1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.38	-4.00	17.23	<=34.77	Pass
			2	23.38	-4.00	17.23	<=34.77	Pass
			5	23.36	-4.00	17.21	<=34.77	Pass
		3	0	23.45	-4.00	17.30	<=34.77	Pass
			2	23.43	-4.00	17.28	<=34.77	Pass
			3	23.40	-4.00	17.25	<=34.77	Pass
		6	0	22.37	-4.00	16.22	<=34.77	Pass
	707.5	1	0	23.26	-4.00	17.11	<=34.77	Pass
			2	23.30	-4.00	17.15	<=34.77	Pass
			5	23.34	-4.00	17.19	<=34.77	Pass
		3	0	23.20	-4.00	17.05	<=34.77	Pass
			2	23.18	-4.00	17.03	<=34.77	Pass
			3	23.26	-4.00	17.11	<=34.77	Pass
		6	0	22.21	-4.00	16.06	<=34.77	Pass
	715.3	1	0	23.10	-4.00	16.95	<=34.77	Pass
			2	23.08	-4.00	16.93	<=34.77	Pass
			5	23.10	-4.00	16.95	<=34.77	Pass
		3	0	23.11	-4.00	16.96	<=34.77	Pass
			2	23.09	-4.00	16.94	<=34.77	Pass
			3	23.07	-4.00	16.92	<=34.77	Pass
		6	0	22.10	-4.00	15.95	<=34.77	Pass
16QAM	699.7	1	0	22.48	-4.00	16.33	<=34.77	Pass
			2	22.51	-4.00	16.36	<=34.77	Pass
			5	22.48	-4.00	16.33	<=34.77	Pass
		3	0	22.31	-4.00	16.16	<=34.77	Pass
			2	22.30	-4.00	16.15	<=34.77	Pass
			3	22.39	-4.00	16.24	<=34.77	Pass
		6	0	21.48	-4.00	15.33	<=34.77	Pass
	707.5	1	0	22.16	-4.00	16.01	<=34.77	Pass
			2	22.39	-4.00	16.24	<=34.77	Pass
			5	22.17	-4.00	16.02	<=34.77	Pass
		3	0	22.23	-4.00	16.08	<=34.77	Pass
			2	22.19	-4.00	16.04	<=34.77	Pass
			3	22.20	-4.00	16.05	<=34.77	Pass
		6	0	21.11	-4.00	14.96	<=34.77	Pass
	715.3	1	0	22.22	-4.00	16.07	<=34.77	Pass
			2	22.22	-4.00	16.07	<=34.77	Pass
			5	21.78	-4.00	15.63	<=34.77	Pass
		3	0	22.01	-4.00	15.86	<=34.77	Pass
			2	22.08	-4.00	15.93	<=34.77	Pass
			3	22.16	-4.00	16.01	<=34.77	Pass
		6	0	21.17	-4.00	15.02	<=34.77	Pass
64QAM	699.7	1	0	21.25	-4.00	15.10	<=34.77	Pass
			2	21.40	-4.00	15.25	<=34.77	Pass
			5	21.40	-4.00	15.25	<=34.77	Pass
		3	0	21.40	-4.00	15.25	<=34.77	Pass
			2	21.37	-4.00	15.22	<=34.77	Pass
			3	21.47	-4.00	15.32	<=34.77	Pass
		6	0	20.26	-4.00	14.11	<=34.77	Pass

	707.5	1	0	21.42	-4.00	15.27	<=34.77	Pass
			2	21.41	-4.00	15.26	<=34.77	Pass
			5	21.34	-4.00	15.19	<=34.77	Pass
		3	0	21.26	-4.00	15.11	<=34.77	Pass
			2	21.32	-4.00	15.17	<=34.77	Pass
			3	21.33	-4.00	15.18	<=34.77	Pass
		6	0	20.26	-4.00	14.11	<=34.77	Pass
	715.3	1	0	21.25	-4.00	15.10	<=34.77	Pass
			2	20.99	-4.00	14.84	<=34.77	Pass
			5	21.09	-4.00	14.94	<=34.77	Pass
		3	0	21.13	-4.00	14.98	<=34.77	Pass
			2	21.33	-4.00	15.18	<=34.77	Pass
			3	21.26	-4.00	15.11	<=34.77	Pass
		6	0	20.13	-4.00	13.98	<=34.77	Pass
256QAM	699.7	1	0	18.55	-4.00	12.40	<=34.77	Pass
			2	18.40	-4.00	12.25	<=34.77	Pass
			5	18.40	-4.00	12.25	<=34.77	Pass
		3	0	18.48	-4.00	12.33	<=34.77	Pass
			2	10.81	-4.00	4.66	<=34.77	Pass
			3	18.48	-4.00	12.33	<=34.77	Pass
		6	0	18.37	-4.00	12.22	<=34.77	Pass
	707.5	1	0	18.39	-4.00	12.24	<=34.77	Pass
			2	18.28	-4.00	12.13	<=34.77	Pass
			5	18.31	-4.00	12.16	<=34.77	Pass
		3	0	18.37	-4.00	12.22	<=34.77	Pass
			2	18.31	-4.00	12.16	<=34.77	Pass
			3	18.32	-4.00	12.17	<=34.77	Pass
		6	0	18.26	-4.00	12.11	<=34.77	Pass
	715.3	1	0	17.67	-4.00	11.52	<=34.77	Pass
			2	18.26	-4.00	12.11	<=34.77	Pass
			5	18.30	-4.00	12.15	<=34.77	Pass
		3	0	18.32	-4.00	12.17	<=34.77	Pass
			2	18.20	-4.00	12.05	<=34.77	Pass
			3	18.18	-4.00	12.03	<=34.77	Pass
		6	0	18.11	-4.00	11.96	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.38	-4.00	17.23	<=34.77	Pass
			7	23.41	-4.00	17.26	<=34.77	Pass
			14	23.36	-4.00	17.21	<=34.77	Pass
		8	0	22.37	-4.00	16.22	<=34.77	Pass
			4	22.37	-4.00	16.22	<=34.77	Pass
			7	22.41	-4.00	16.26	<=34.77	Pass
		15	0	22.40	-4.00	16.25	<=34.77	Pass
	707.5	1	0	23.26	-4.00	17.11	<=34.77	Pass
			7	23.21	-4.00	17.06	<=34.77	Pass
			14	23.27	-4.00	17.12	<=34.77	Pass
		8	0	22.23	-4.00	16.08	<=34.77	Pass
			4	22.17	-4.00	16.02	<=34.77	Pass
			7	22.19	-4.00	16.04	<=34.77	Pass
		15	0	22.26	-4.00	16.11	<=34.77	Pass
	714.5	1	0	23.14	-4.00	16.99	<=34.77	Pass

			7	23.12	-4.00	16.97	<=34.77	Pass
			14	23.07	-4.00	16.92	<=34.77	Pass
		8	0	22.13	-4.00	15.98	<=34.77	Pass
			4	22.11	-4.00	15.96	<=34.77	Pass
			7	22.07	-4.00	15.92	<=34.77	Pass
		15	0	22.08	-4.00	15.93	<=34.77	Pass
16QAM	700.5	1	0	22.64	-4.00	16.49	<=34.77	Pass
			7	22.61	-4.00	16.46	<=34.77	Pass
			14	22.61	-4.00	16.46	<=34.77	Pass
		8	0	21.47	-4.00	15.32	<=34.77	Pass
			4	21.43	-4.00	15.28	<=34.77	Pass
			7	21.37	-4.00	15.22	<=34.77	Pass
		15	0	21.27	-4.00	15.12	<=34.77	Pass
	707.5	1	0	22.58	-4.00	16.43	<=34.77	Pass
			7	22.43	-4.00	16.28	<=34.77	Pass
			14	22.51	-4.00	16.36	<=34.77	Pass
		8	0	21.35	-4.00	15.20	<=34.77	Pass
			4	21.29	-4.00	15.14	<=34.77	Pass
			7	21.28	-4.00	15.13	<=34.77	Pass
		15	0	21.16	-4.00	15.01	<=34.77	Pass
	714.5	1	0	22.36	-4.00	16.21	<=34.77	Pass
			7	22.30	-4.00	16.15	<=34.77	Pass
			14	22.35	-4.00	16.20	<=34.77	Pass
		8	0	21.21	-4.00	15.06	<=34.77	Pass
			4	21.22	-4.00	15.07	<=34.77	Pass
			7	21.17	-4.00	15.02	<=34.77	Pass
		15	0	21.09	-4.00	14.94	<=34.77	Pass
64QAM	700.5	1	0	21.58	-4.00	15.43	<=34.77	Pass
			7	21.43	-4.00	15.28	<=34.77	Pass
			14	21.42	-4.00	15.27	<=34.77	Pass
		8	0	20.39	-4.00	14.24	<=34.77	Pass
			4	20.42	-4.00	14.27	<=34.77	Pass
			7	20.37	-4.00	14.22	<=34.77	Pass
		15	0	20.35	-4.00	14.20	<=34.77	Pass
	707.5	1	0	21.48	-4.00	15.33	<=34.77	Pass
			7	21.41	-4.00	15.26	<=34.77	Pass
			14	21.29	-4.00	15.14	<=34.77	Pass
		8	0	20.31	-4.00	14.16	<=34.77	Pass
			4	20.37	-4.00	14.22	<=34.77	Pass
			7	20.31	-4.00	14.16	<=34.77	Pass
		15	0	20.21	-4.00	14.06	<=34.77	Pass
	714.5	1	0	21.44	-4.00	15.29	<=34.77	Pass
			7	21.33	-4.00	15.18	<=34.77	Pass
			14	20.97	-4.00	14.82	<=34.77	Pass
		8	0	20.20	-4.00	14.05	<=34.77	Pass
			4	20.16	-4.00	14.01	<=34.77	Pass
			7	20.21	-4.00	14.06	<=34.77	Pass
		15	0	20.12	-4.00	13.97	<=34.77	Pass
256QAM	700.5	1	0	18.49	-4.00	12.34	<=34.77	Pass
			7	18.38	-4.00	12.23	<=34.77	Pass
			14	18.42	-4.00	12.27	<=34.77	Pass
		8	0	18.40	-4.00	12.25	<=34.77	Pass
			4	18.27	-4.00	12.12	<=34.77	Pass
			7	18.28	-4.00	12.13	<=34.77	Pass
		15	0	18.19	-4.00	12.04	<=34.77	Pass
	707.5	1	0	18.30	-4.00	12.15	<=34.77	Pass
			7	18.25	-4.00	12.10	<=34.77	Pass
			14	18.29	-4.00	12.14	<=34.77	Pass
		8	0	18.29	-4.00	12.14	<=34.77	Pass

			4	18.24	-4.00	12.09	<=34.77	Pass
			7	18.19	-4.00	12.04	<=34.77	Pass
		15	0	18.29	-4.00	12.14	<=34.77	Pass
	714.5	1	0	18.36	-4.00	12.21	<=34.77	Pass
			7	18.26	-4.00	12.11	<=34.77	Pass
			14	18.19	-4.00	12.04	<=34.77	Pass
		8	0	18.23	-4.00	12.08	<=34.77	Pass
			4	18.18	-4.00	12.03	<=34.77	Pass
			7	18.13	-4.00	11.98	<=34.77	Pass
		15	0	18.15	-4.00	12.00	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.42	-4.00	17.27	<=34.77	Pass
			13	23.17	-4.00	17.02	<=34.77	Pass
			24	23.31	-4.00	17.16	<=34.77	Pass
		12	0	22.46	-4.00	16.31	<=34.77	Pass
			6	22.42	-4.00	16.27	<=34.77	Pass
			13	22.35	-4.00	16.20	<=34.77	Pass
		25	0	22.28	-4.00	16.13	<=34.77	Pass
	707.5	1	0	23.23	-4.00	17.08	<=34.77	Pass
			13	23.18	-4.00	17.03	<=34.77	Pass
			24	23.26	-4.00	17.11	<=34.77	Pass
		12	0	22.31	-4.00	16.16	<=34.77	Pass
			6	22.27	-4.00	16.12	<=34.77	Pass
			13	22.29	-4.00	16.14	<=34.77	Pass
		25	0	22.30	-4.00	16.15	<=34.77	Pass
	713.5	1	0	23.24	-4.00	17.09	<=34.77	Pass
			13	23.26	-4.00	17.11	<=34.77	Pass
			24	23.11	-4.00	16.96	<=34.77	Pass
		12	0	22.27	-4.00	16.12	<=34.77	Pass
			6	22.22	-4.00	16.07	<=34.77	Pass
			13	22.19	-4.00	16.04	<=34.77	Pass
		25	0	22.21	-4.00	16.06	<=34.77	Pass
16QAM	701.5	1	0	22.65	-4.00	16.50	<=34.77	Pass
			13	22.53	-4.00	16.38	<=34.77	Pass
			24	22.12	-4.00	15.97	<=34.77	Pass
		12	0	21.43	-4.00	15.28	<=34.77	Pass
			6	21.42	-4.00	15.27	<=34.77	Pass
			13	21.12	-4.00	14.97	<=34.77	Pass
		25	0	21.27	-4.00	15.12	<=34.77	Pass
	707.5	1	0	22.61	-4.00	16.46	<=34.77	Pass
			13	22.51	-4.00	16.36	<=34.77	Pass
			24	22.39	-4.00	16.24	<=34.77	Pass
		12	0	21.20	-4.00	15.05	<=34.77	Pass
			6	21.35	-4.00	15.20	<=34.77	Pass
			13	21.28	-4.00	15.13	<=34.77	Pass
		25	0	21.30	-4.00	15.15	<=34.77	Pass
	713.5	1	0	22.53	-4.00	16.38	<=34.77	Pass
			13	22.21	-4.00	16.06	<=34.77	Pass
			24	22.13	-4.00	15.98	<=34.77	Pass
		12	0	21.25	-4.00	15.10	<=34.77	Pass
			6	21.21	-4.00	15.06	<=34.77	Pass

