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	24.05	-4.50	17.40	<=34.77	Pass
			2	23.99	-4.50	17.34	<=34.77	Pass
			5	24.02	-4.50	17.37	<=34.77	Pass
		3	0	23.93	-4.50	17.28	<=34.77	Pass
			2	23.90	-4.50	17.25	<=34.77	Pass
			3	23.93	-4.50	17.28	<=34.77	Pass
		6	0	23.03	-4.50	16.38	<=34.77	Pass
	707.5	1	0	24.16	-4.50	17.51	<=34.77	Pass
			2	24.12	-4.50	17.47	<=34.77	Pass
			5	24.11	-4.50	17.46	<=34.77	Pass
		3	0	24.06	-4.50	17.41	<=34.77	Pass
			2	24.05	-4.50	17.40	<=34.77	Pass
			3	24.03	-4.50	17.38	<=34.77	Pass
		6	0	23.08	-4.50	16.43	<=34.77	Pass
	715.3	1	0	24.12	-4.50	17.47	<=34.77	Pass
			2	24.06	-4.50	17.41	<=34.77	Pass
			5	24.12	-4.50	17.47	<=34.77	Pass
		3	0	24.11	-4.50	17.46	<=34.77	Pass
			2	24.11	-4.50	17.46	<=34.77	Pass
			3	24.13	-4.50	17.48	<=34.77	Pass
		6	0	23.11	-4.50	16.46	<=34.77	Pass
16QAM	699.7	1	0	23.33	-4.50	16.68	<=34.77	Pass
			2	23.26	-4.50	16.61	<=34.77	Pass
			5	23.34	-4.50	16.69	<=34.77	Pass
		3	0	23.16	-4.50	16.51	<=34.77	Pass
			2	23.11	-4.50	16.46	<=34.77	Pass
			3	23.14	-4.50	16.49	<=34.77	Pass
		6	0	22.02	-4.50	15.37	<=34.77	Pass
	707.5	1	0	23.18	-4.50	16.53	<=34.77	Pass
			2	23.12	-4.50	16.47	<=34.77	Pass
			5	23.18	-4.50	16.53	<=34.77	Pass
		3	0	23.08	-4.50	16.43	<=34.77	Pass
			2	23.05	-4.50	16.40	<=34.77	Pass
			3	23.05	-4.50	16.40	<=34.77	Pass
		6	0	22.17	-4.50	15.52	<=34.77	Pass
	715.3	1	0	23.32	-4.50	16.67	<=34.77	Pass
			2	23.25	-4.50	16.60	<=34.77	Pass
			5	23.29	-4.50	16.64	<=34.77	Pass
		3	0	23.20	-4.50	16.55	<=34.77	Pass
			2	23.18	-4.50	16.53	<=34.77	Pass
			3	23.19	-4.50	16.54	<=34.77	Pass
		6	0	22.06	-4.50	15.41	<=34.77	Pass
64QAM	699.7	1	0	22.79	-4.50	16.14	<=34.77	Pass
			2	22.79	-4.50	16.14	<=34.77	Pass
			5	22.82	-4.50	16.17	<=34.77	Pass
		3	0	22.37	-4.50	15.72	<=34.77	Pass
			2	22.36	-4.50	15.71	<=34.77	Pass
			3	22.39	-4.50	15.74	<=34.77	Pass
		6	0	21.15	-4.50	14.50	<=34.77	Pass

	707.5	1	0	22.40	-4.50	15.75	<=34.77	Pass
			2	22.39	-4.50	15.74	<=34.77	Pass
			5	22.38	-4.50	15.73	<=34.77	Pass
		3	0	22.20	-4.50	15.55	<=34.77	Pass
			2	22.21	-4.50	15.56	<=34.77	Pass
			3	22.21	-4.50	15.56	<=34.77	Pass
		6	0	21.07	-4.50	14.42	<=34.77	Pass
	715.3	1	0	22.27	-4.50	15.62	<=34.77	Pass
			2	22.23	-4.50	15.58	<=34.77	Pass
			5	22.24	-4.50	15.59	<=34.77	Pass
		3	0	22.22	-4.50	15.57	<=34.77	Pass
			2	22.20	-4.50	15.55	<=34.77	Pass
			3	22.20	-4.50	15.55	<=34.77	Pass
		6	0	21.20	-4.50	14.55	<=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	24.09	-4.50	17.44	<=34.77	Pass
			7	24.07	-4.50	17.42	<=34.77	Pass
			14	24.06	-4.50	17.41	<=34.77	Pass
		8	0	23.09	-4.50	16.44	<=34.77	Pass
			4	23.09	-4.50	16.44	<=34.77	Pass
			7	23.10	-4.50	16.45	<=34.77	Pass
		15	0	23.09	-4.50	16.44	<=34.77	Pass
	707.5	1	0	24.10	-4.50	17.45	<=34.77	Pass
			7	24.11	-4.50	17.46	<=34.77	Pass
			14	24.16	-4.50	17.51	<=34.77	Pass
		8	0	23.15	-4.50	16.50	<=34.77	Pass
			4	23.09	-4.50	16.44	<=34.77	Pass
			7	23.14	-4.50	16.49	<=34.77	Pass
		15	0	23.10	-4.50	16.45	<=34.77	Pass
	714.5	1	0	24.07	-4.50	17.42	<=34.77	Pass
			7	24.13	-4.50	17.48	<=34.77	Pass
			14	24.11	-4.50	17.46	<=34.77	Pass
		8	0	23.12	-4.50	16.47	<=34.77	Pass
			4	23.11	-4.50	16.46	<=34.77	Pass
			7	23.10	-4.50	16.45	<=34.77	Pass
		15	0	23.12	-4.50	16.47	<=34.77	Pass
16QAM	700.5	1	0	23.19	-4.50	16.54	<=34.77	Pass
			7	23.21	-4.50	16.56	<=34.77	Pass
			14	23.23	-4.50	16.58	<=34.77	Pass
		8	0	22.24	-4.50	15.59	<=34.77	Pass
			4	22.25	-4.50	15.60	<=34.77	Pass
			7	22.23	-4.50	15.58	<=34.77	Pass
		15	0	22.12	-4.50	15.47	<=34.77	Pass
	707.5	1	0	23.21	-4.50	16.56	<=34.77	Pass
			7	23.17	-4.50	16.52	<=34.77	Pass
			14	23.16	-4.50	16.51	<=34.77	Pass
		8	0	22.28	-4.50	15.63	<=34.77	Pass
			4	22.27	-4.50	15.62	<=34.77	Pass
			7	22.28	-4.50	15.63	<=34.77	Pass
		15	0	22.14	-4.50	15.49	<=34.77	Pass
	714.5	1	0	23.29	-4.50	16.64	<=34.77	Pass

