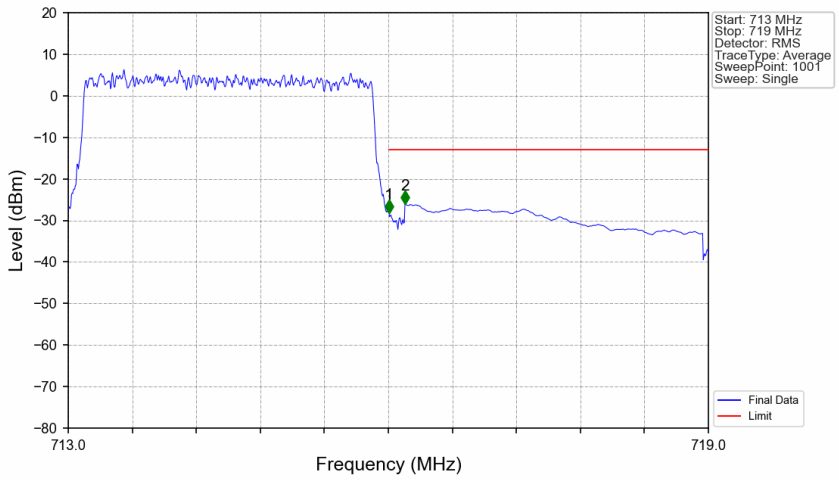


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-15.41	-13	Pass
716.1	719	0.1	CHP	2	716.156	-25.38	-13	Pass

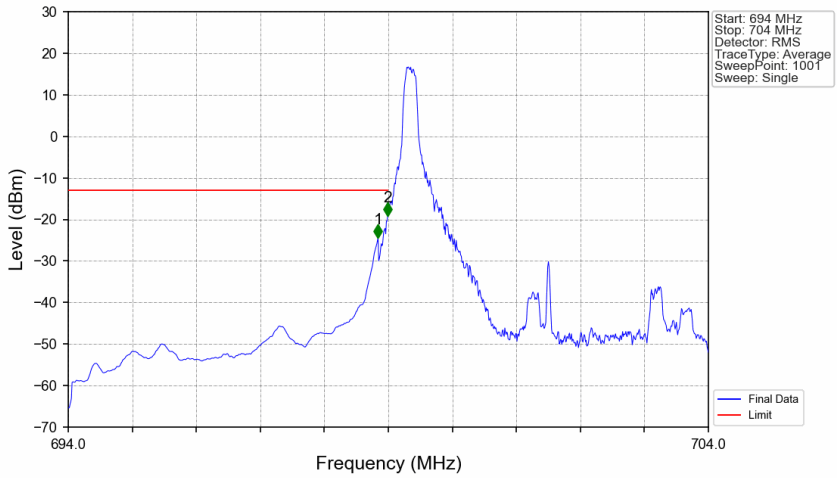
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	716.006	-28.18	-13	Pass
716.1	719	0.1	CHP	2	716.156	-26.04	-13	Pass

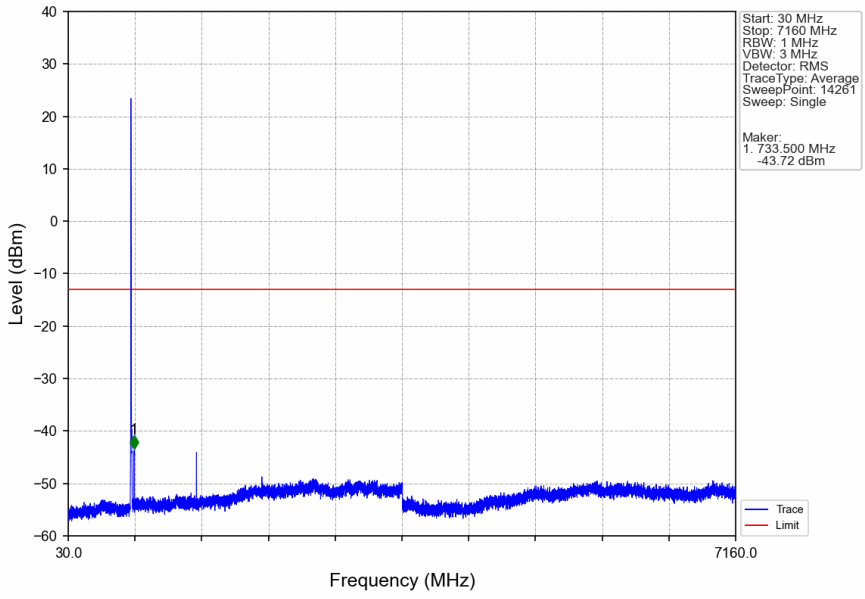
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