			13	21.21	-4.00	15.06	<=34.77	Pass
		25	0	21.22	-4.00	15.07	<=34.77	Pass
64QAM	701.5	1	0	21.33	-4.00	15.18	<=34.77	Pass
			13	21.23	-4.00	15.08	<=34.77	Pass
			24	21.35	-4.00	15.20	<=34.77	Pass
		12	0	20.42	-4.00	14.27	<=34.77	Pass
			6	20.40	-4.00	14.25	<=34.77	Pass
			13	20.44	-4.00	14.29	<=34.77	Pass
		25	0	20.39	-4.00	14.24	<=34.77	Pass
	707.5	1	0	21.40	-4.00	15.25	<=34.77	Pass
			13	21.22	-4.00	15.07	<=34.77	Pass
			24	21.33	-4.00	15.18	<=34.77	Pass
		12	0	20.39	-4.00	14.24	<=34.77	Pass
			6	20.32	-4.00	14.17	<=34.77	Pass
			13	20.32	-4.00	14.17	<=34.77	Pass
		25	0	20.31	-4.00	14.16	<=34.77	Pass
	713.5	1	0	21.47	-4.00	15.32	<=34.77	Pass
			13	21.10	-4.00	14.95	<=34.77	Pass
			24	21.15	-4.00	15.00	<=34.77	Pass
		12	0	20.28	-4.00	14.13	<=34.77	Pass
			6	20.23	-4.00	14.08	<=34.77	Pass
			13	20.25	-4.00	14.10	<=34.77	Pass
		25	0	20.19	-4.00	14.04	<=34.77	Pass
256QAM	701.5	1	0	18.53	-4.00	12.38	<=34.77	Pass
			13	18.46	-4.00	12.31	<=34.77	Pass
			24	18.43	-4.00	12.28	<=34.77	Pass
		12	0	18.39	-4.00	12.24	<=34.77	Pass
			6	18.36	-4.00	12.21	<=34.77	Pass
			13	18.32	-4.00	12.17	<=34.77	Pass
		25	0	18.40	-4.00	12.25	<=34.77	Pass
	707.5	1	0	18.35	-4.00	12.20	<=34.77	Pass
			13	18.40	-4.00	12.25	<=34.77	Pass
			24	18.34	-4.00	12.19	<=34.77	Pass
		12	0	18.29	-4.00	12.14	<=34.77	Pass
			6	18.32	-4.00	12.17	<=34.77	Pass
			13	18.33	-4.00	12.18	<=34.77	Pass
		25	0	18.29	-4.00	12.14	<=34.77	Pass
	713.5	1	0	18.33	-4.00	12.18	<=34.77	Pass
			13	18.27	-4.00	12.12	<=34.77	Pass
			24	18.24	-4.00	12.09	<=34.77	Pass
		12	0	18.25	-4.00	12.10	<=34.77	Pass
			6	18.24	-4.00	12.09	<=34.77	Pass
			13	18.14	-4.00	11.99	<=34.77	Pass
		25	0	18.19	-4.00	12.04	<=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	23.30	-4.00	17.15	<=34.77	Pass
			25	23.29	-4.00	17.14	<=34.77	Pass
			49	23.39	-4.00	17.24	<=34.77	Pass
		25	0	22.45	-4.00	16.30	<=34.77	Pass
			13	22.35	-4.00	16.20	<=34.77	Pass
			25	22.33	-4.00	16.18	<=34.77	Pass

		50	0	22.40	-4.00	16.25	<=34.77	Pass
	707.5	1	0	23.40	-4.00	17.25	<=34.77	Pass
			25	23.28	-4.00	17.13	<=34.77	Pass
			49	23.31	-4.00	17.16	<=34.77	Pass
		25	0	22.32	-4.00	16.17	<=34.77	Pass
			13	22.32	-4.00	16.17	<=34.77	Pass
			25	22.26	-4.00	16.11	<=34.77	Pass
		50	0	22.34	-4.00	16.19	<=34.77	Pass
	711	1	0	23.33	-4.00	17.18	<=34.77	Pass
			25	23.21	-4.00	17.06	<=34.77	Pass
			49	23.14	-4.00	16.99	<=34.77	Pass
		25	0	22.32	-4.00	16.17	<=34.77	Pass
			13	22.22	-4.00	16.07	<=34.77	Pass
			25	22.21	-4.00	16.06	<=34.77	Pass
		50	0	22.28	-4.00	16.13	<=34.77	Pass
16QAM	704	1	0	22.73	-4.00	16.58	<=34.77	Pass
			25	22.54	-4.00	16.39	<=34.77	Pass
			49	22.41	-4.00	16.26	<=34.77	Pass
		25	0	21.32	-4.00	15.17	<=34.77	Pass
			13	21.33	-4.00	15.18	<=34.77	Pass
			25	21.19	-4.00	15.04	<=34.77	Pass
		50	0	21.26	-4.00	15.11	<=34.77	Pass
	707.5	1	0	22.44	-4.00	16.29	<=34.77	Pass
			25	22.34	-4.00	16.19	<=34.77	Pass
			49	22.39	-4.00	16.24	<=34.77	Pass
		25	0	21.20	-4.00	15.05	<=34.77	Pass
			13	21.30	-4.00	15.15	<=34.77	Pass
			25	21.26	-4.00	15.11	<=34.77	Pass
		50	0	21.29	-4.00	15.14	<=34.77	Pass
	711	1	0	22.58	-4.00	16.43	<=34.77	Pass
			25	22.33	-4.00	16.18	<=34.77	Pass
			49	22.18	-4.00	16.03	<=34.77	Pass
		25	0	21.30	-4.00	15.15	<=34.77	Pass
			13	21.23	-4.00	15.08	<=34.77	Pass
			25	21.25	-4.00	15.10	<=34.77	Pass
		50	0	21.25	-4.00	15.10	<=34.77	Pass
64QAM	704	1	0	21.50	-4.00	15.35	<=34.77	Pass
			25	21.36	-4.00	15.21	<=34.77	Pass
			49	21.20	-4.00	15.05	<=34.77	Pass
		25	0	20.39	-4.00	14.24	<=34.77	Pass
			13	20.34	-4.00	14.19	<=34.77	Pass
			25	20.34	-4.00	14.19	<=34.77	Pass
		50	0	20.33	-4.00	14.18	<=34.77	Pass
	707.5	1	0	21.43	-4.00	15.28	<=34.77	Pass
			25	21.27	-4.00	15.12	<=34.77	Pass
			49	21.30	-4.00	15.15	<=34.77	Pass
		25	0	20.34	-4.00	14.19	<=34.77	Pass
			13	20.29	-4.00	14.14	<=34.77	Pass
			25	20.26	-4.00	14.11	<=34.77	Pass
		50	0	20.31	-4.00	14.16	<=34.77	Pass
	711	1	0	21.45	-4.00	15.30	<=34.77	Pass
			25	21.24	-4.00	15.09	<=34.77	Pass
			49	21.30	-4.00	15.15	<=34.77	Pass
		25	0	20.30	-4.00	14.15	<=34.77	Pass
			13	20.26	-4.00	14.11	<=34.77	Pass
			25	20.21	-4.00	14.06	<=34.77	Pass
		50	0	20.24	-4.00	14.09	<=34.77	Pass
256QAM	704	1	0	18.57	-4.00	12.42	<=34.77	Pass
			25	18.45	-4.00	12.30	<=34.77	Pass

			49	18.41	-4.00	12.26	<=34.77	Pass
		25	0	18.36	-4.00	12.21	<=34.77	Pass
			13	18.32	-4.00	12.17	<=34.77	Pass
			25	18.30	-4.00	12.15	<=34.77	Pass
		50	0	18.32	-4.00	12.17	<=34.77	Pass
	707.5	1	0	18.45	-4.00	12.30	<=34.77	Pass
			25	18.42	-4.00	12.27	<=34.77	Pass
			49	18.27	-4.00	12.12	<=34.77	Pass
		25	0	18.31	-4.00	12.16	<=34.77	Pass
			13	18.28	-4.00	12.13	<=34.77	Pass
			25	18.27	-4.00	12.12	<=34.77	Pass
		50	0	18.28	-4.00	12.13	<=34.77	Pass
	711	1	0	18.22	-4.00	12.07	<=34.77	Pass
			25	18.15	-4.00	12.00	<=34.77	Pass
			49	18.31	-4.00	12.16	<=34.77	Pass
		25	0	18.29	-4.00	12.14	<=34.77	Pass
			13	18.19	-4.00	12.04	<=34.77	Pass
			25	18.21	-4.00	12.06	<=34.77	Pass
		50	0	18.23	-4.00	12.08	<=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	3.6	-1.800	-0.0025	-2.5 to 2.5	Pass
					3.88	-2.600	-0.0037	-2.5 to 2.5	Pass
					4.53	-1.800	-0.0025	-2.5 to 2.5	Pass
				-30	3.88	0.900	0.0013	-2.5 to 2.5	Pass
				-20	3.88	0.600	0.0008	-2.5 to 2.5	Pass
				-10	3.88	-2.400	-0.0034	-2.5 to 2.5	Pass
				0	3.88	-1.100	-0.0016	-2.5 to 2.5	Pass
				10	3.88	-0.600	-0.0008	-2.5 to 2.5	Pass
				30	3.88	0.100	0.0001	-2.5 to 2.5	Pass
				40	3.88	0.300	0.0004	-2.5 to 2.5	Pass
				50	3.88	-0.800	-0.0011	-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	1.098	/	Pass
	16QAM	707.5	6	0	1.095	/	Pass
3	QPSK	707.5	15	0	2.739	/	Pass
	16QAM	707.5	15	0	2.722	/	Pass
5	QPSK	707.5	25	0	4.504	/	Pass
	16QAM	707.5	25	0	4.499	/	Pass
10	QPSK	707.5	50	0	8.989	/	Pass
	16QAM	707.5	50	0	8.967	/	Pass

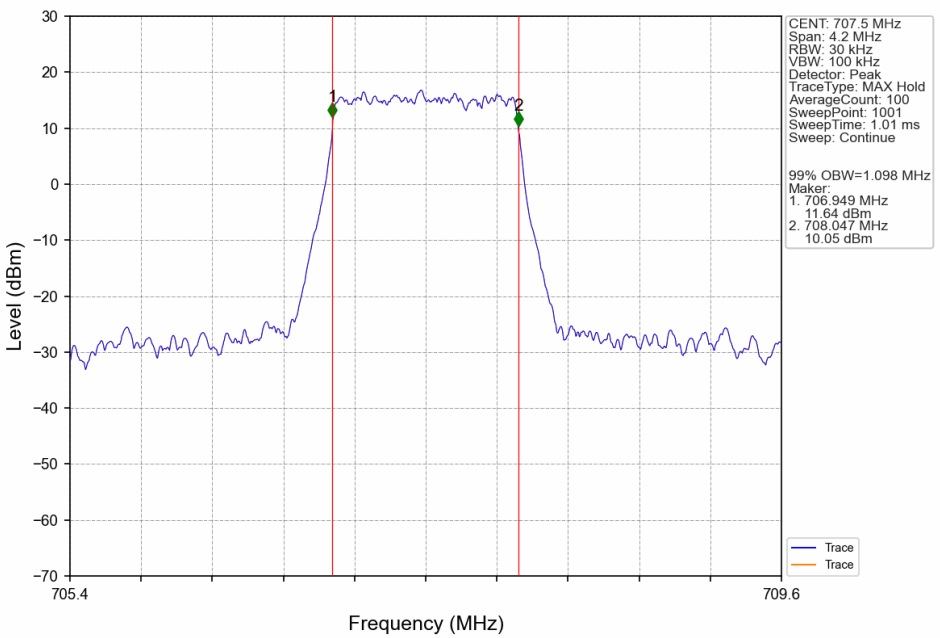
3.1.2 Band12_XDB

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	1.304	/	Pass
	16QAM	707.5	6	0	1.290	/	Pass
3	QPSK	707.5	15	0	3.035	/	Pass
	16QAM	707.5	15	0	3.034	/	Pass
5	QPSK	707.5	25	0	4.955	/	Pass
	16QAM	707.5	25	0	4.964	/	Pass
10	QPSK	707.5	50	0	9.720	/	Pass
	16QAM	707.5	50	0	9.798	/	Pass

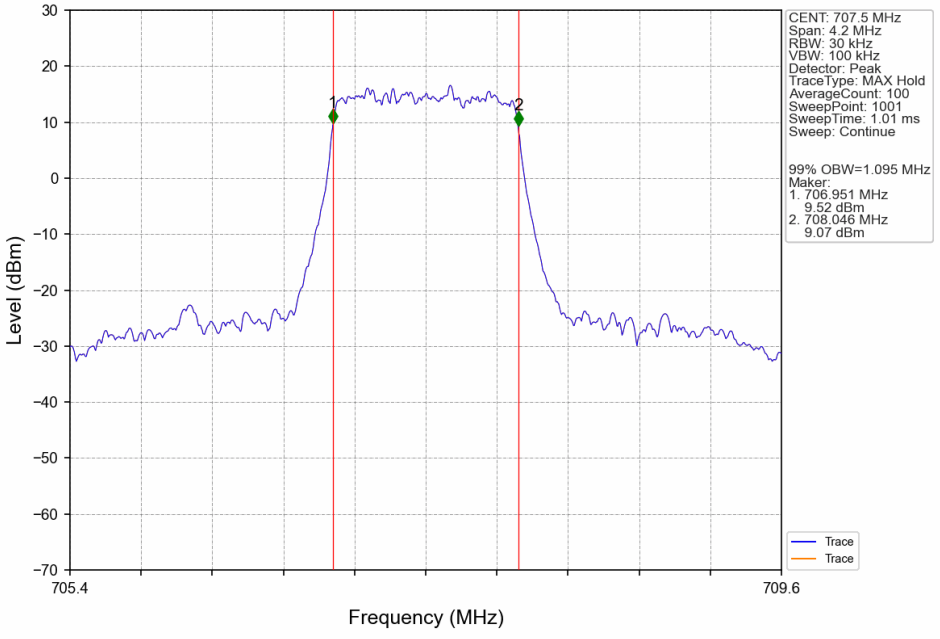
3.2 Test Graph

3.2.1 Band12_OBW

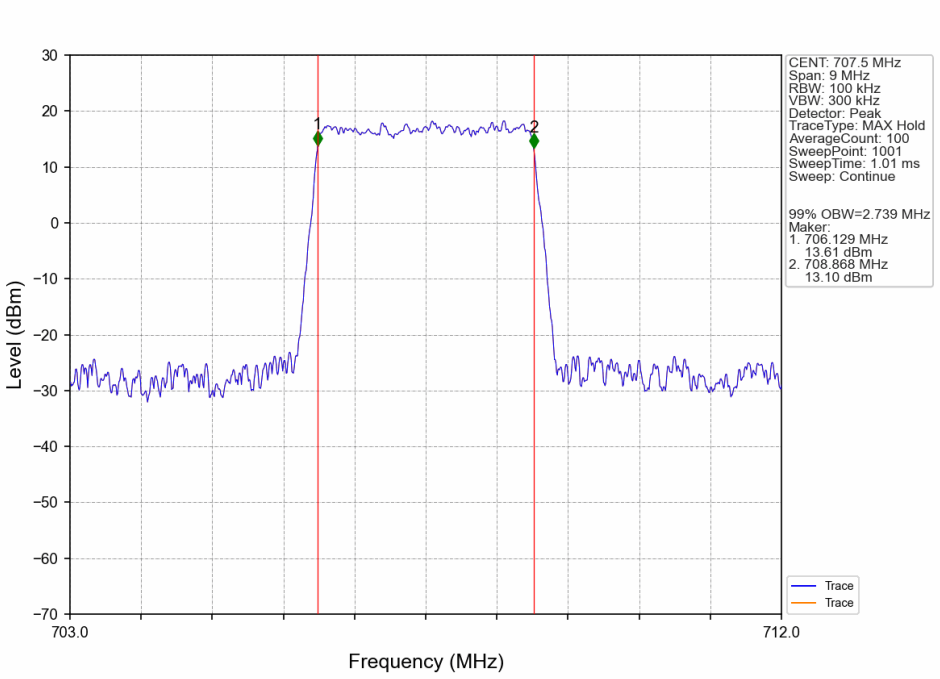
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