			7	23.31	-4.50	16.66	<=34.77	Pass
			14	23.30	-4.50	16.65	<=34.77	Pass
		8	0	22.20	-4.50	15.55	<=34.77	Pass
			4	22.14	-4.50	15.49	<=34.77	Pass
			7	22.17	-4.50	15.52	<=34.77	Pass
		15	0	22.12	-4.50	15.47	<=34.77	Pass
64QAM	700.5	1	0	22.33	-4.50	15.68	<=34.77	Pass
			7	22.34	-4.50	15.69	<=34.77	Pass
			14	22.36	-4.50	15.71	<=34.77	Pass
		8	0	21.22	-4.50	14.57	<=34.77	Pass
			4	21.21	-4.50	14.56	<=34.77	Pass
			7	21.25	-4.50	14.60	<=34.77	Pass
		15	0	21.17	-4.50	14.52	<=34.77	Pass
	707.5	1	0	22.41	-4.50	15.76	<=34.77	Pass
			7	22.36	-4.50	15.71	<=34.77	Pass
			14	22.41	-4.50	15.76	<=34.77	Pass
		8	0	21.18	-4.50	14.53	<=34.77	Pass
			4	21.12	-4.50	14.47	<=34.77	Pass
			7	21.13	-4.50	14.48	<=34.77	Pass
		15	0	21.12	-4.50	14.47	<=34.77	Pass
	714.5	1	0	22.23	-4.50	15.58	<=34.77	Pass
			7	22.27	-4.50	15.62	<=34.77	Pass
			14	22.26	-4.50	15.61	<=34.77	Pass
		8	0	21.22	-4.50	14.57	<=34.77	Pass
			4	21.19	-4.50	14.54	<=34.77	Pass
			7	21.22	-4.50	14.57	<=34.77	Pass
		15	0	21.07	-4.50	14.42	<=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	24.24	-4.50	17.59	<=34.77	Pass
			13	24.21	-4.50	17.56	<=34.77	Pass
			24	24.27	-4.50	17.62	<=34.77	Pass
		12	0	23.14	-4.50	16.49	<=34.77	Pass
			6	23.13	-4.50	16.48	<=34.77	Pass
			13	23.14	-4.50	16.49	<=34.77	Pass
		25	0	23.20	-4.50	16.55	<=34.77	Pass
	707.5	1	0	24.17	-4.50	17.52	<=34.77	Pass
			13	24.15	-4.50	17.50	<=34.77	Pass
			24	24.21	-4.50	17.56	<=34.77	Pass
		12	0	23.14	-4.50	16.49	<=34.77	Pass
			6	23.17	-4.50	16.52	<=34.77	Pass
			13	23.17	-4.50	16.52	<=34.77	Pass
		25	0	23.19	-4.50	16.54	<=34.77	Pass
	713.5	1	0	24.20	-4.50	17.55	<=34.77	Pass
			13	24.22	-4.50	17.57	<=34.77	Pass
			24	24.29	-4.50	17.64	<=34.77	Pass
		12	0	23.18	-4.50	16.53	<=34.77	Pass
			6	23.20	-4.50	16.55	<=34.77	Pass
			13	23.16	-4.50	16.51	<=34.77	Pass
		25	0	23.24	-4.50	16.59	<=34.77	Pass
16QAM	701.5	1	0	23.32	-4.50	16.67	<=34.77	Pass
			13	23.31	-4.50	16.66	<=34.77	Pass

			24	23.38	-4.50	16.73	<=34.77	Pass
		12	0	22.21	-4.50	15.56	<=34.77	Pass
			6	22.18	-4.50	15.53	<=34.77	Pass
			13	22.21	-4.50	15.56	<=34.77	Pass
		25	0	22.18	-4.50	15.53	<=34.77	Pass
	707.5	1	0	23.36	-4.50	16.71	<=34.77	Pass
			13	23.33	-4.50	16.68	<=34.77	Pass
			24	23.37	-4.50	16.72	<=34.77	Pass
		12	0	22.15	-4.50	15.50	<=34.77	Pass
			6	22.17	-4.50	15.52	<=34.77	Pass
			13	22.16	-4.50	15.51	<=34.77	Pass
		25	0	22.19	-4.50	15.54	<=34.77	Pass
	713.5	1	0	23.44	-4.50	16.79	<=34.77	Pass
			13	23.45	-4.50	16.80	<=34.77	Pass
			24	23.51	-4.50	16.86	<=34.77	Pass
		12	0	22.16	-4.50	15.51	<=34.77	Pass
			6	22.17	-4.50	15.52	<=34.77	Pass
			13	22.13	-4.50	15.48	<=34.77	Pass
		25	0	22.21	-4.50	15.56	<=34.77	Pass
64QAM	701.5	1	0	22.38	-4.50	15.73	<=34.77	Pass
			13	22.35	-4.50	15.70	<=34.77	Pass
			24	22.41	-4.50	15.76	<=34.77	Pass
		12	0	21.19	-4.50	14.54	<=34.77	Pass
			6	21.19	-4.50	14.54	<=34.77	Pass
			13	21.20	-4.50	14.55	<=34.77	Pass
		25	0	21.16	-4.50	14.51	<=34.77	Pass
	707.5	1	0	22.34	-4.50	15.69	<=34.77	Pass
			13	22.32	-4.50	15.67	<=34.77	Pass
			24	22.38	-4.50	15.73	<=34.77	Pass
		12	0	21.26	-4.50	14.61	<=34.77	Pass
			6	21.27	-4.50	14.62	<=34.77	Pass
			13	21.27	-4.50	14.62	<=34.77	Pass
		25	0	21.21	-4.50	14.56	<=34.77	Pass
	713.5	1	0	22.26	-4.50	15.61	<=34.77	Pass
			13	22.24	-4.50	15.59	<=34.77	Pass
			24	22.33	-4.50	15.68	<=34.77	Pass
		12	0	21.17	-4.50	14.52	<=34.77	Pass
			6	21.18	-4.50	14.53	<=34.77	Pass
			13	21.16	-4.50	14.51	<=34.77	Pass
		25	0	21.17	-4.50	14.52	<=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	24.12	-4.50	17.47	<=34.77	Pass
			25	24.14	-4.50	17.49	<=34.77	Pass
			49	24.14	-4.50	17.49	<=34.77	Pass
		25	0	23.11	-4.50	16.46	<=34.77	Pass
			13	23.14	-4.50	16.49	<=34.77	Pass
			25	23.16	-4.50	16.51	<=34.77	Pass
		50	0	23.15	-4.50	16.50	<=34.77	Pass
	707.5	1	0	24.20	-4.50	17.55	<=34.77	Pass
			25	24.13	-4.50	17.48	<=34.77	Pass
			49	24.22	-4.50	17.57	<=34.77	Pass