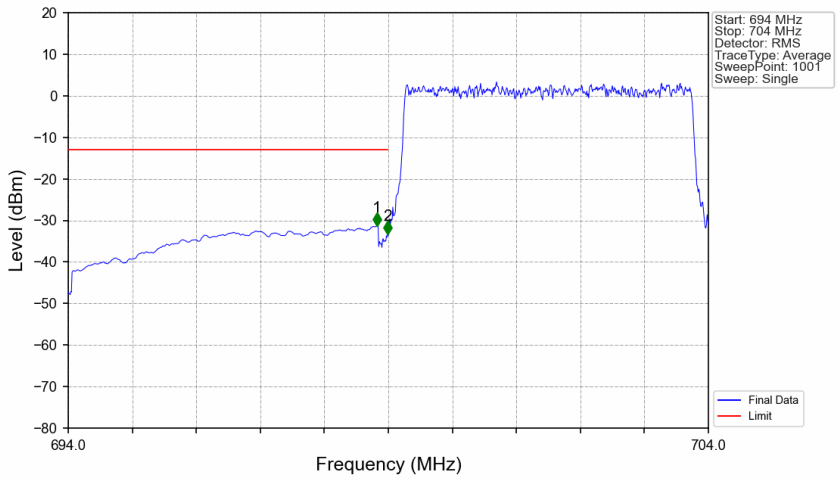


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-24.36	-13	Pass
698.9	699	0.03	/	2	698.990	-19.11	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