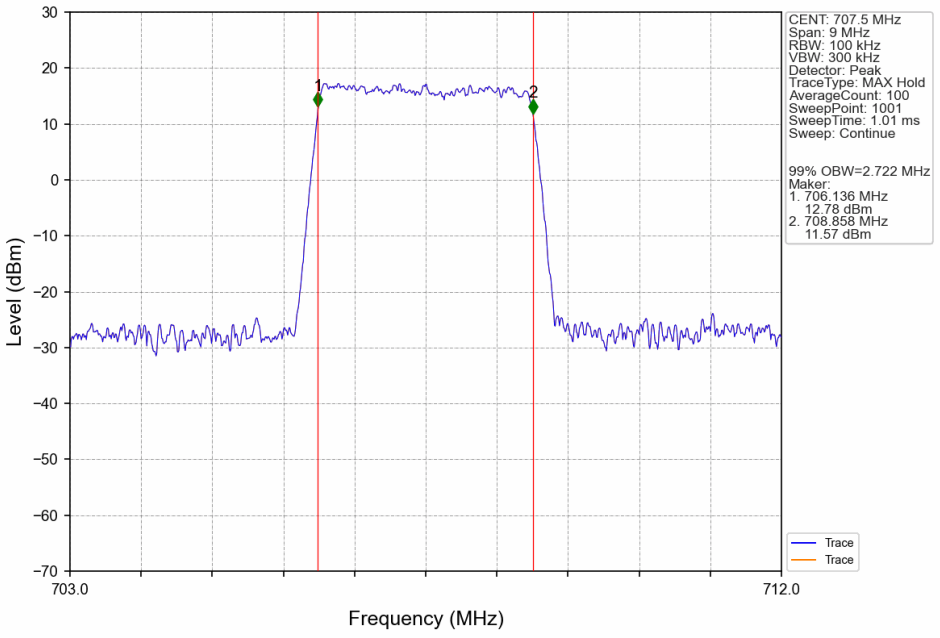
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



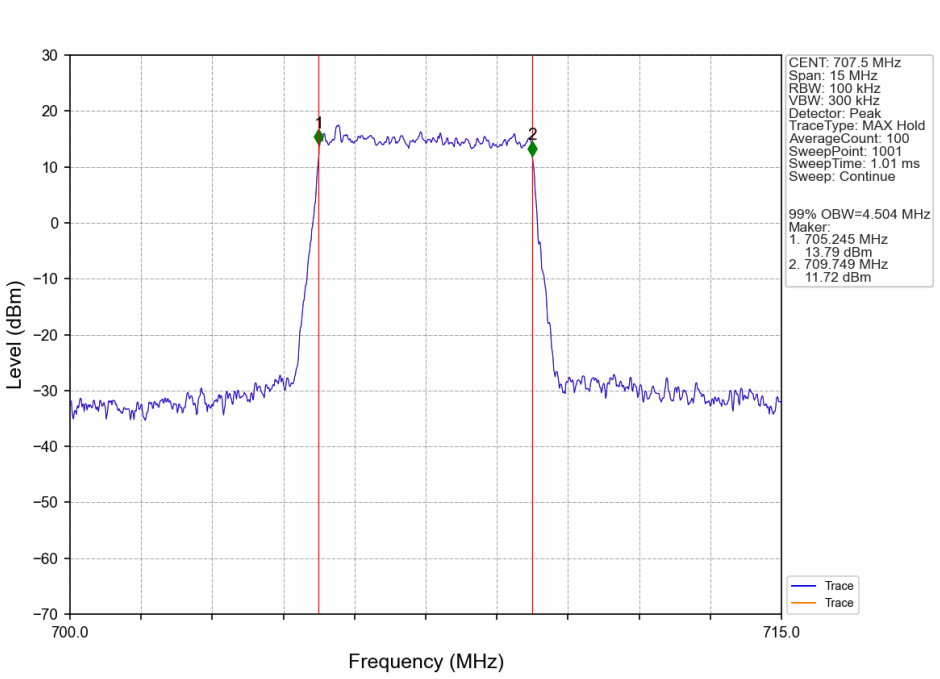
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



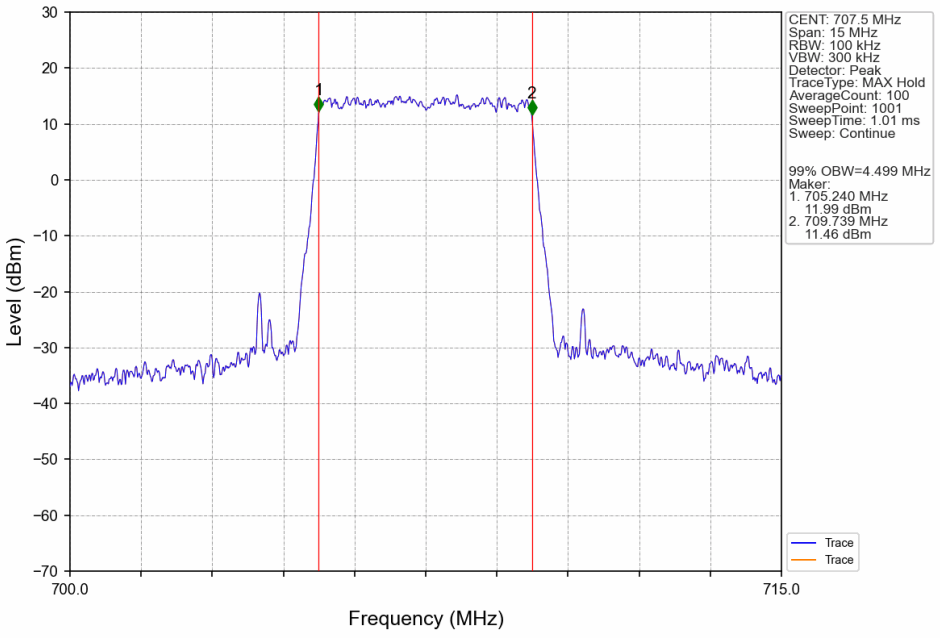
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



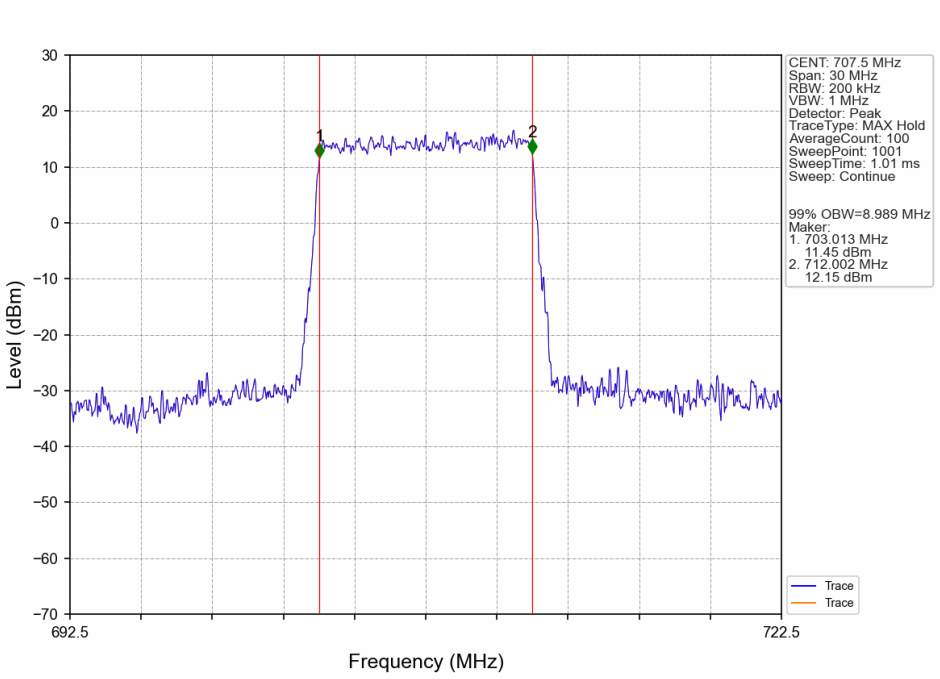
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



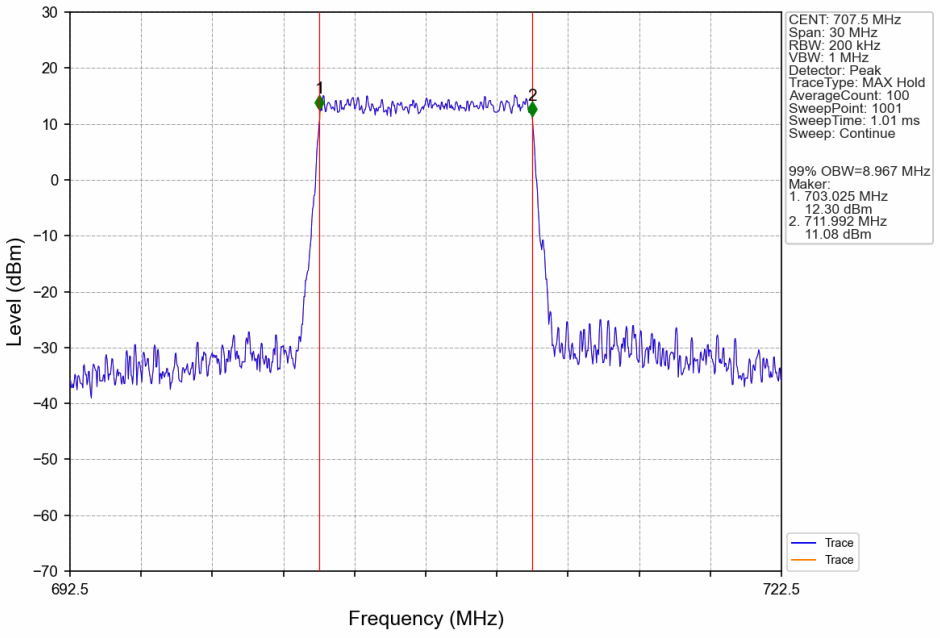
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



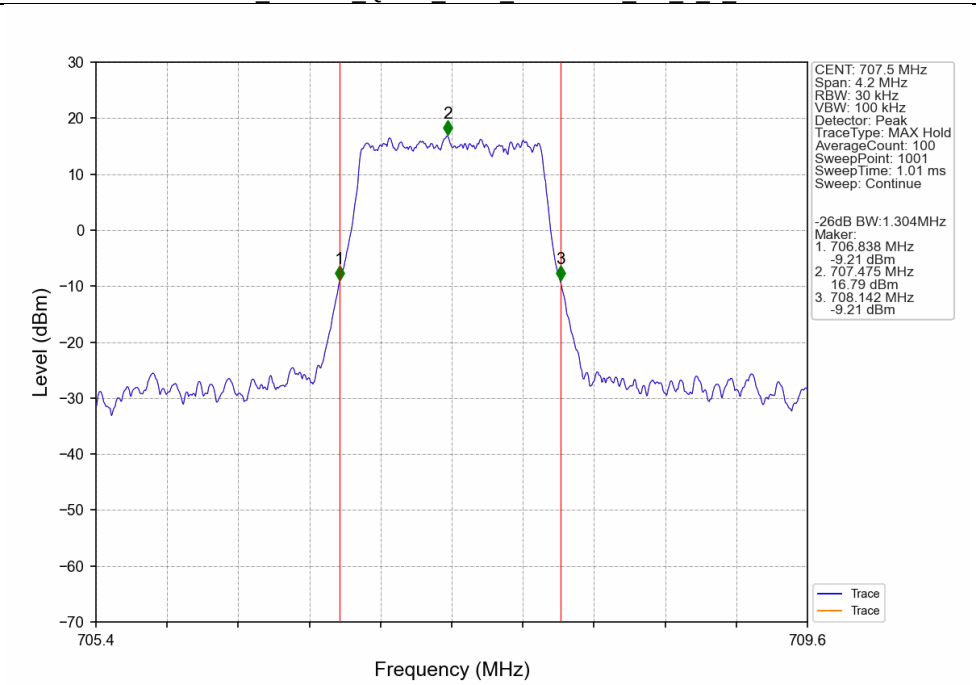
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