		25	0	23.12	-4.50	16.47	<=34.77	Pass
			13	23.14	-4.50	16.49	<=34.77	Pass
			25	23.18	-4.50	16.53	<=34.77	Pass
		50	0	23.15	-4.50	16.50	<=34.77	Pass
	711	1	0	24.11	-4.50	17.46	<=34.77	Pass
			25	24.06	-4.50	17.41	<=34.77	Pass
			49	24.16	-4.50	17.51	<=34.77	Pass
		25	0	23.14	-4.50	16.49	<=34.77	Pass
			13	23.16	-4.50	16.51	<=34.77	Pass
			25	23.16	-4.50	16.51	<=34.77	Pass
		50	0	23.16	-4.50	16.51	<=34.77	Pass
16QAM	704	1	0	23.27	-4.50	16.62	<=34.77	Pass
			25	23.24	-4.50	16.59	<=34.77	Pass
			49	23.30	-4.50	16.65	<=34.77	Pass
		25	0	22.14	-4.50	15.49	<=34.77	Pass
			13	22.16	-4.50	15.51	<=34.77	Pass
			25	22.17	-4.50	15.52	<=34.77	Pass
		50	0	22.14	-4.50	15.49	<=34.77	Pass
	707.5	1	0	23.25	-4.50	16.60	<=34.77	Pass
			25	23.20	-4.50	16.55	<=34.77	Pass
			49	23.25	-4.50	16.60	<=34.77	Pass
		25	0	22.16	-4.50	15.51	<=34.77	Pass
			13	22.16	-4.50	15.51	<=34.77	Pass
			25	22.20	-4.50	15.55	<=34.77	Pass
		50	0	22.14	-4.50	15.49	<=34.77	Pass
	711	1	0	23.36	-4.50	16.71	<=34.77	Pass
			25	23.32	-4.50	16.67	<=34.77	Pass
			49	23.44	-4.50	16.79	<=34.77	Pass
		25	0	22.13	-4.50	15.48	<=34.77	Pass
			13	22.14	-4.50	15.49	<=34.77	Pass
			25	22.16	-4.50	15.51	<=34.77	Pass
		50	0	22.12	-4.50	15.47	<=34.77	Pass
64QAM	704	1	0	22.35	-4.50	15.70	<=34.77	Pass
			25	22.35	-4.50	15.70	<=34.77	Pass
			49	22.33	-4.50	15.68	<=34.77	Pass
		25	0	21.08	-4.50	14.43	<=34.77	Pass
			13	21.09	-4.50	14.44	<=34.77	Pass
			25	21.10	-4.50	14.45	<=34.77	Pass
		50	0	21.16	-4.50	14.51	<=34.77	Pass
	707.5	1	0	22.47	-4.50	15.82	<=34.77	Pass
			25	22.42	-4.50	15.77	<=34.77	Pass
			49	22.53	-4.50	15.88	<=34.77	Pass
		25	0	21.14	-4.50	14.49	<=34.77	Pass
			13	21.15	-4.50	14.50	<=34.77	Pass
			25	21.18	-4.50	14.53	<=34.77	Pass
		50	0	21.14	-4.50	14.49	<=34.77	Pass
	711	1	0	22.24	-4.50	15.59	<=34.77	Pass
			25	22.24	-4.50	15.59	<=34.77	Pass
			49	22.31	-4.50	15.66	<=34.77	Pass
		25	0	21.11	-4.50	14.46	<=34.77	Pass
			13	21.12	-4.50	14.47	<=34.77	Pass
			25	21.14	-4.50	14.49	<=34.77	Pass
		50	0	21.10	-4.50	14.45	<=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	-2.475	-0.0035	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
					4.3	-1.359	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-1.445	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.103	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.502	-0.0021	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

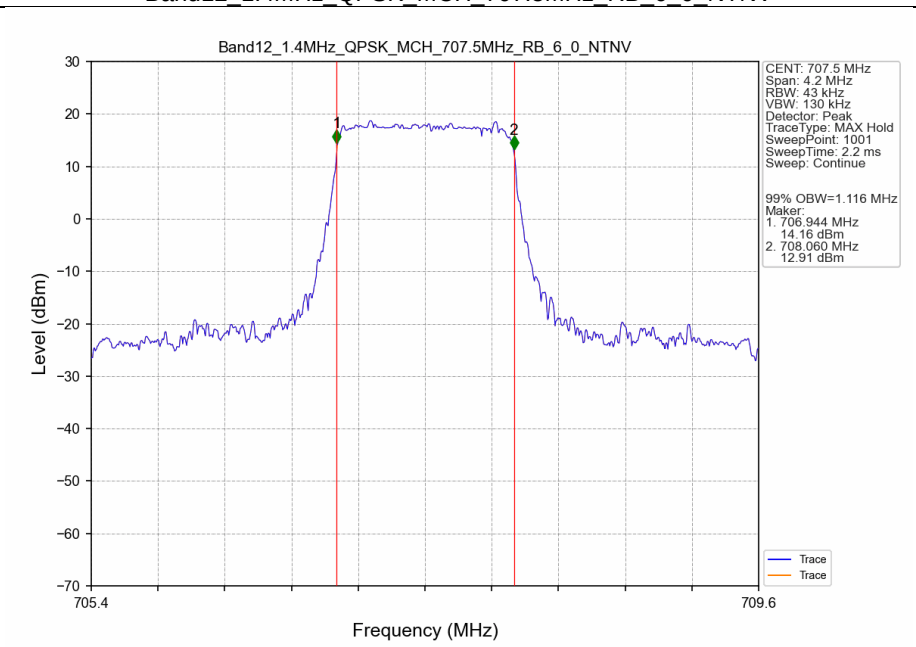
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.116	/	Pass
	16QAM	707.5	6	0	1.107	/	Pass
3	QPSK	707.5	15	0	2.729	/	Pass
	16QAM	707.5	15	0	2.734	/	Pass
5	QPSK	707.5	25	0	4.556	/	Pass
	16QAM	707.5	25	0	4.543	/	Pass
10	QPSK	707.5	50	0	9.077	/	Pass
	16QAM	707.5	50	0	9.065	/	Pass