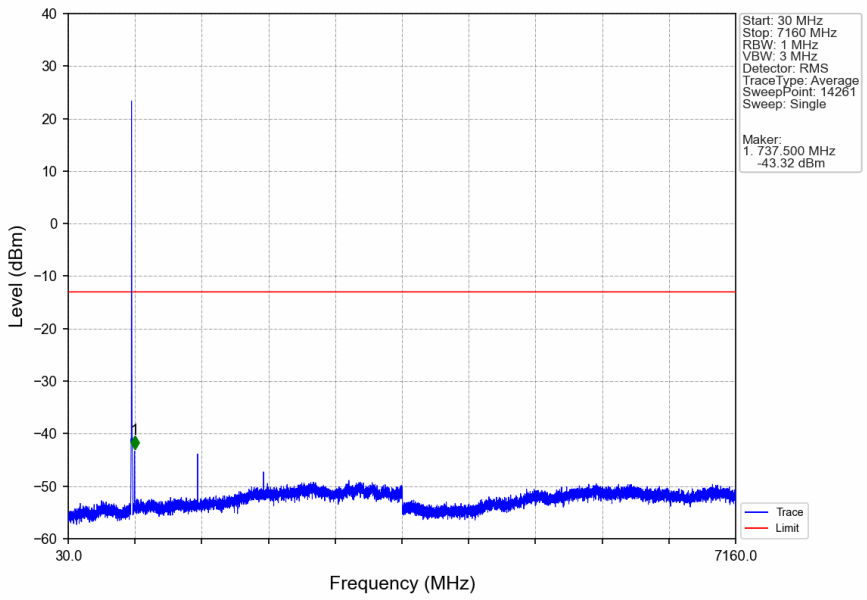


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

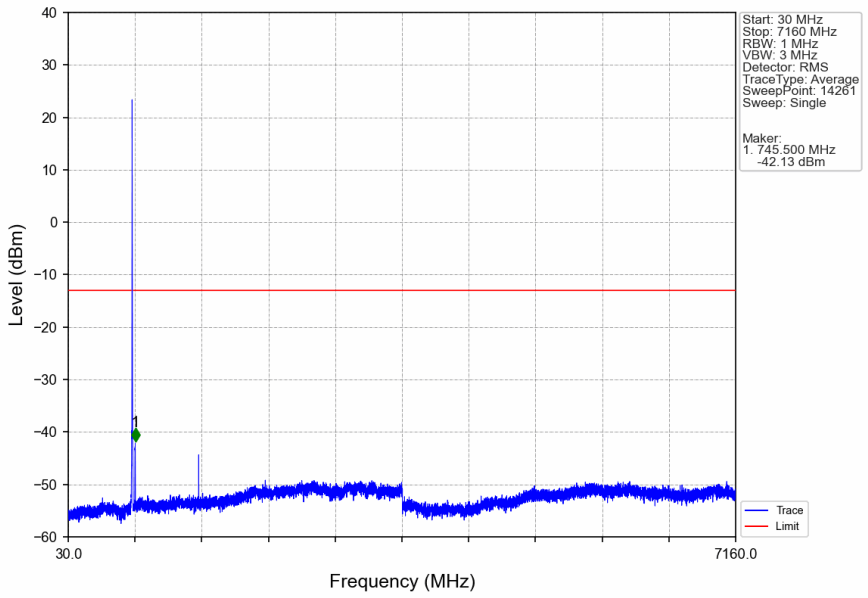


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.820	-31.38	-13	Pass
698.9	699	0.03	/	2	698.990	-33.27	-13	Pass
699	704	0.03	/	/	/	/	/	/

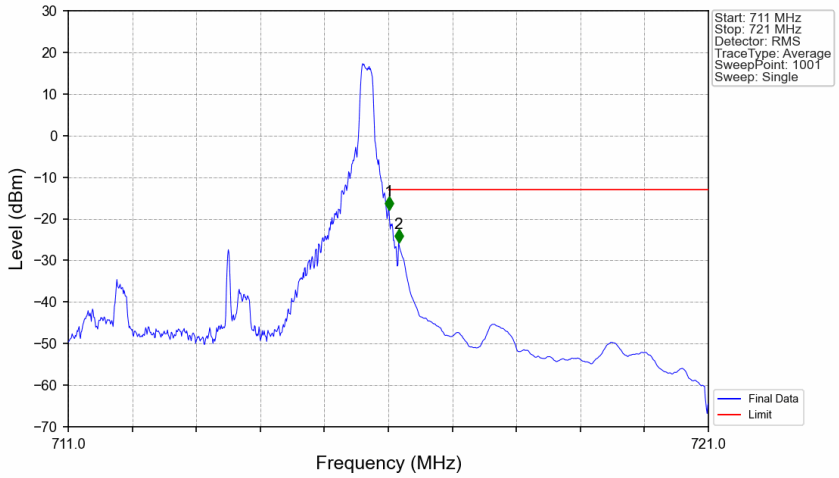
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

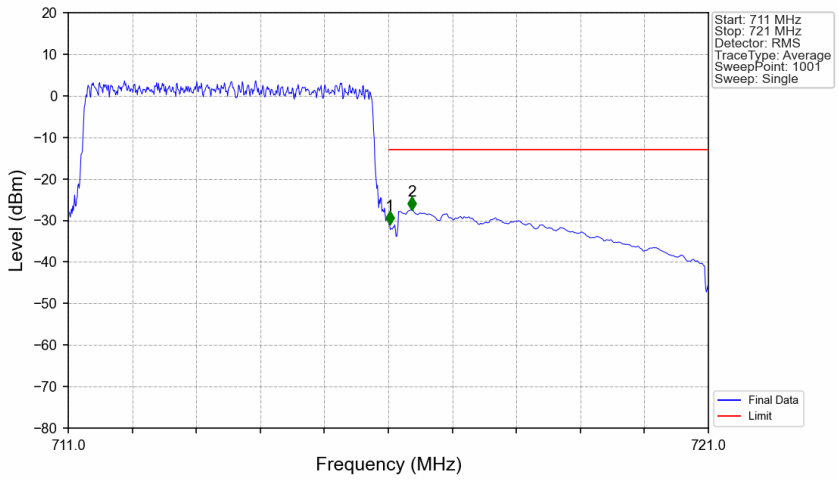


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-17.80	-13	Pass
716.1	721	0.1	CHP	2	716.160	-25.71	-13	Pass