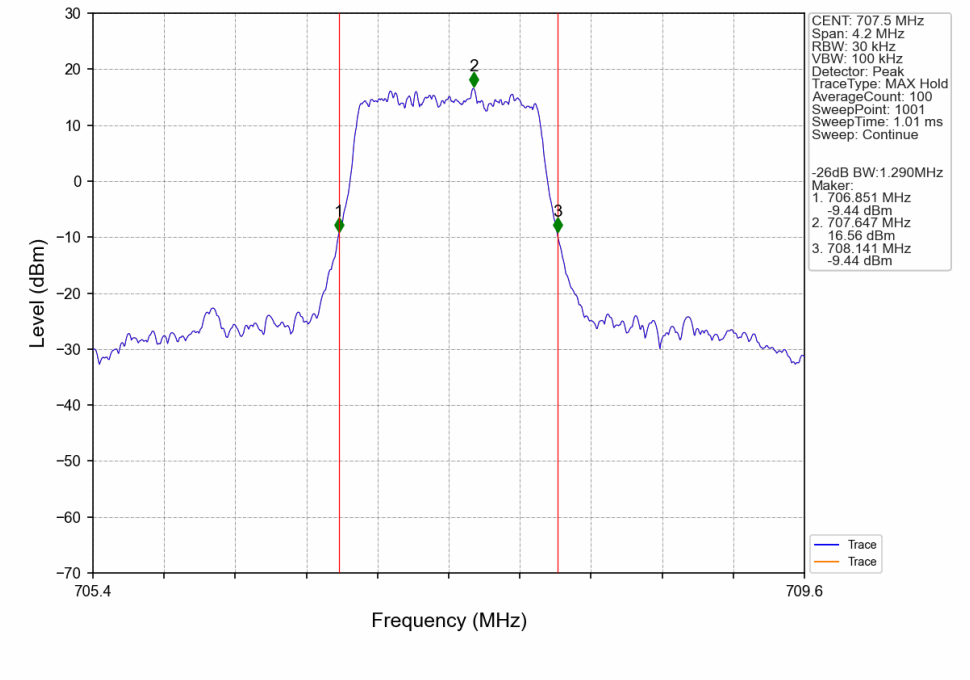


Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

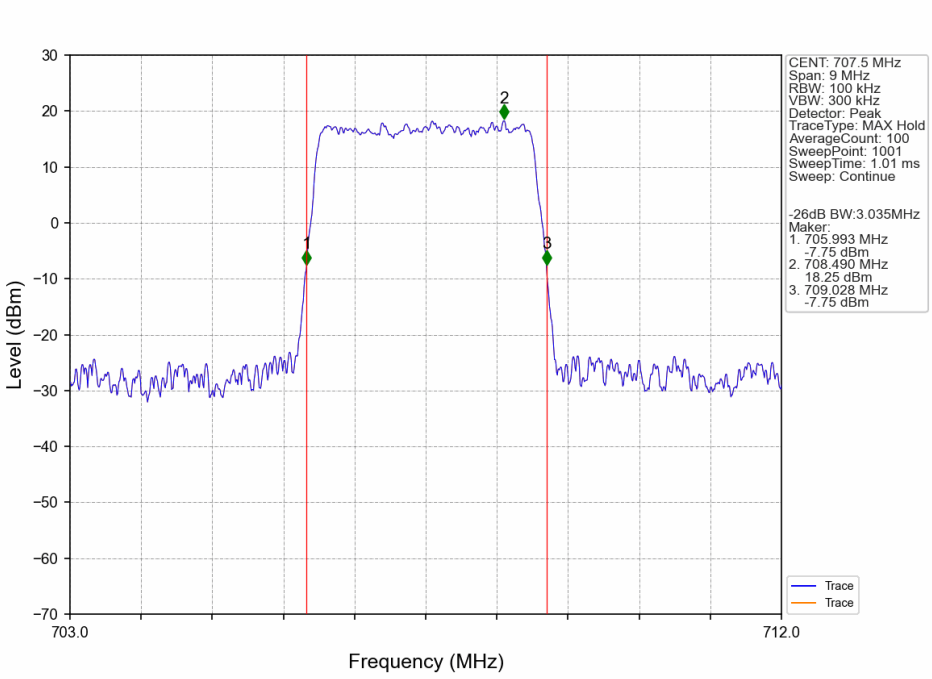


3.2.2 Band12_XDB

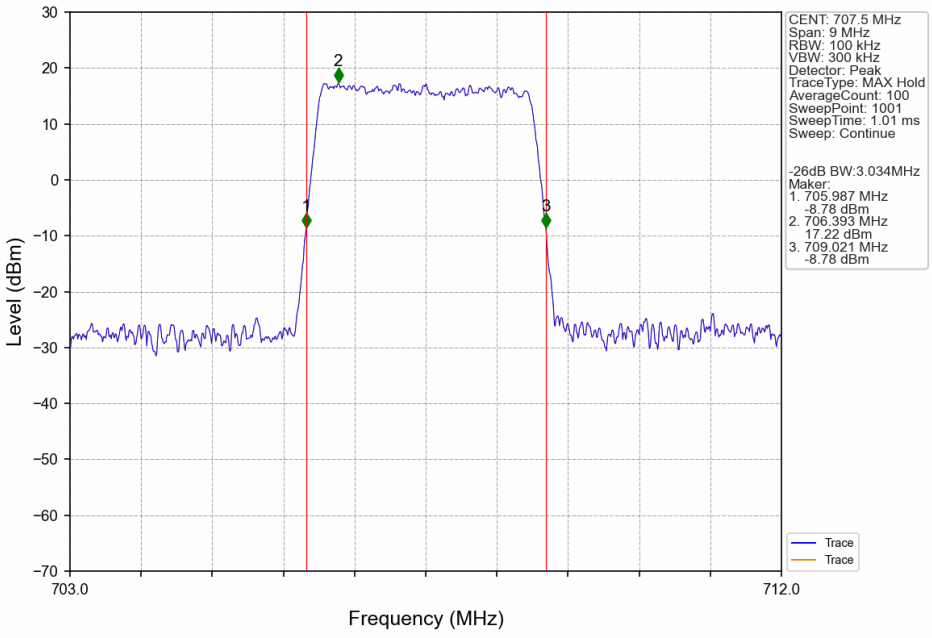
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


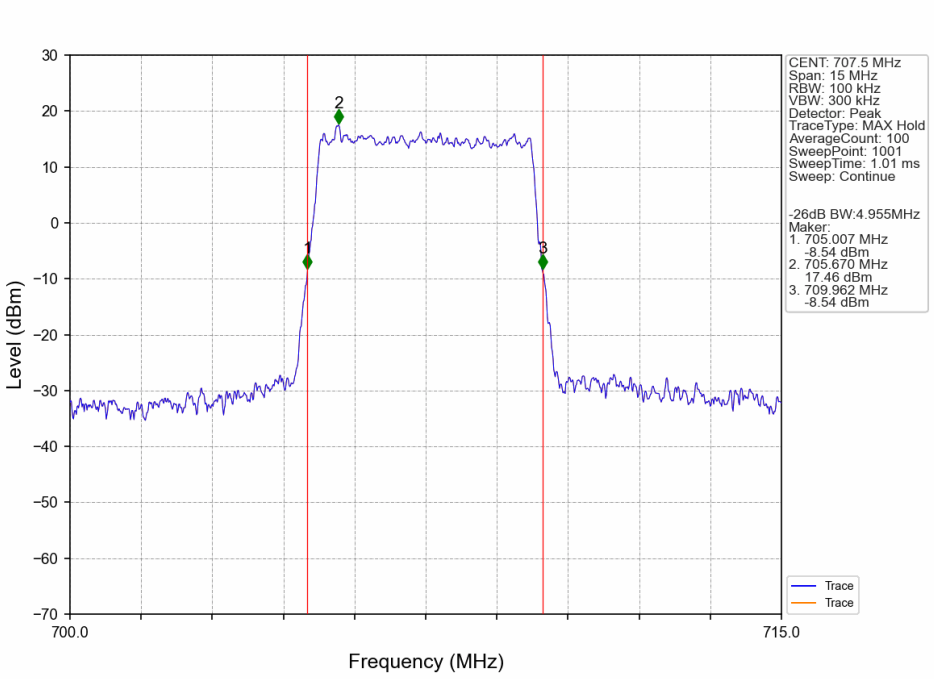
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



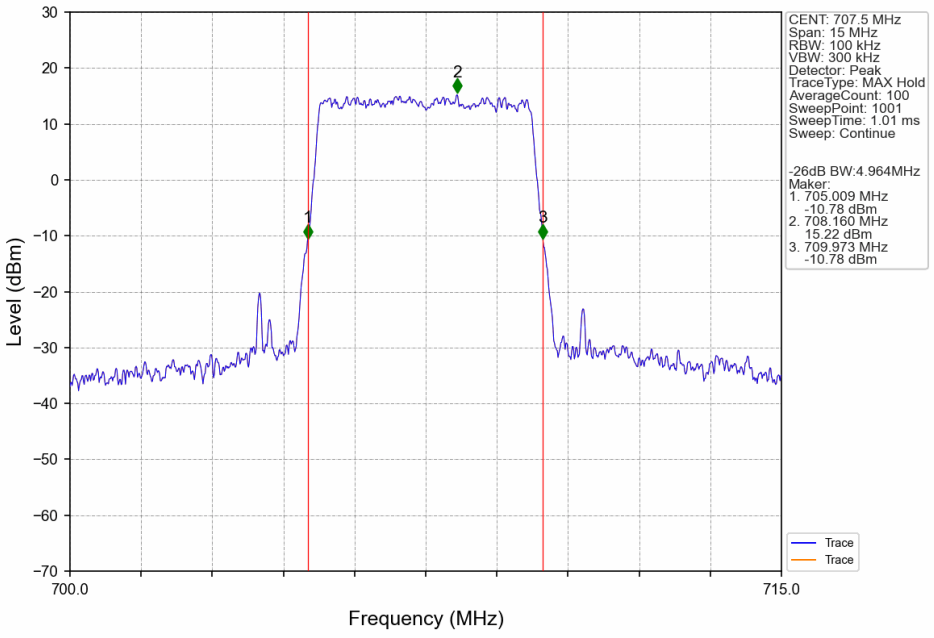
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



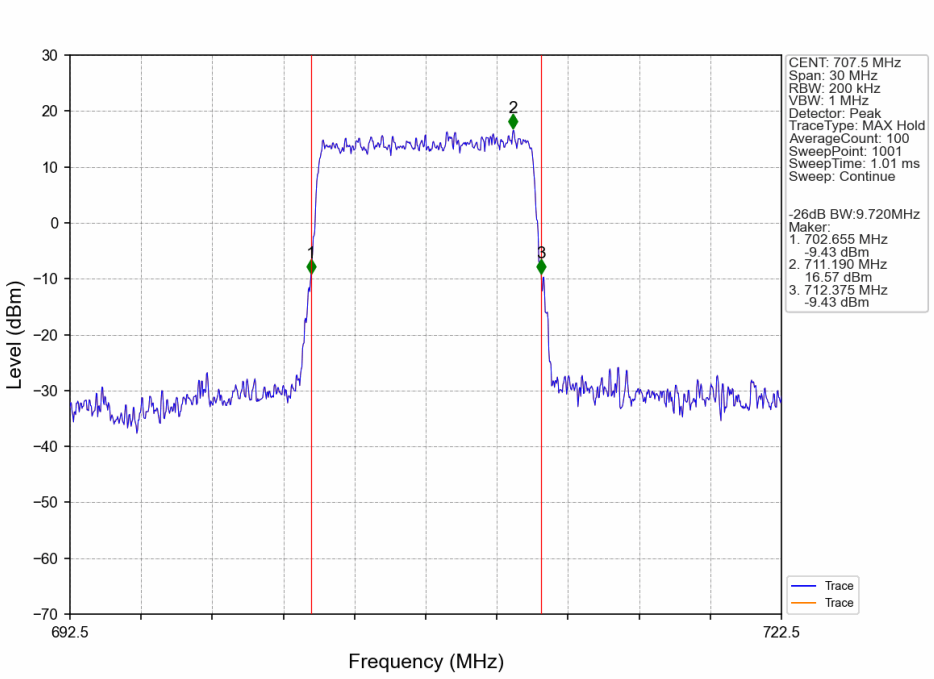
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



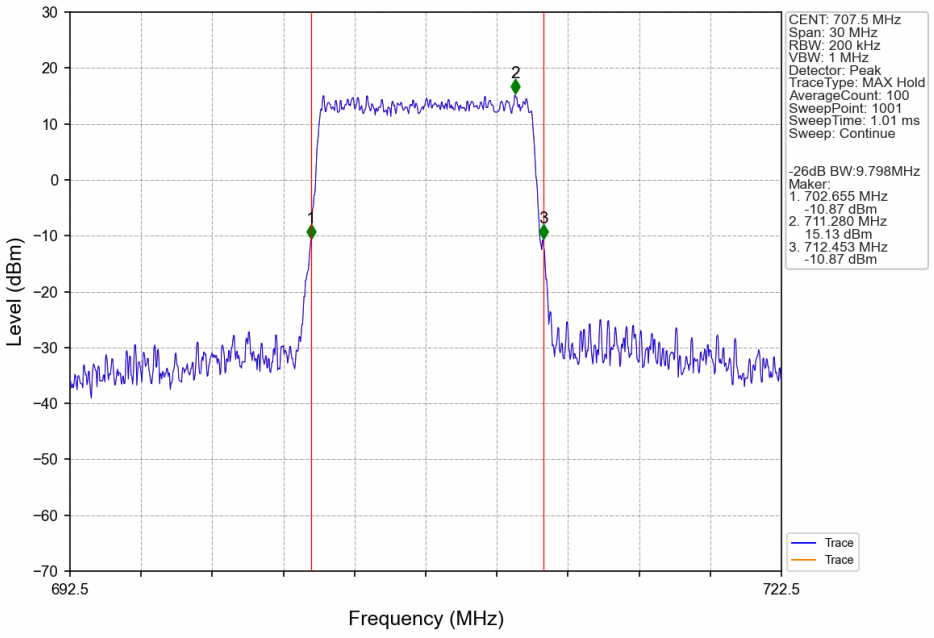
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



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

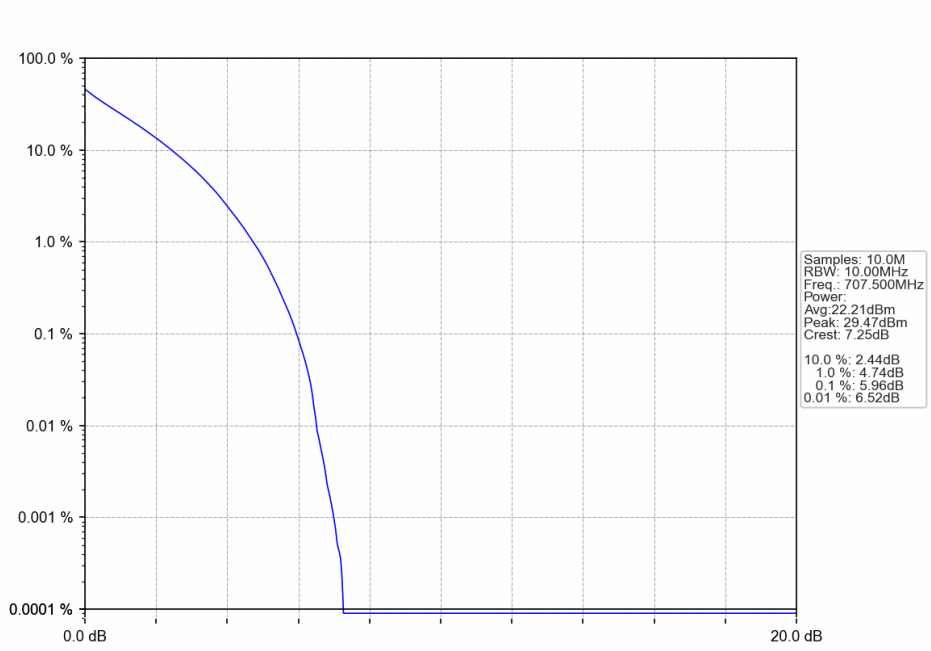
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.96	<=13	Pass
16QAM	707.5	50	0	6.50	<=13	Pass
64QAM	707.5	50	0	6.78	<=13	Pass
256QAM	707.5	50	0	6.62	<=13	Pass