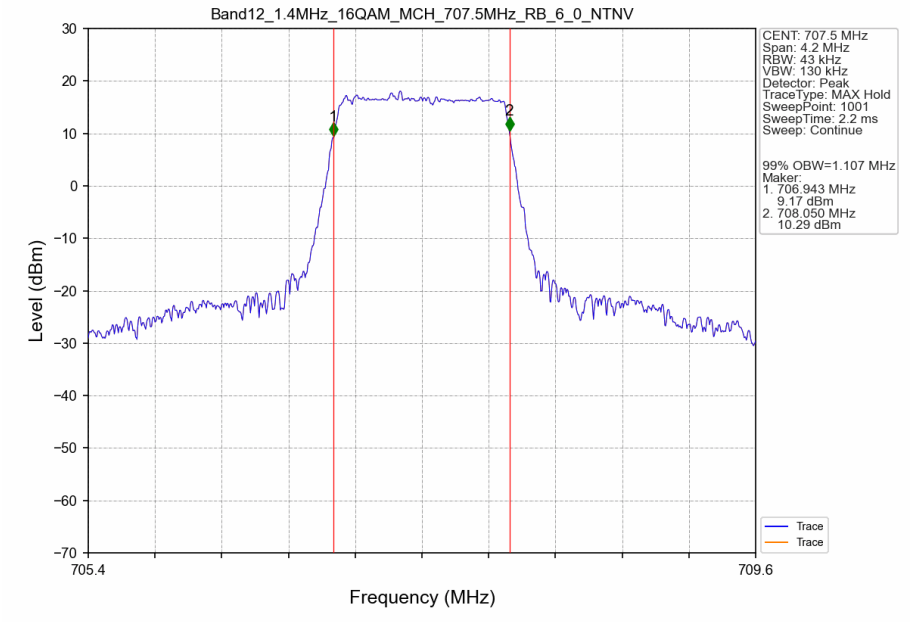
3.1.2 Band12_XDB

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	1.312	/	Pass
	16QAM	707.5	6	0	1.317	/	Pass
3	QPSK	707.5	15	0	3.043	/	Pass
	16QAM	707.5	15	0	3.033	/	Pass
5	QPSK	707.5	25	0	5.037	/	Pass
	16QAM	707.5	25	0	5.056	/	Pass
10	QPSK	707.5	50	0	10.126	/	Pass
	16QAM	707.5	50	0	9.953	/	Pass

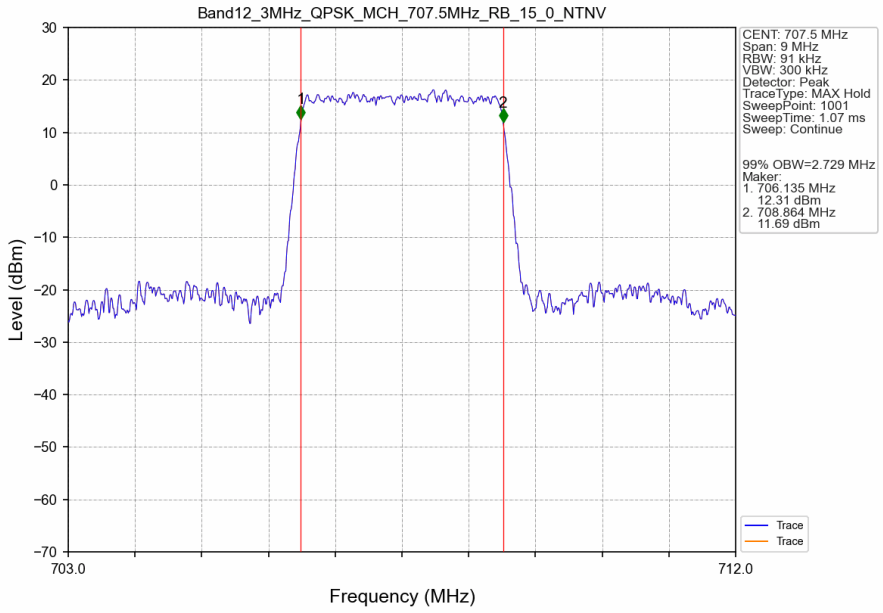
3.2 Test Graph

3.2.1 Band12_OBW

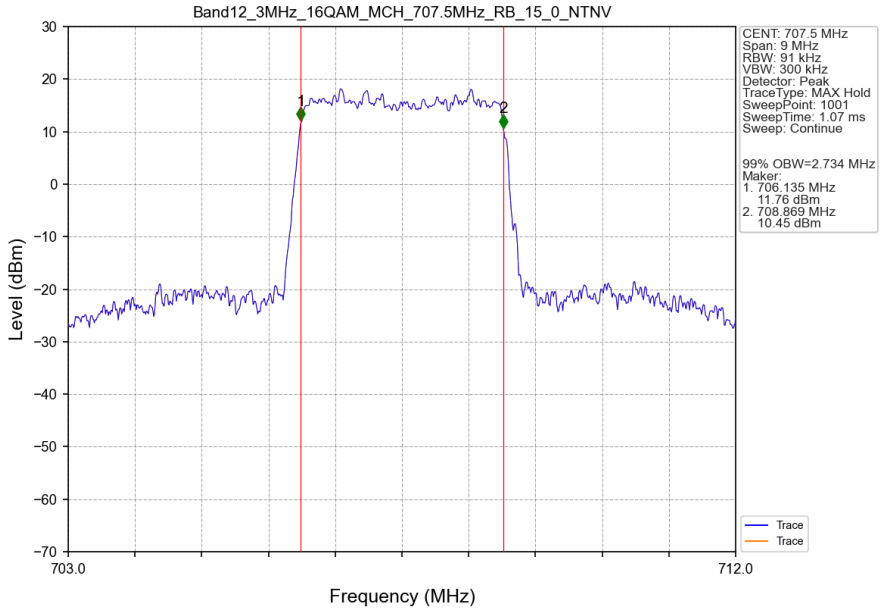
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