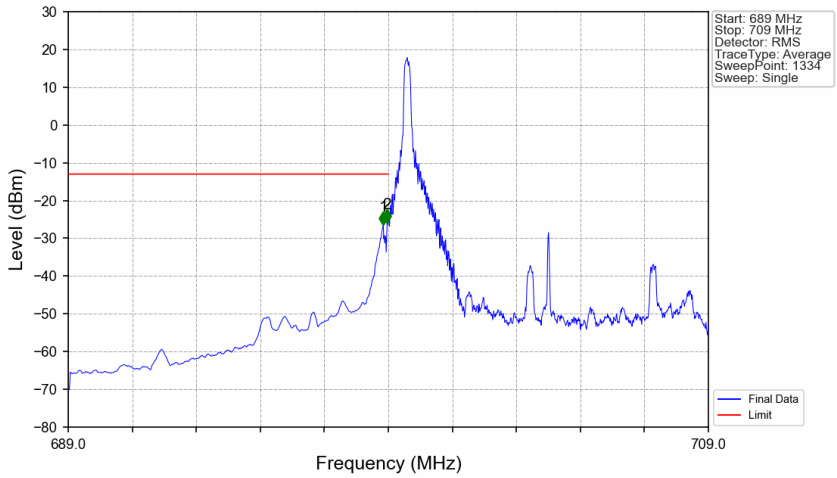
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	716.020	-30.91	-13	Pass
716.1	721	0.1	CHP	2	716.370	-27.41	-13	Pass

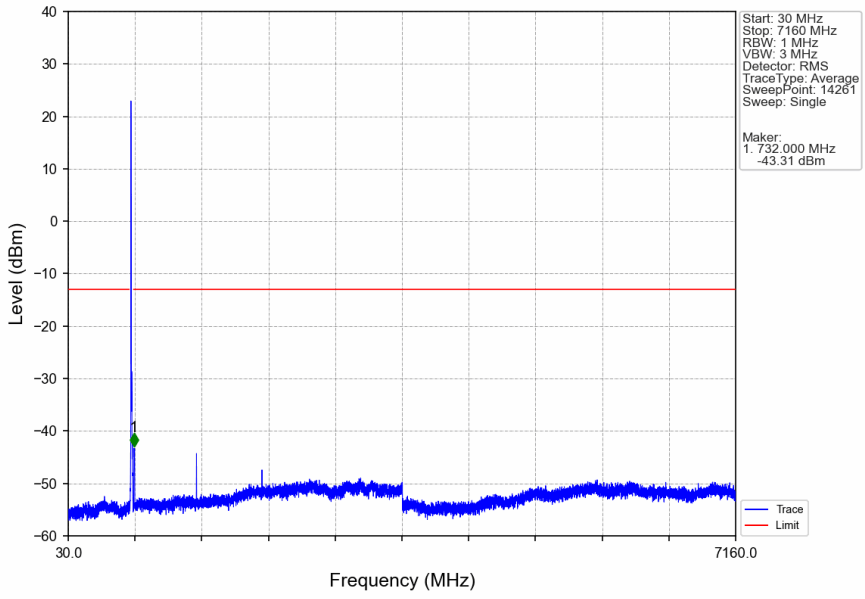
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

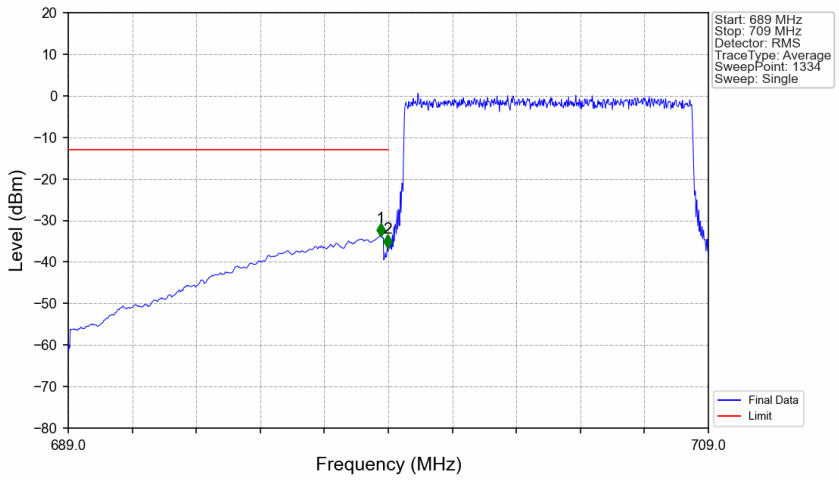


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-26.52	-13	Pass
698.9	699	0.03	/	2	698.962	-25.79	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