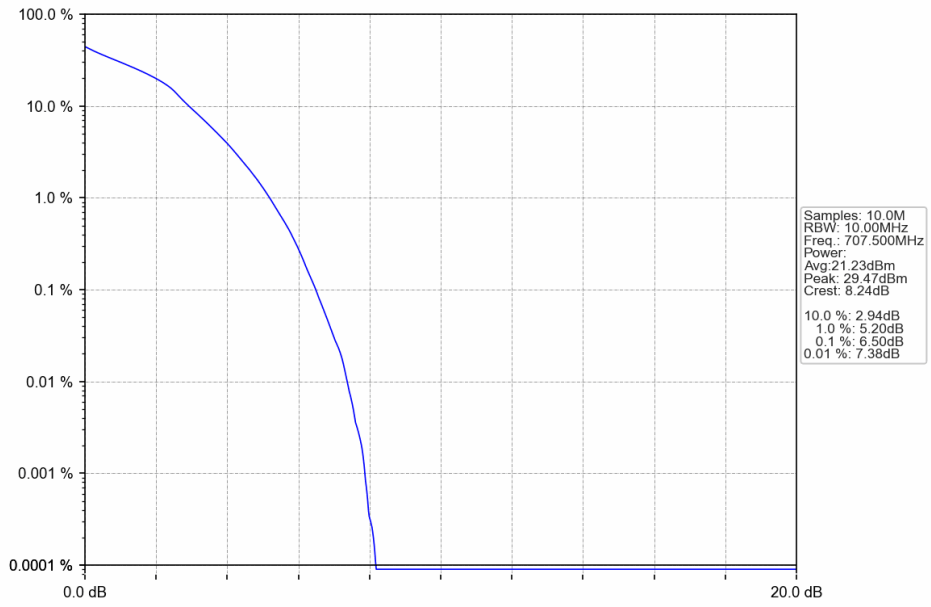
4.2 Test Graph

4.2.1 B12_10MHz

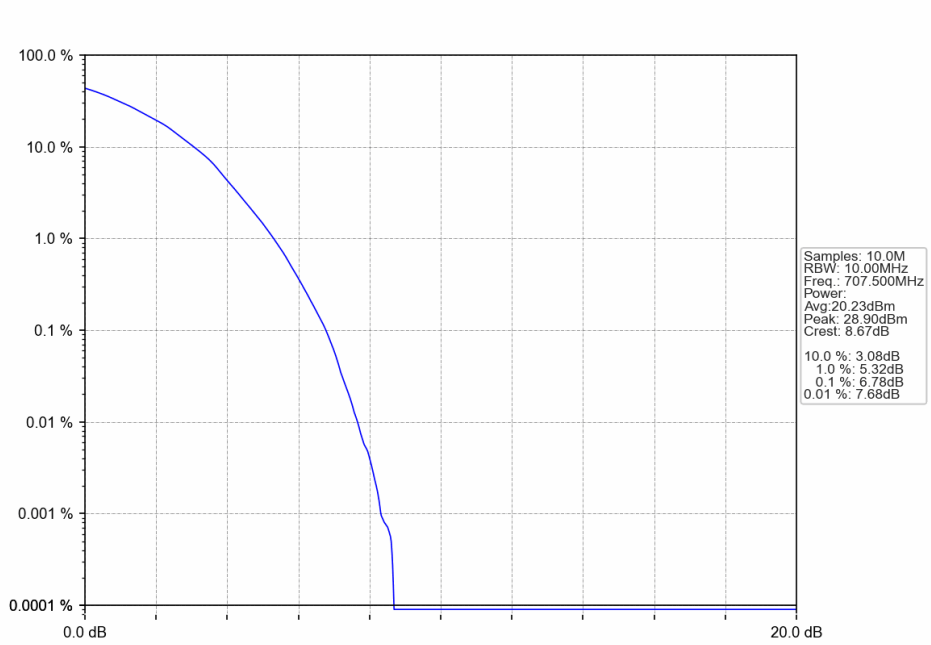
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



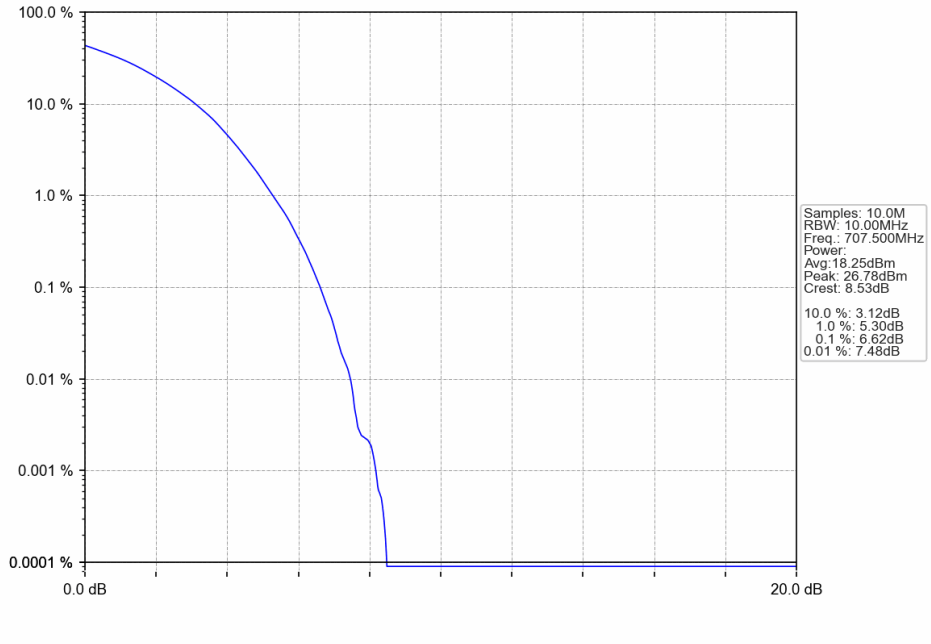
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



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

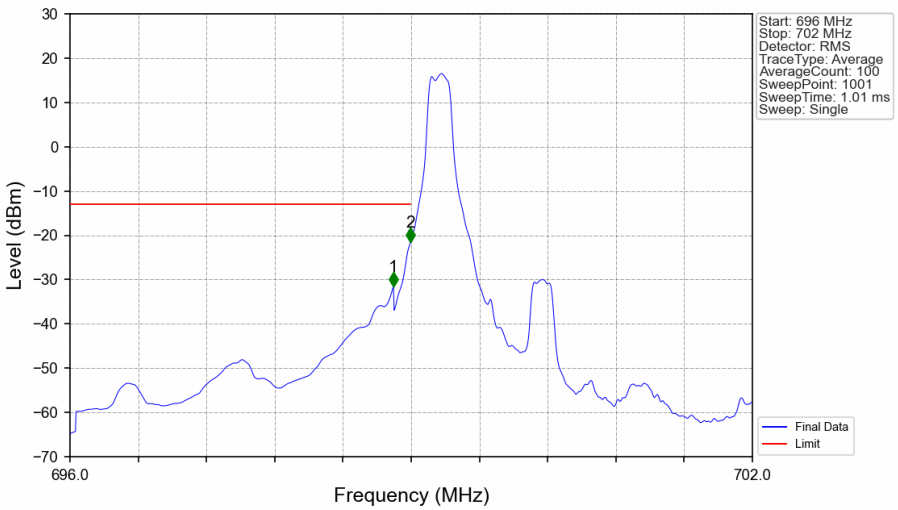
5.1.4 B12_10MHz

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

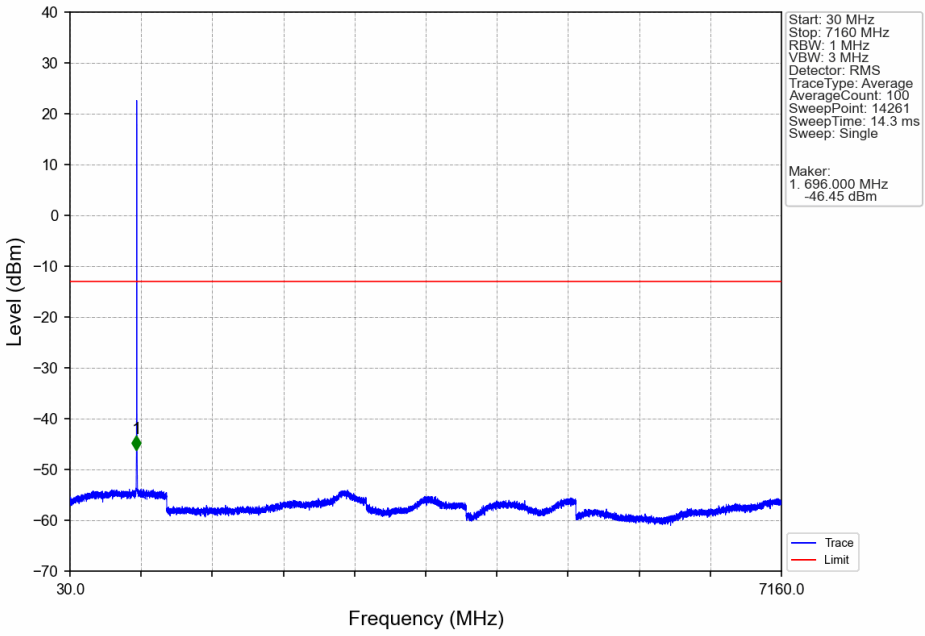
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

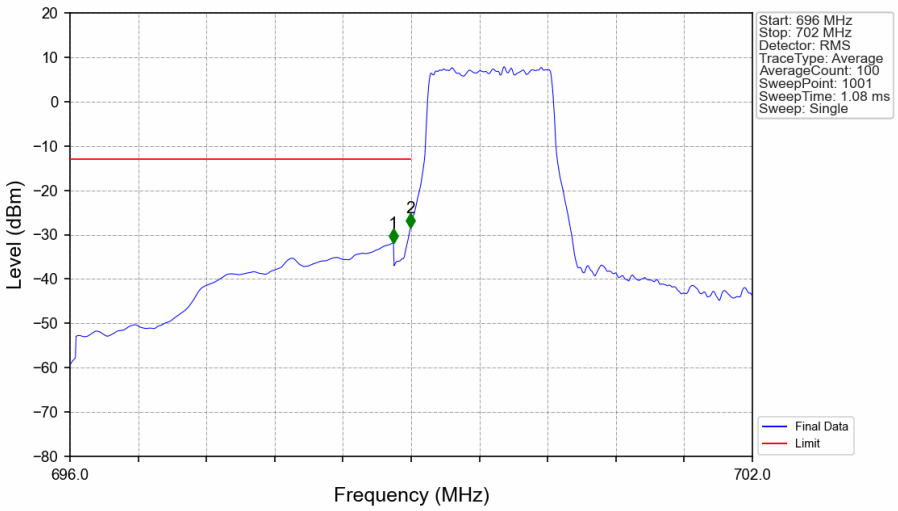


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.44	-13	Pass
698.9	699	0.03	/	2	698.994	-21.50	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

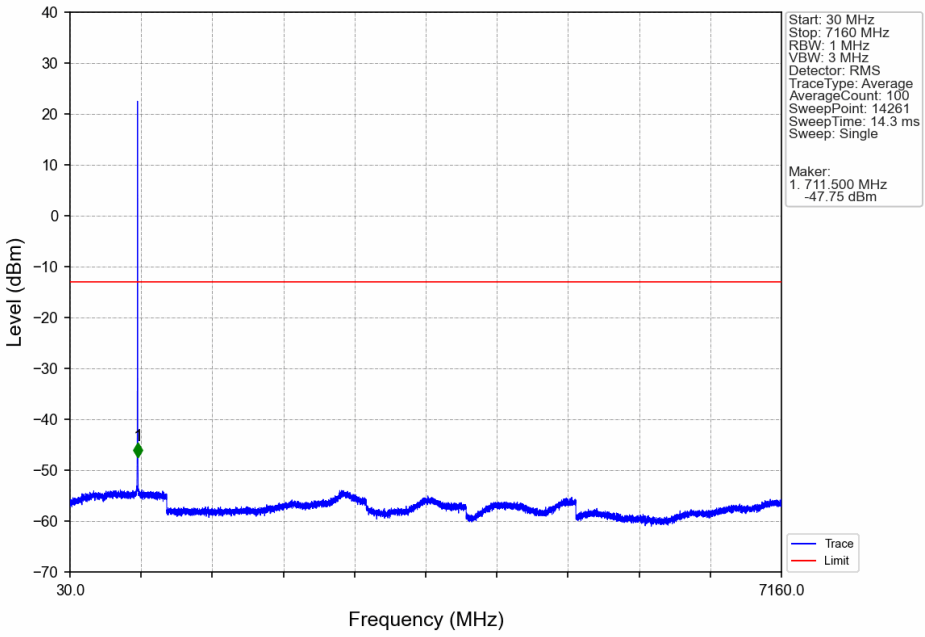


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

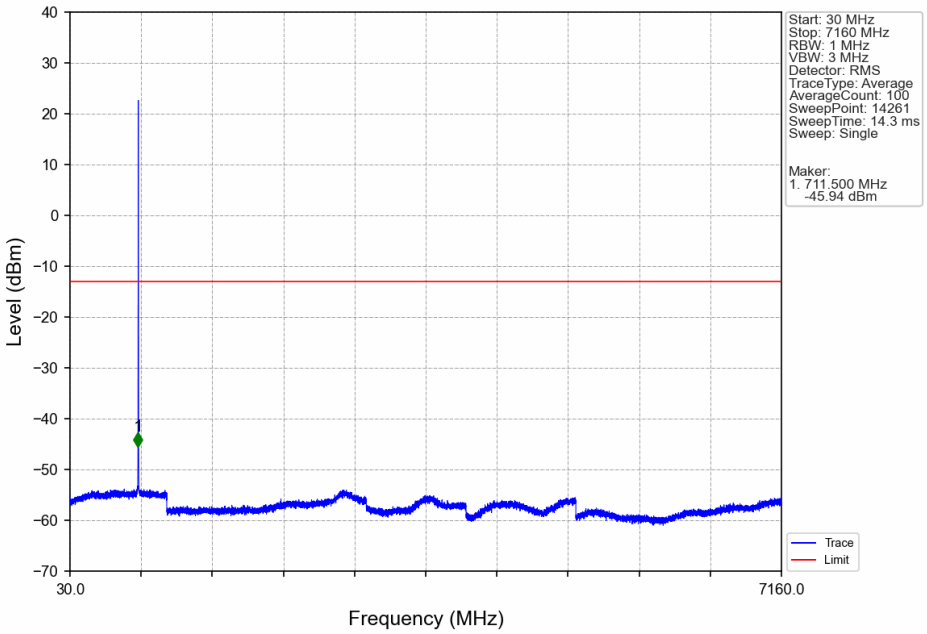


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.83	-13	Pass
698.9	699	0.03	/	2	698.994	-28.36	-13	Pass
699	702	0.03	/	/	/	/	/	/