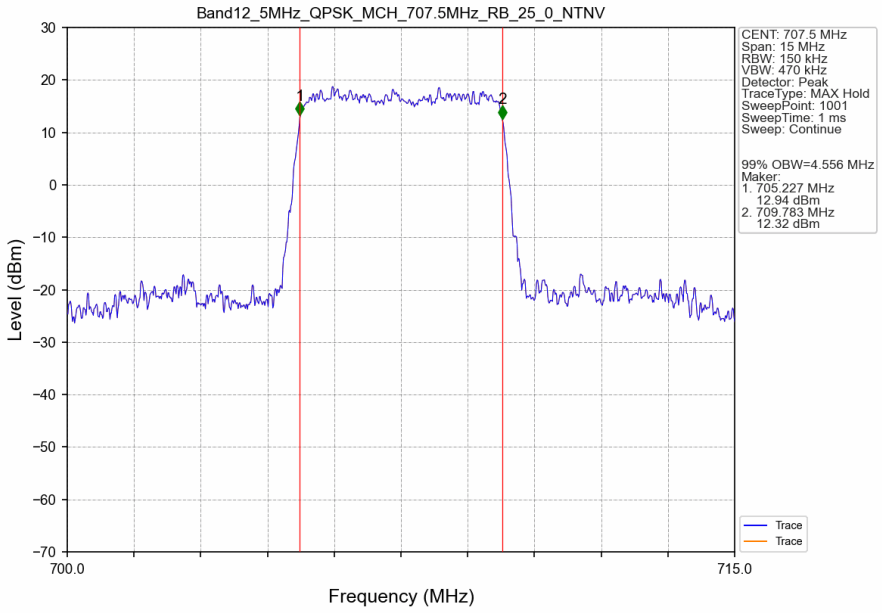
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



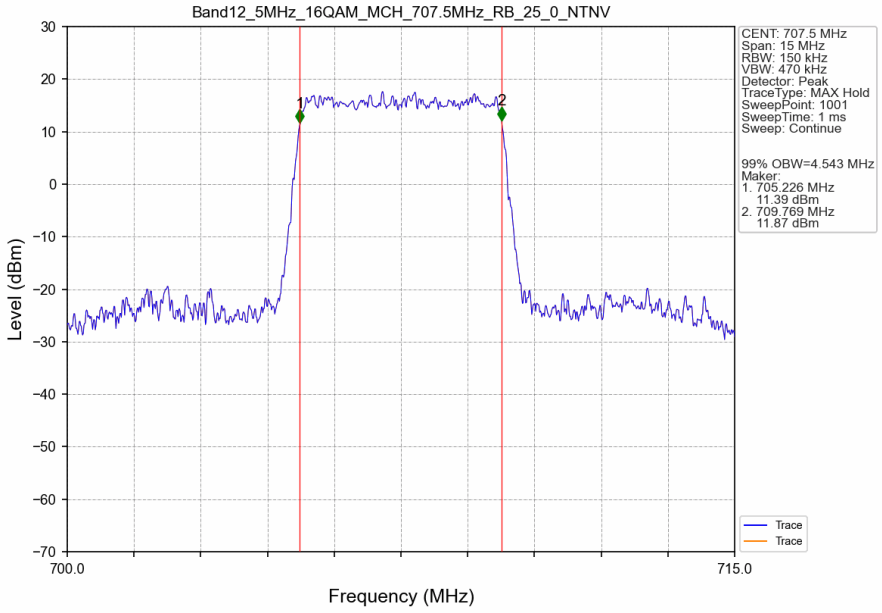
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



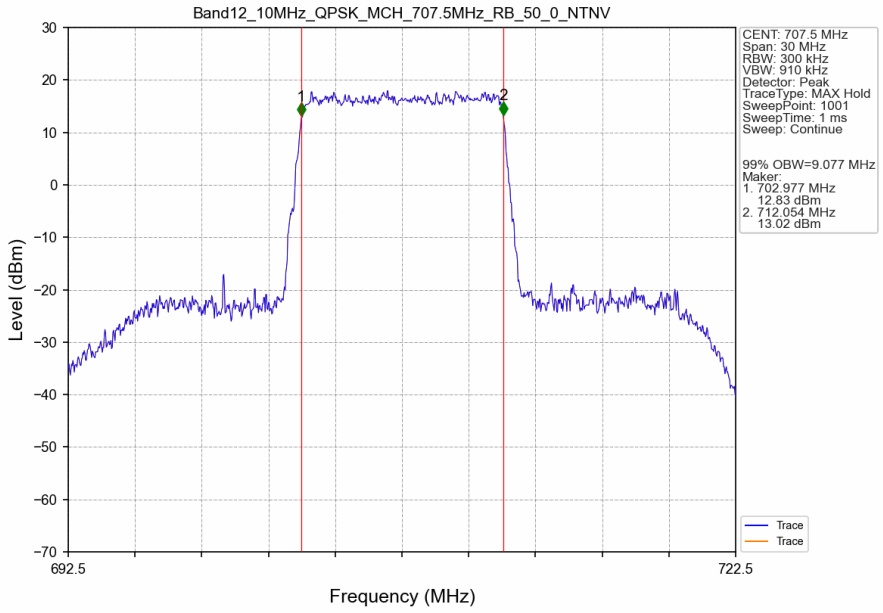
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



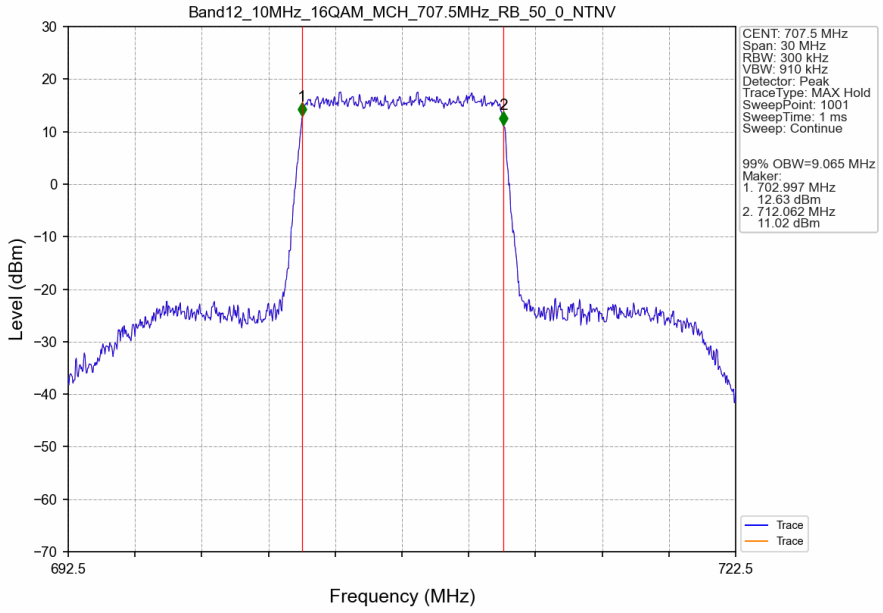
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