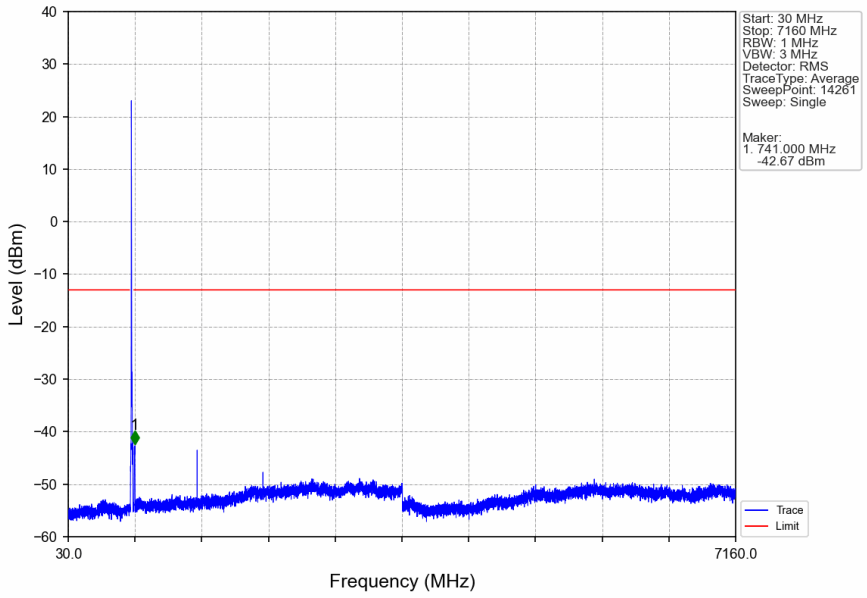


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

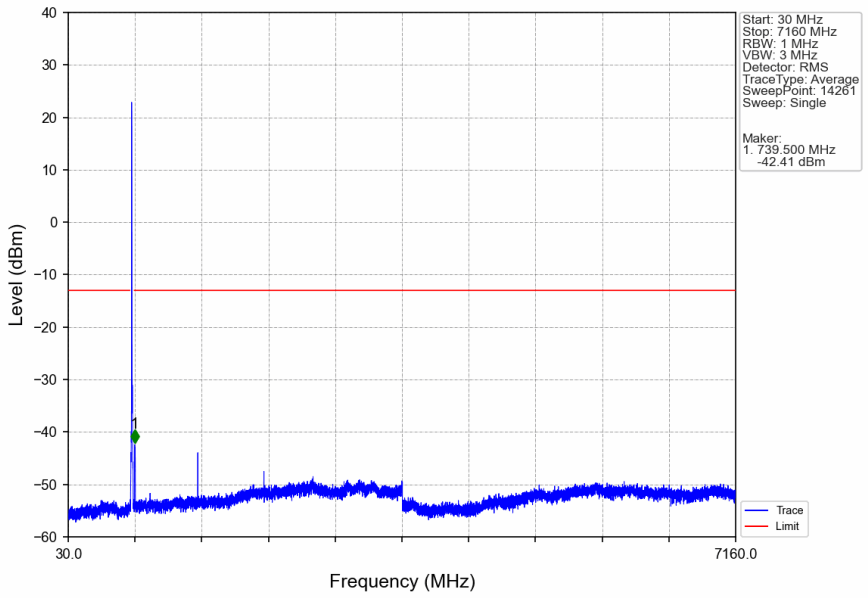


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.752	-33.80	-13	Pass
698.9	699	0.03	/	2	698.977	-36.50	-13	Pass
699	709	0.03	/	/	/	/	/	/

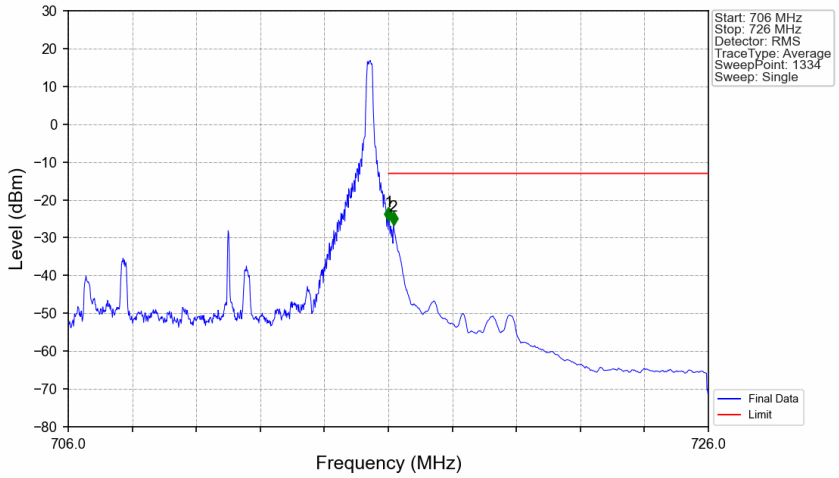
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