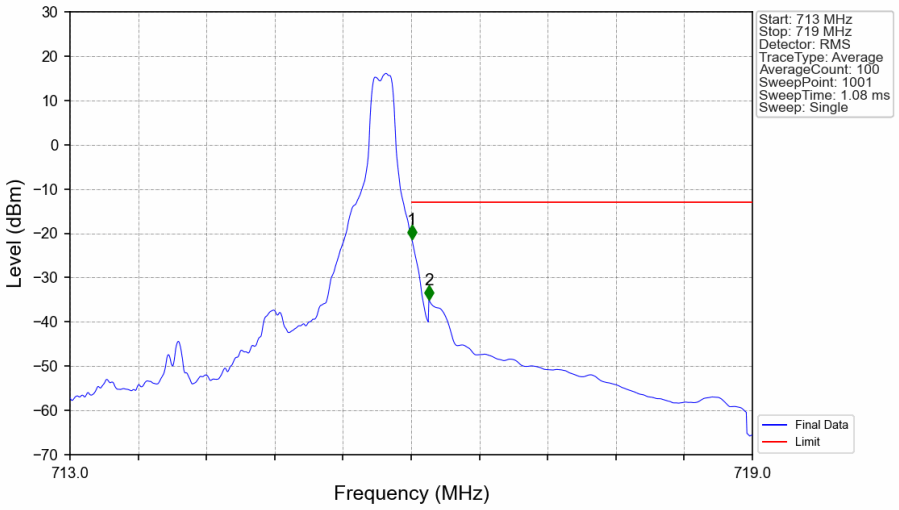
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

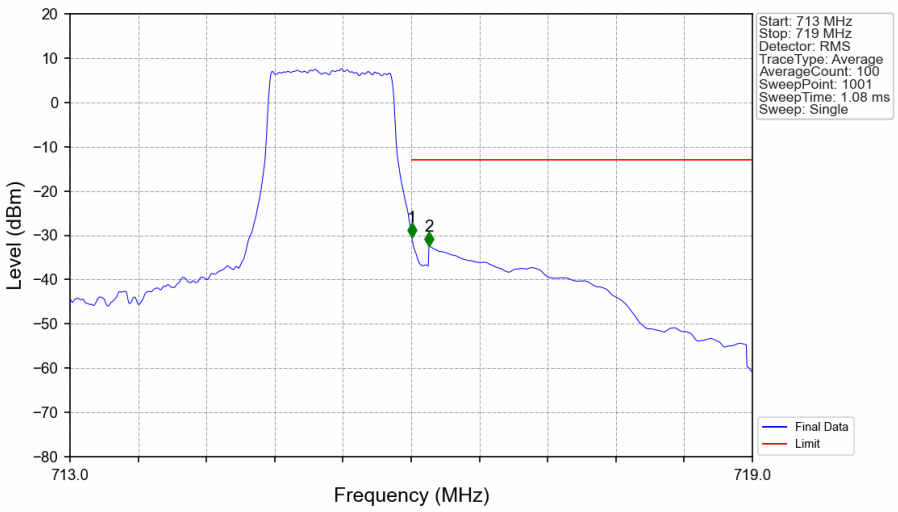


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	-21.39	-13	Pass
716.1	719	0.1	CHP	2	716.156	-34.94	-13	Pass

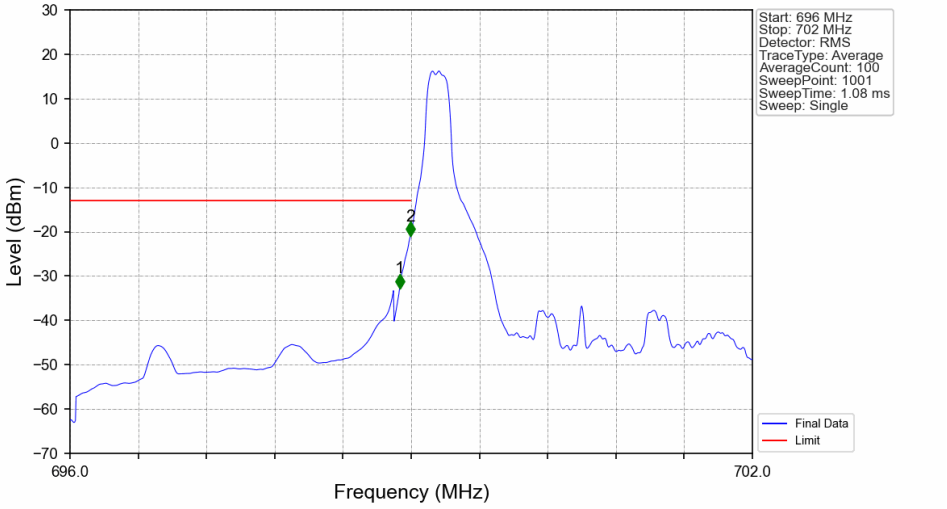
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	-30.33	-13	Pass
716.1	719	0.1	CHP	2	716.156	-32.37	-13	Pass

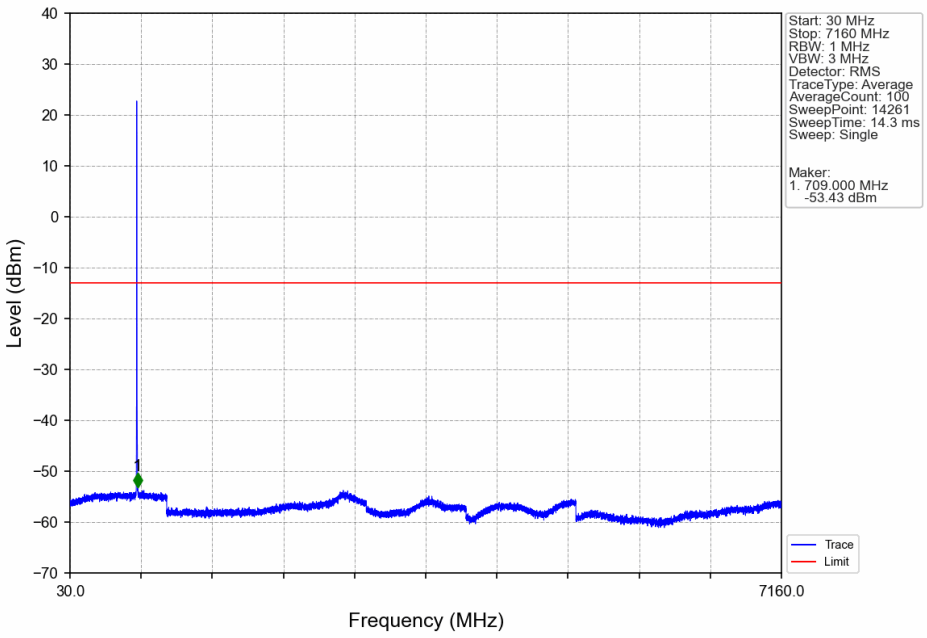
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

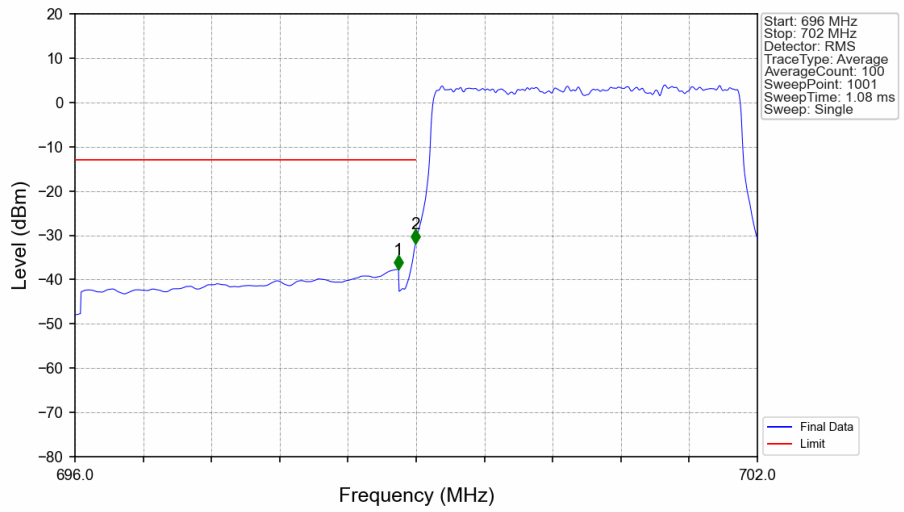


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.898	-32.69	-13	Pass
698.9	699	0.03	/	2	698.994	-20.96	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

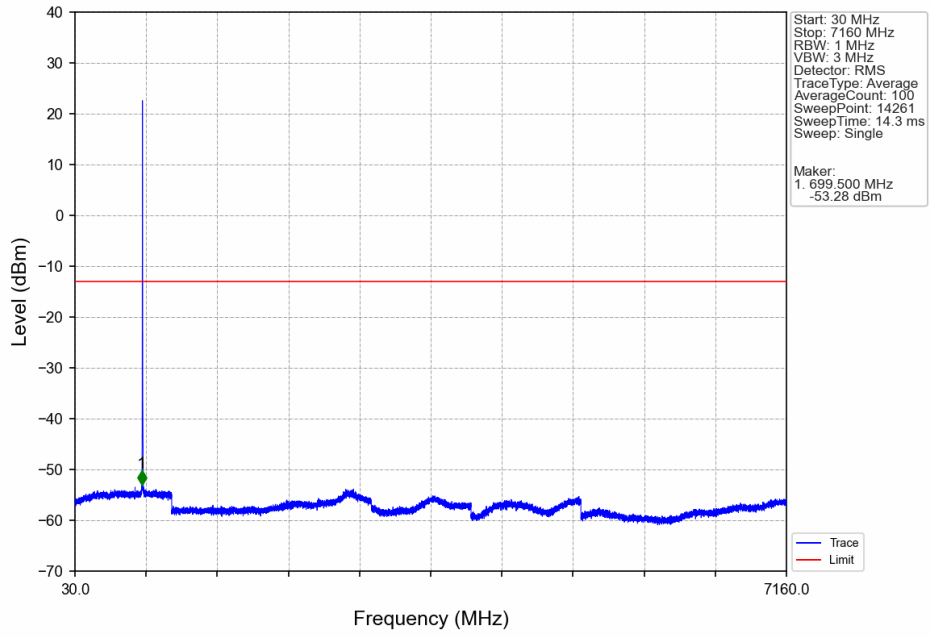


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

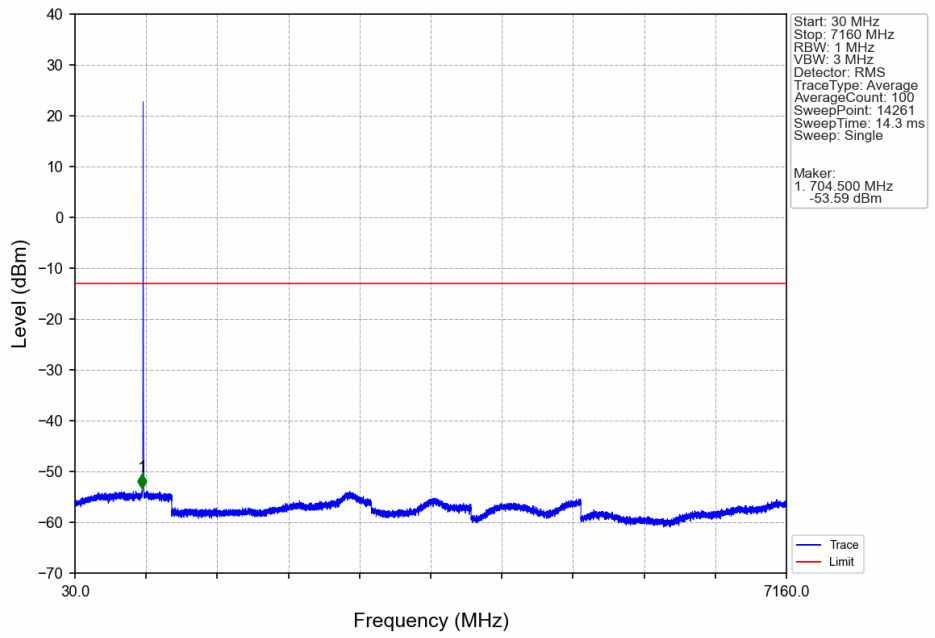


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-37.64	-13	Pass
698.9	699	0.03	/	2	698.994	-31.92	-13	Pass
699	702	0.03	/	/	/	/	/	/

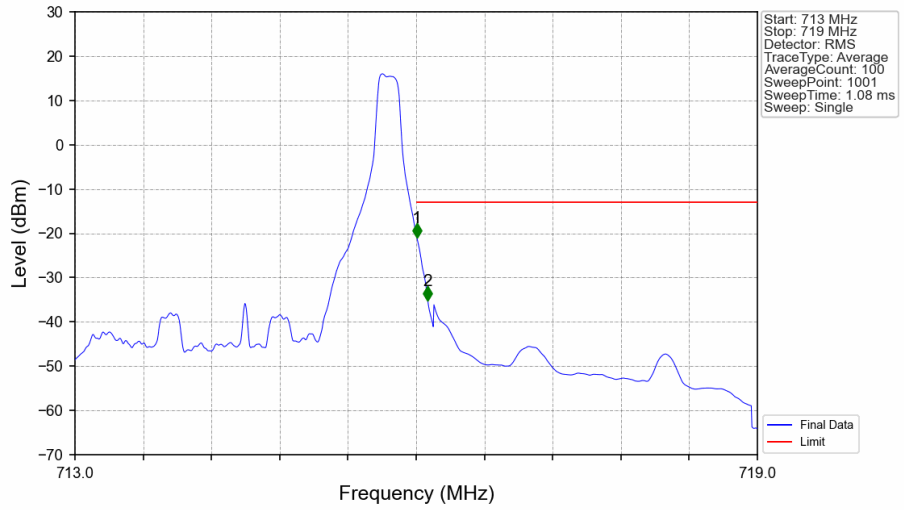
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