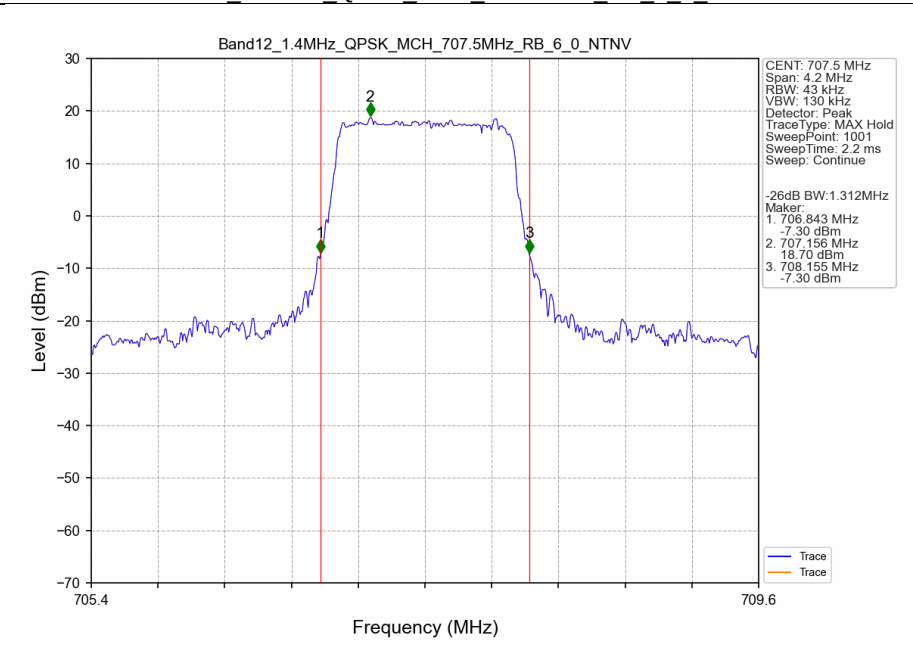
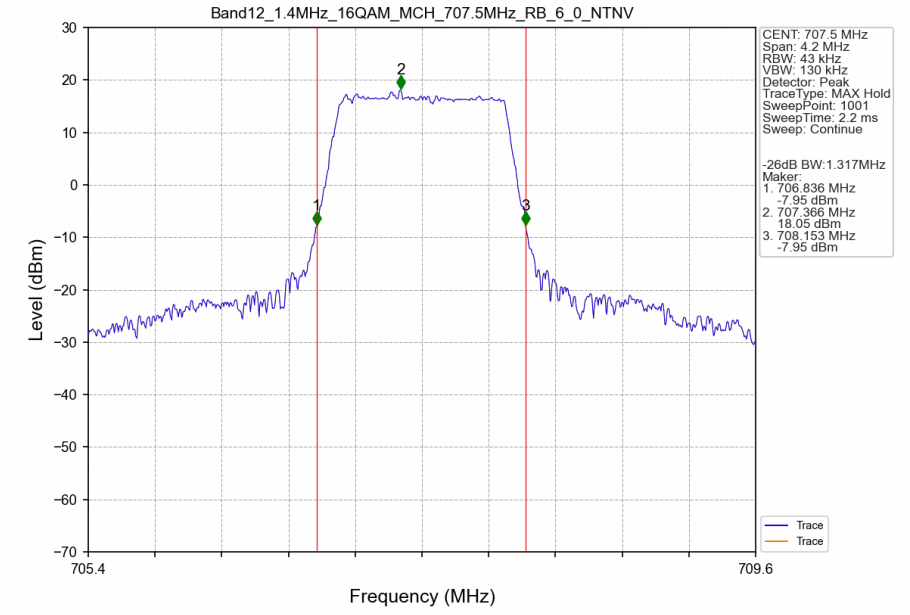
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



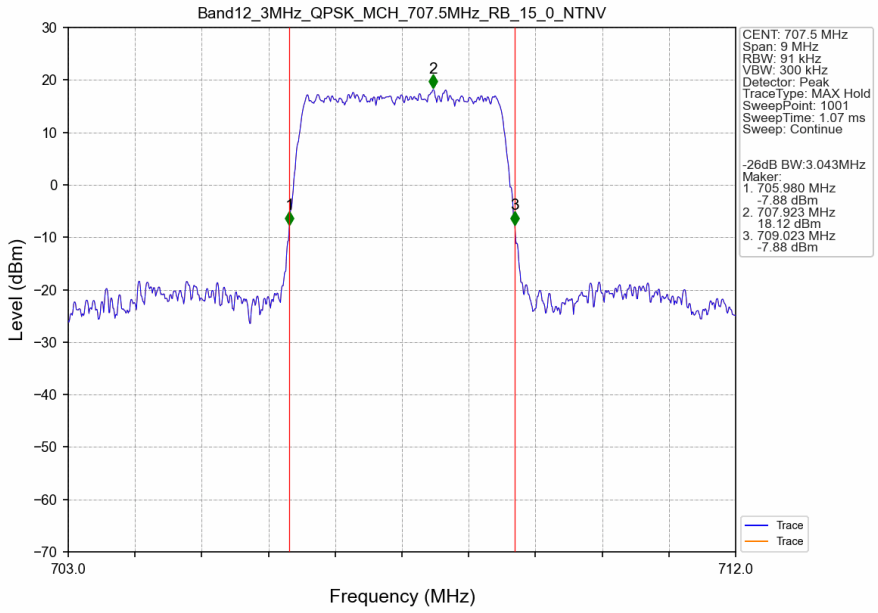
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