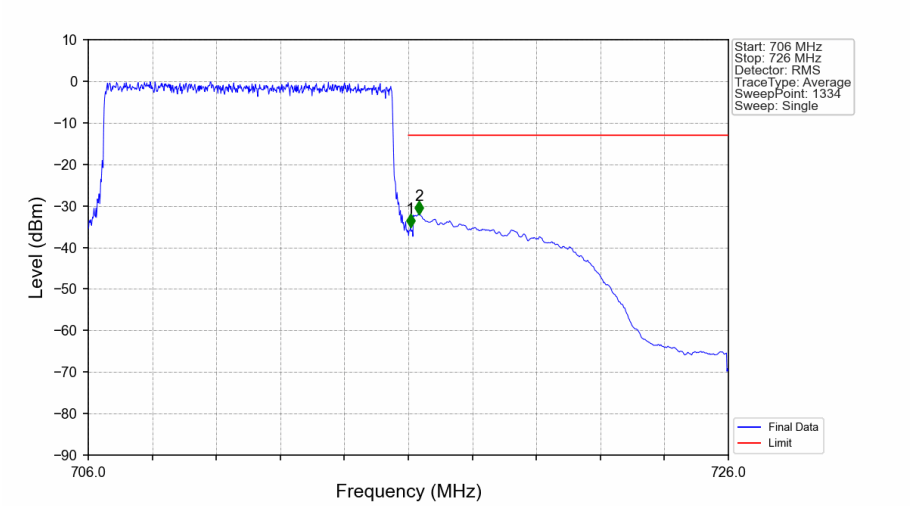


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-25.39	-13	Pass
716.1	726	0.1	CHP	2	716.158	-26.60	-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	716.068	-35.11	-13	Pass
716.1	726	0.1	CHP	2	716.338	-32.08	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 12 ANT0-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1399.0	-59.83	-13	-46.83	-62.6	2.47	5.24	Horizontal	Pass
2098.5	-70.05	-13	-57.05	-72.12	2.79	4.86	Horizontal	Pass
2798.0	-64.53	-13	-51.53	-67.89	3.12	6.48	Horizontal	Pass
1399.0	-59.67	-13	-46.67	-62.44	2.47	5.24	Vertical	Pass
2098.5	-69.03	-13	-56.03	-71.1	2.79	4.86	Vertical	Pass
2798.0	-64.64	-13	-51.64	-68.0	3.12	6.48	Vertical	Pass

LTE Band 12 ANT0-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1406.0	-60.15	-13	-47.15	-62.95	2.48	5.28	Horizontal	Pass
2109.0	-69.82	-13	-56.82	-71.9	2.8	4.88	Horizontal	Pass
2812.0	-67.66	-13	-54.66	-71.05	3.12	6.51	Horizontal	Pass
1406.0	-62.68	-13	-49.68	-65.48	2.48	5.28	Vertical	Pass
2109.0	-69.15	-13	-56.15	-71.23	2.8	4.88	Vertical	Pass
2812.0	-66.65	-13	-53.65	-70.04	3.12	6.51	Vertical	Pass

LTE Band 12 ANT0-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1413.0	-59.48	-13	-46.48	-62.32	2.49	5.33	Horizontal	Pass
2119.5	-70.11	-13	-57.11	-72.21	2.81	4.91	Horizontal	Pass
2826.0	-66.46	-13	-53.46	-69.87	3.13	6.54	Horizontal	Pass
1413.0	-60.87	-13	-47.87	-63.71	2.49	5.33	Vertical	Pass
2119.5	-67.07	-13	-54.07	-69.17	2.81	4.91	Vertical	Pass
2826.0	-65.58	-13	-52.58	-68.99	3.13	6.54	Vertical	Pass