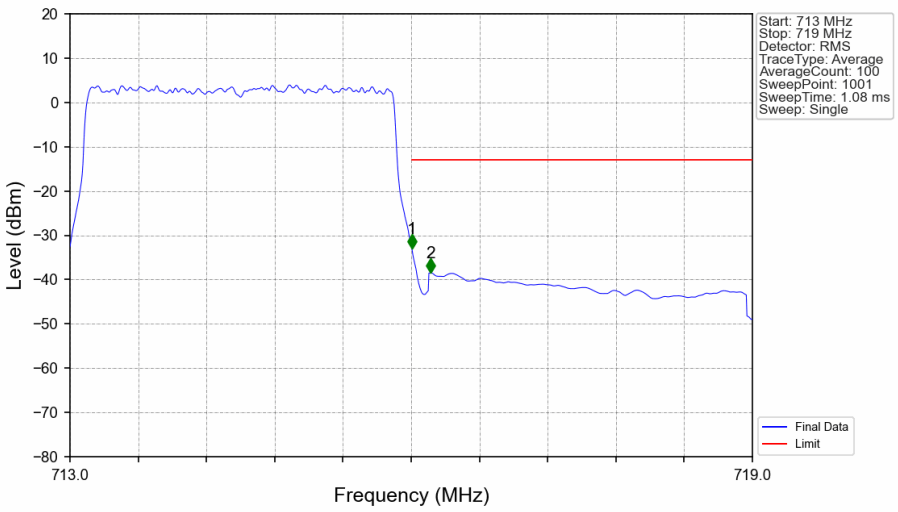


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	-20.91	-13	Pass
716.1	719	0.1	CHP	2	716.102	-35.23	-13	Pass

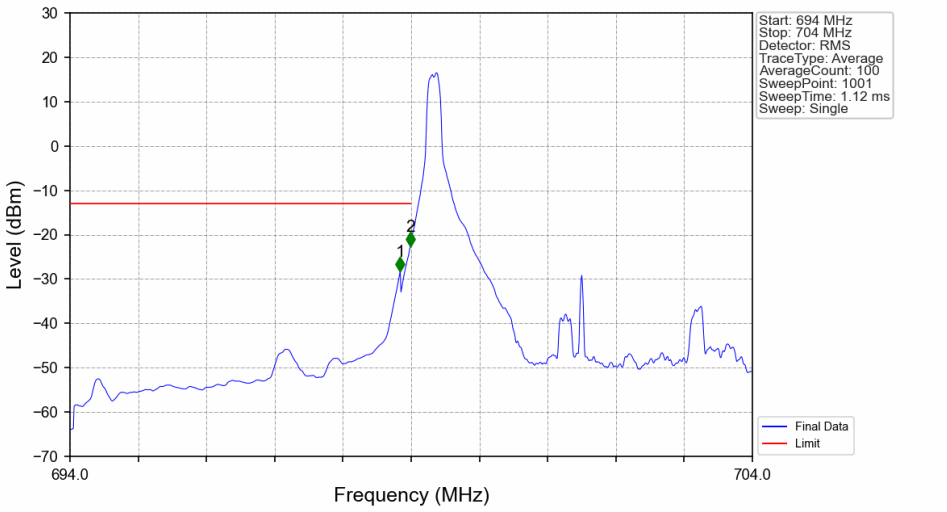
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	-32.97	-13	Pass
716.1	719	0.1	CHP	2	716.168	-38.50	-13	Pass

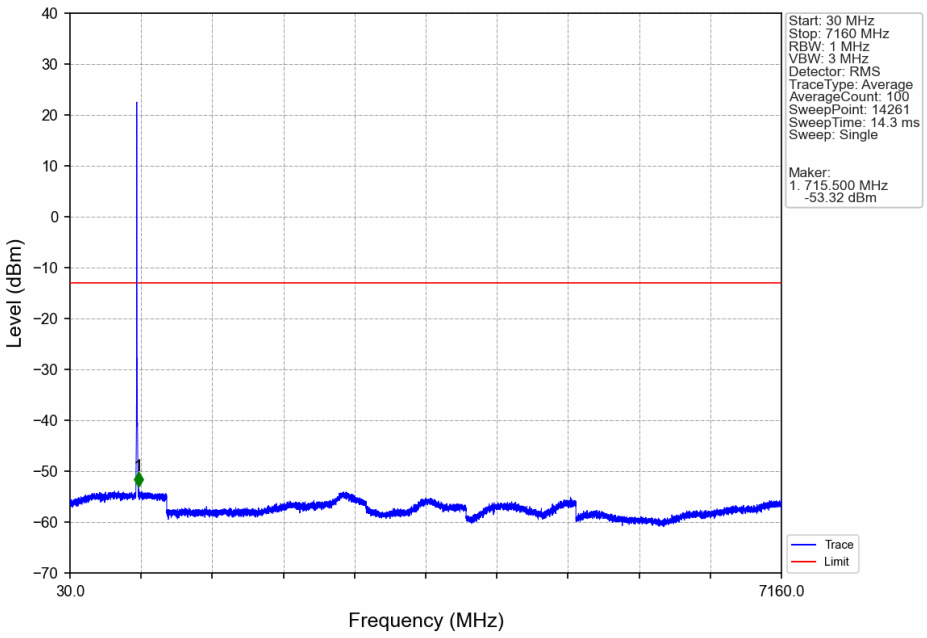
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

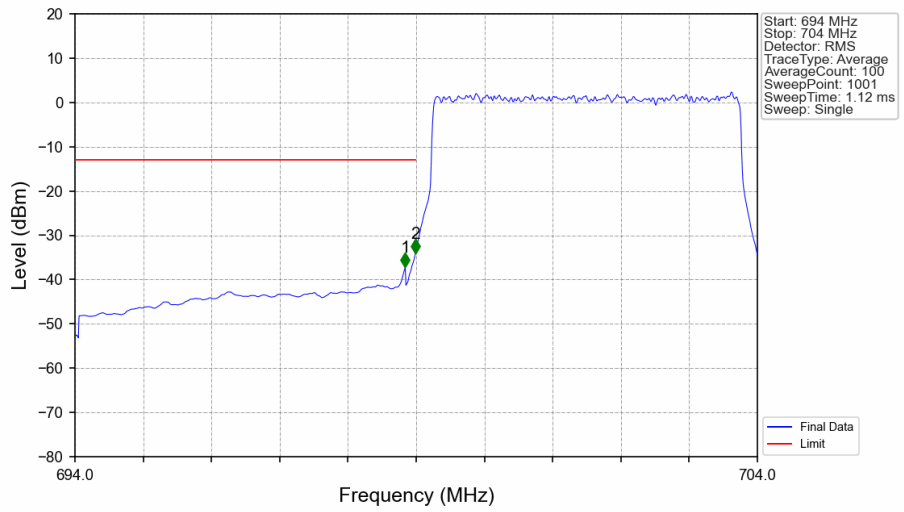


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-28.16	-13	Pass
698.9	699	0.03	/	2	698.990	-22.50	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

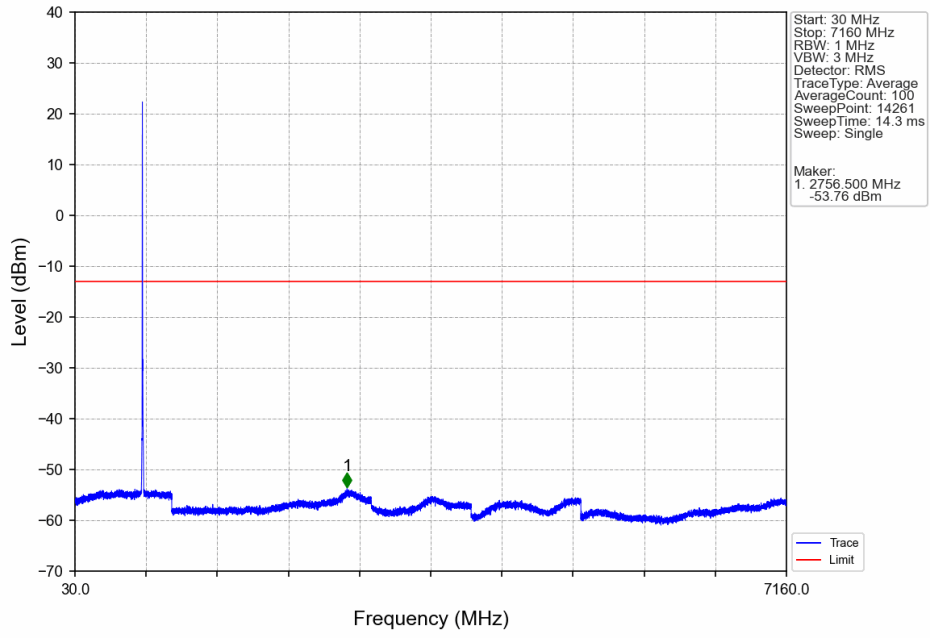


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

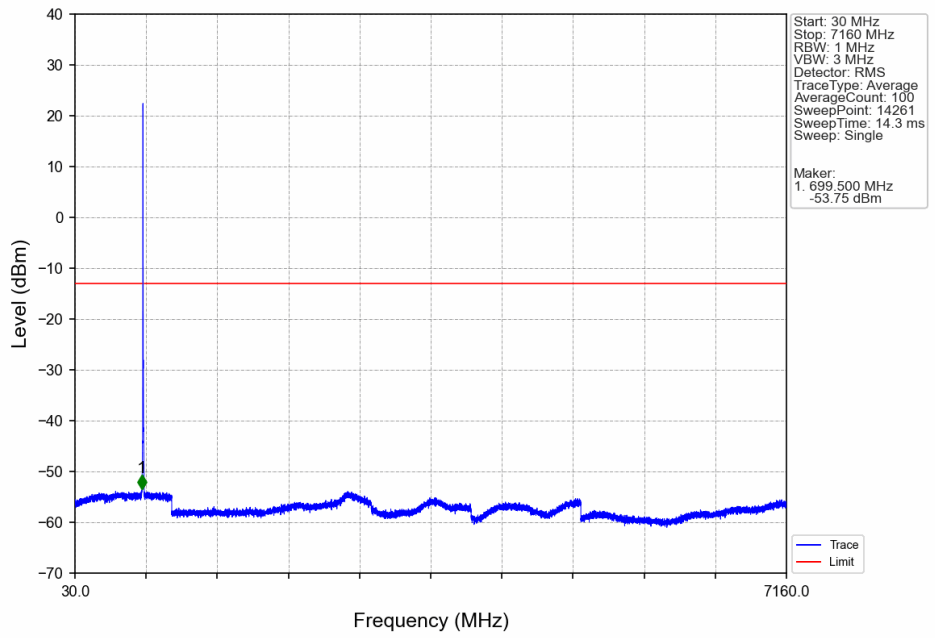


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-37.19	-13	Pass
698.9	699	0.03	/	2	698.990	-34.10	-13	Pass
699	704	0.03	/	/	/	/	/	/

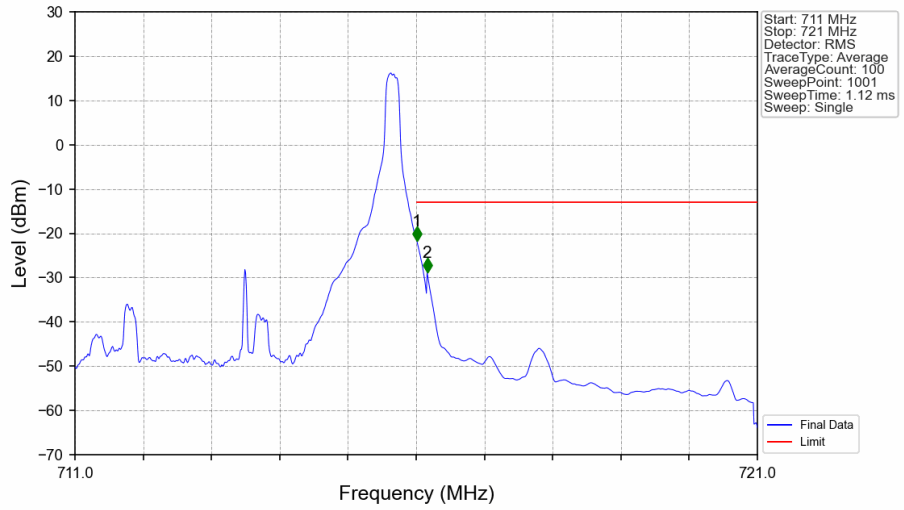
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

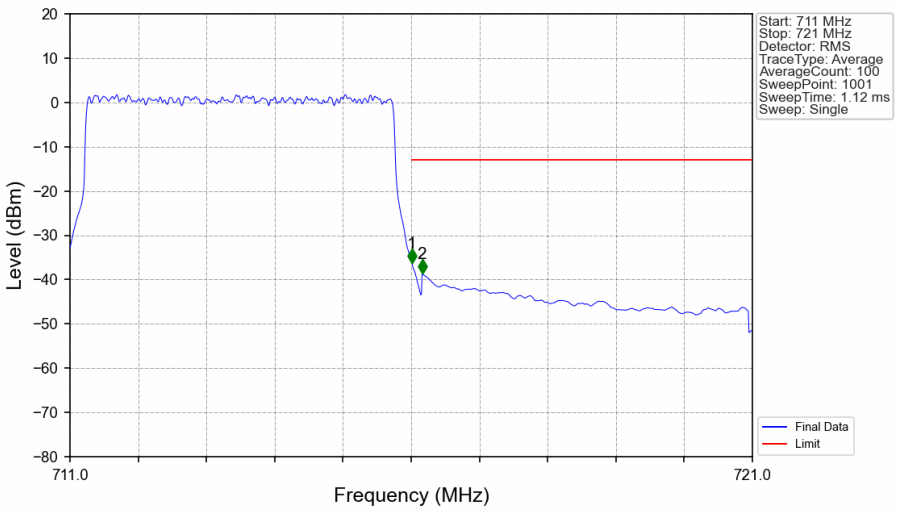


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-21.72	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.81	-13	Pass

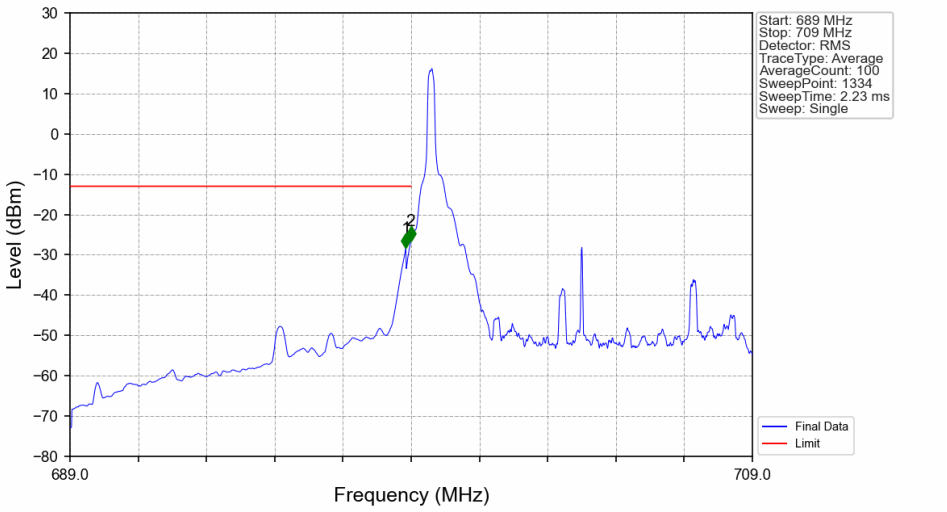
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	-36.31	-13	Pass
716.1	721	0.1	CHP	2	716.160	-38.60	-13	Pass