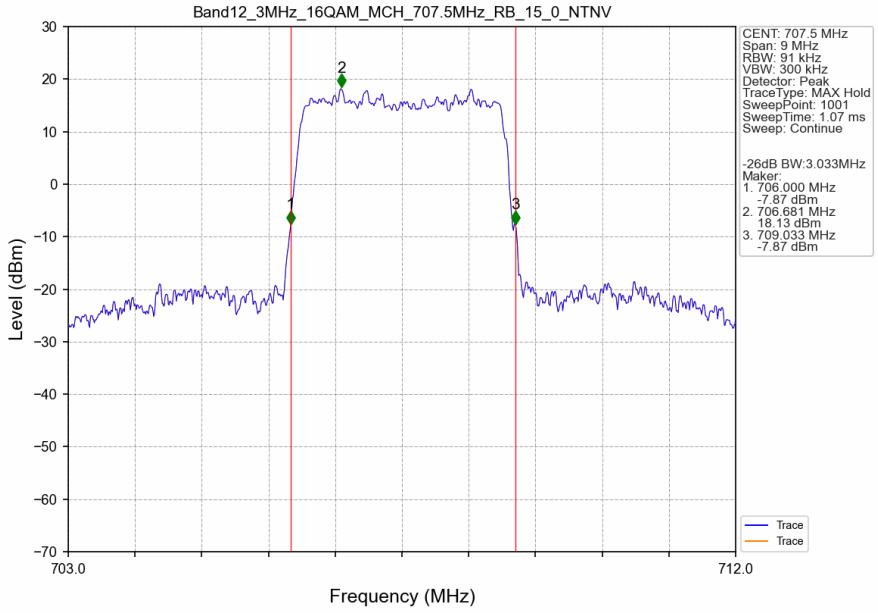
3.2.2 Band12_XDB

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


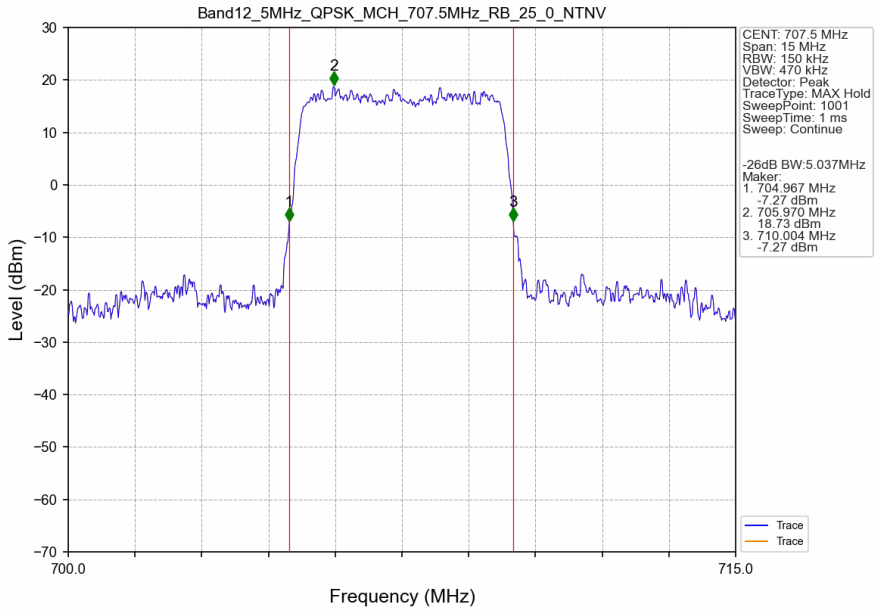
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



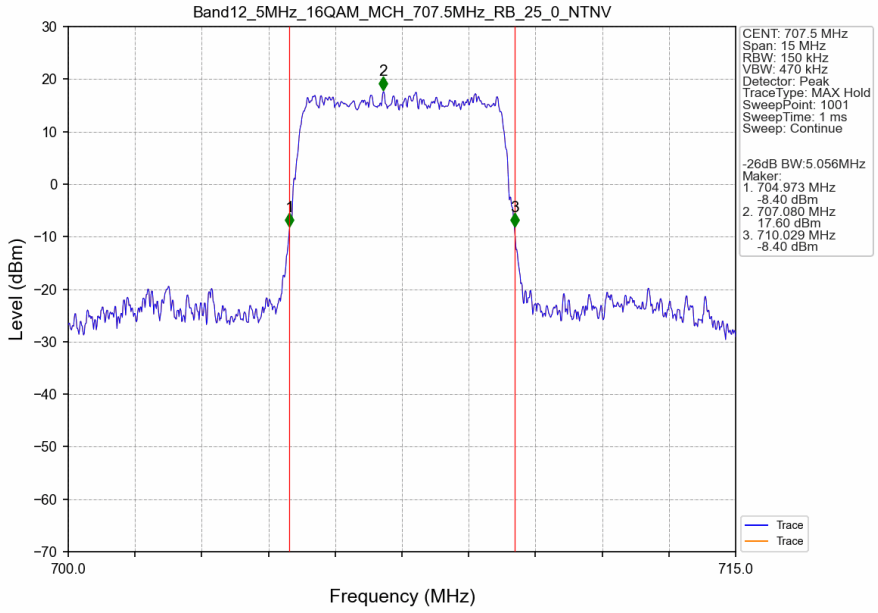
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



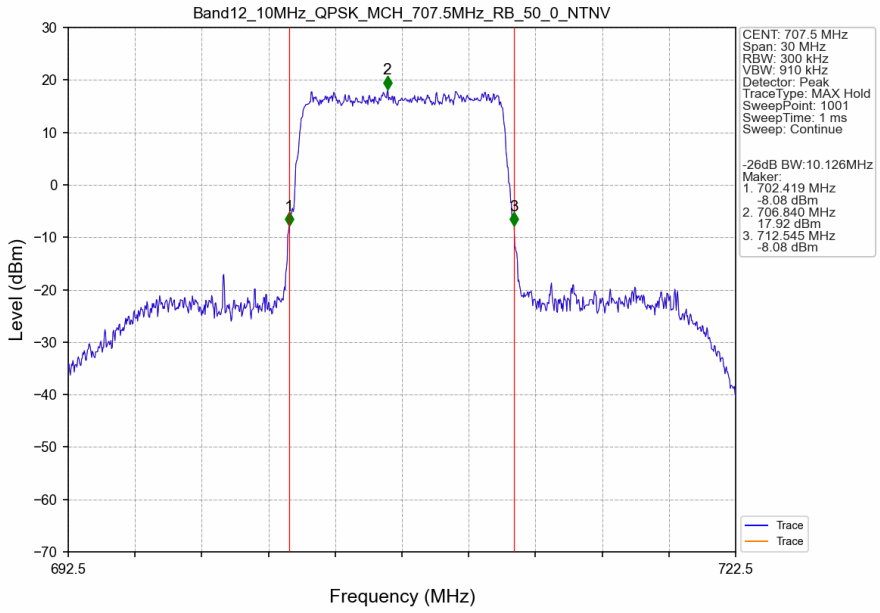
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