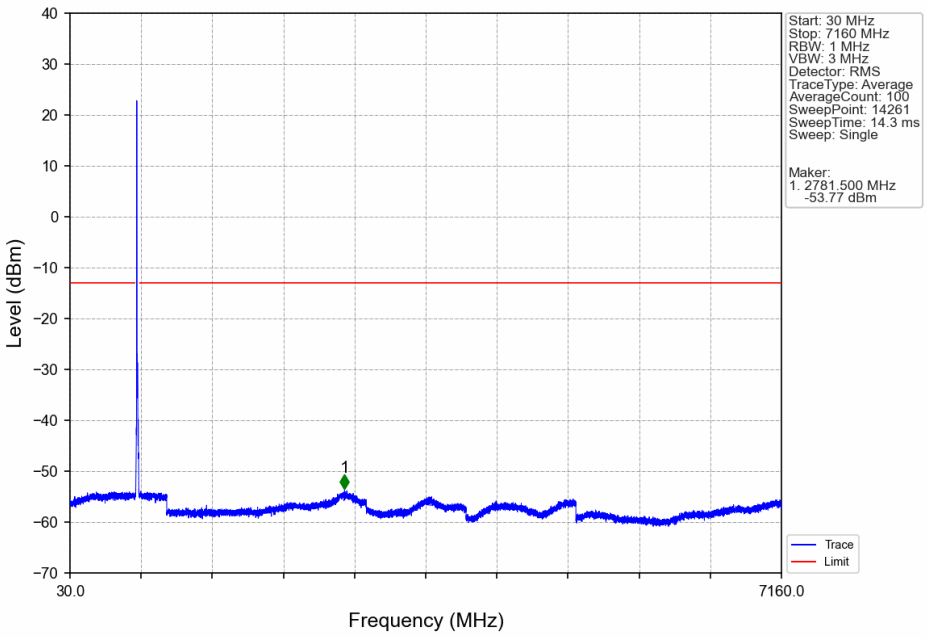
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

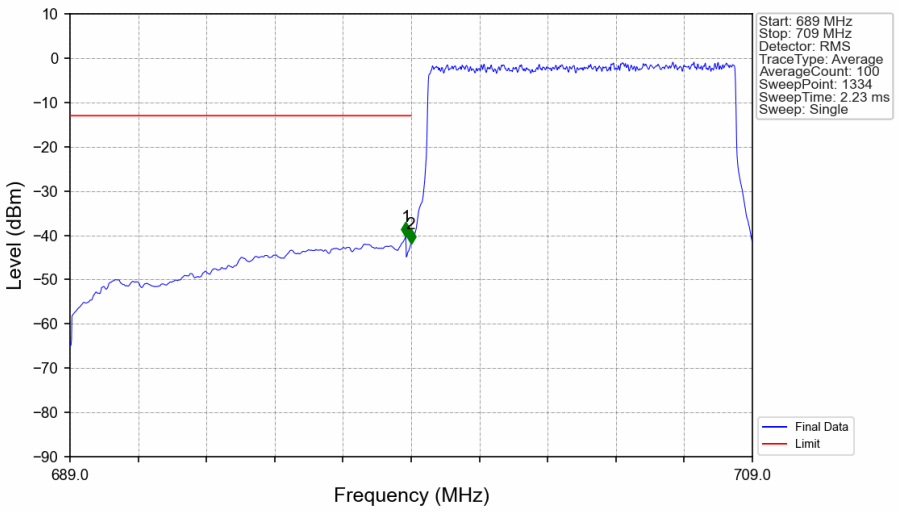


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-28.34	-13	Pass
698.9	699	0.03	/	2	698.992	-26.43	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

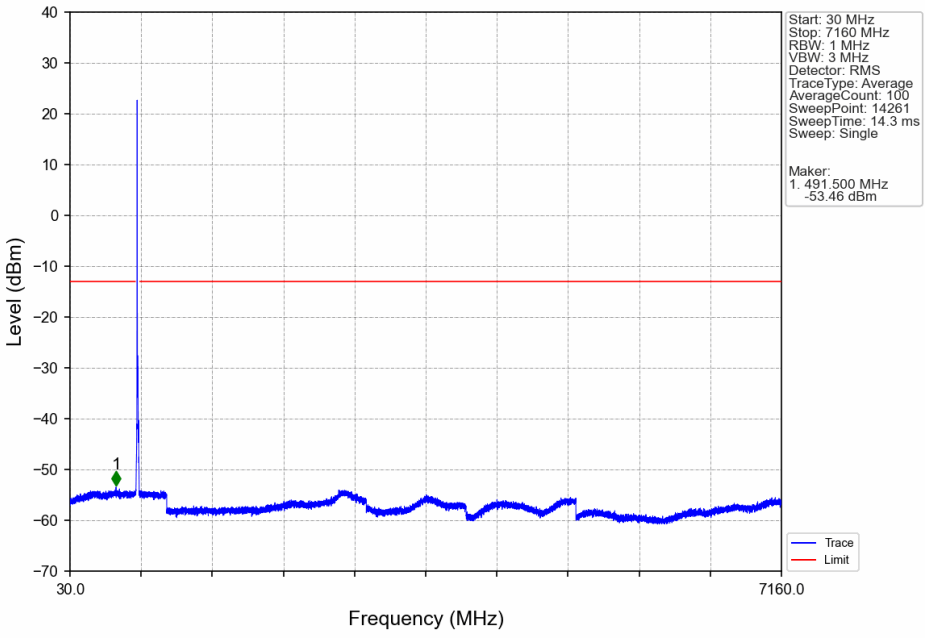


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

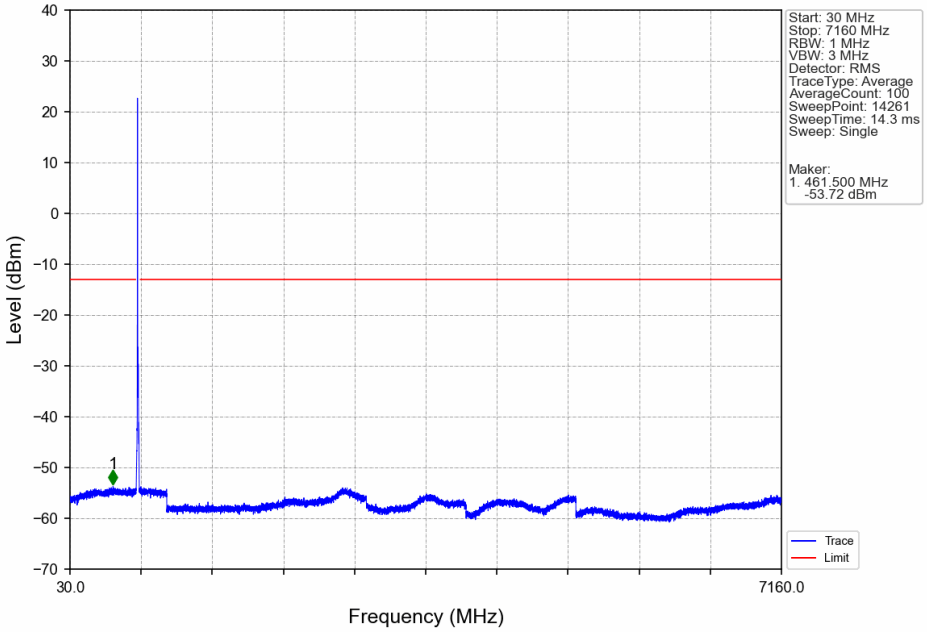


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-40.18	-13	Pass
698.9	699	0.03	/	2	698.992	-41.87	-13	Pass
699	709	0.03	/	/	/	/	/	/

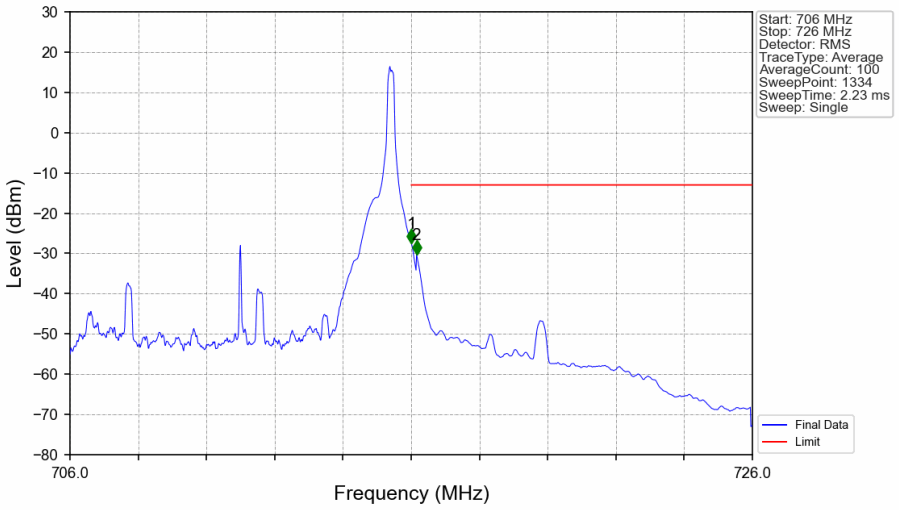
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

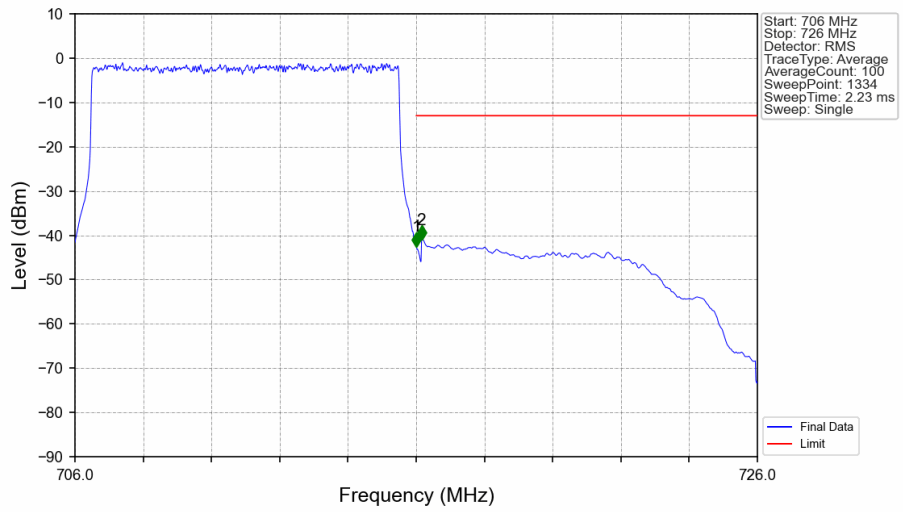


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-27.46	-13	Pass
716.1	726	0.1	CHP	2	716.158	-30.17	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-42.50	-13	Pass
716.1	726	0.1	CHP	2	716.158	-40.88	-13	Pass

6. Field Strength of Spurious Radiation

For Sample 1

Test Band = LTE Band12_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1592	44.88	-48.28	25.39	-73.27	-13.00	60.27	Horizontal
2	2268	44.26	-47.56	26.74	-71.82	-13.00	58.82	Horizontal
3	2455.4286	47.27	-47.35	27.11	-68.23	-13.00	55.23	Horizontal
4	3496.5714	43.58	-46.54	28.60	-69.62	-13.00	56.62	Horizontal
5	4117.1429	43.33	-45.91	29.68	-68.16	-13.00	55.16	Horizontal
6	5390.2857	42.49	-45.00	32.10	-65.67	-13.00	52.67	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1398.8571	49.29	-48.00	25.20	-68.77	-13.00	55.77	Vertical
2	1829.7143	45.11	-47.98	25.69	-72.44	-13.00	59.44	Vertical
3	2373.7143	44.84	-47.46	26.95	-70.94	-13.00	57.94	Vertical
4	2932.5714	44.05	-46.55	27.98	-69.79	-13.00	56.79	Vertical
5	4156	43.20	-45.93	29.77	-68.22	-13.00	55.22	Vertical
6	5435.4286	42.59	-45.03	32.18	-65.52	-13.00	52.52	Vertical

Test Band = LTE Band12_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1443.4286	45.34	-48.14	25.24	-72.82	-13.00	59.82	Horizontal
2	1794.8571	44.98	-47.96	25.59	-72.65	-13.00	59.65	Horizontal
3	2100	44.65	-47.71	26.40	-71.92	-13.00	58.92	Horizontal
4	2474.2857	53.49	-47.32	27.15	-61.94	-13.00	48.94	Horizontal
5	3963.4286	43.35	-46.21	29.34	-68.78	-13.00	55.78	Horizontal
6	5154.8571	42.30	-45.17	31.68	-66.45	-13.00	53.45	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1589.1429	45.69	-48.28	25.39	-72.47	-13.00	59.47	Vertical
2	2086.8571	44.97	-47.73	26.37	-71.65	-13.00	58.65	Vertical
3	2406.8571	44.85	-47.44	27.01	-70.83	-13.00	57.83	Vertical
4	2993.7143	44.04	-46.52	28.09	-69.65	-13.00	56.65	Vertical
5	3669.7143	43.76	-46.21	28.87	-68.84	-13.00	55.84	Vertical
6	4745.1429	43.15	-45.73	30.99	-66.85	-13.00	53.85	Vertical

Test Band = LTE Band12_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1501.1429	44.83	-48.32	25.30	-73.45	-13.00	60.45	Horizontal
2	1984	44.35	-47.92	26.15	-72.68	-13.00	59.68	Horizontal
3	2266.2857	44.46	-47.56	26.73	-71.63	-13.00	58.63	Horizontal
4	2577.1429	44.39	-47.01	27.34	-70.54	-13.00	57.54	Horizontal
5	3371.4286	43.36	-46.58	28.47	-70.01	-13.00	57.01	Horizontal
6	4293.1429	43.03	-45.79	30.10	-67.92	-13.00	54.92	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1412.5714	50.80	-48.04	25.21	-67.29	-13.00	54.29	Vertical
2	1532.5714	44.12	-48.31	25.33	-74.11	-13.00	61.11	Vertical
3	2098.8571	44.89	-47.71	26.40	-71.68	-13.00	58.68	Vertical
4	2570.2857	44.49	-47.03	27.33	-70.47	-13.00	57.47	Vertical
5	3505.7143	43.66	-46.53	28.61	-69.52	-13.00	56.52	Vertical
6	4604	43.31	-45.79	30.77	-66.97	-13.00	53.97	Vertical