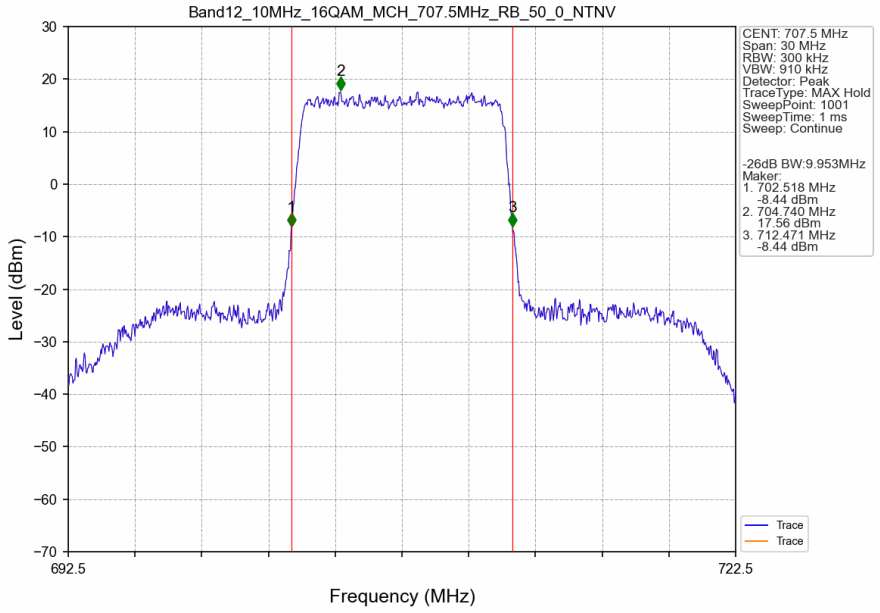
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



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

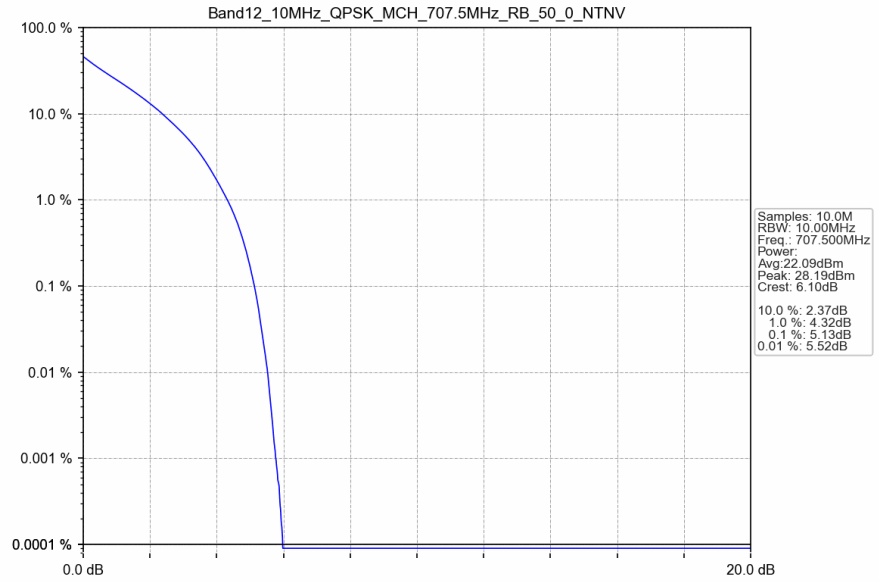
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.13	<=13	Pass
16QAM	707.5	50	0	5.85	<=13	Pass
64QAM	707.5	50	0	6.24	<=13	Pass

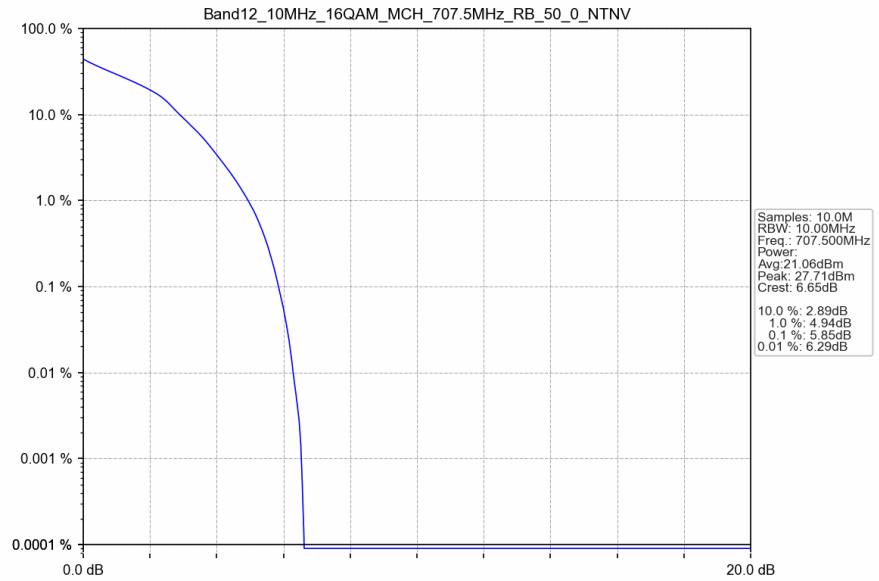
4.2 Test Graph

4.2.1 B12_10MHz

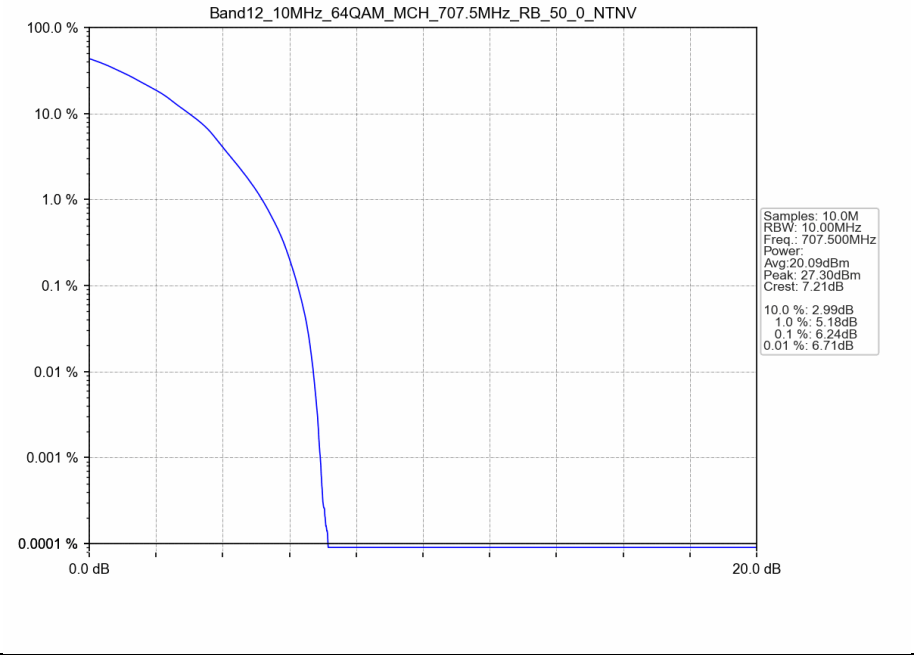
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



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

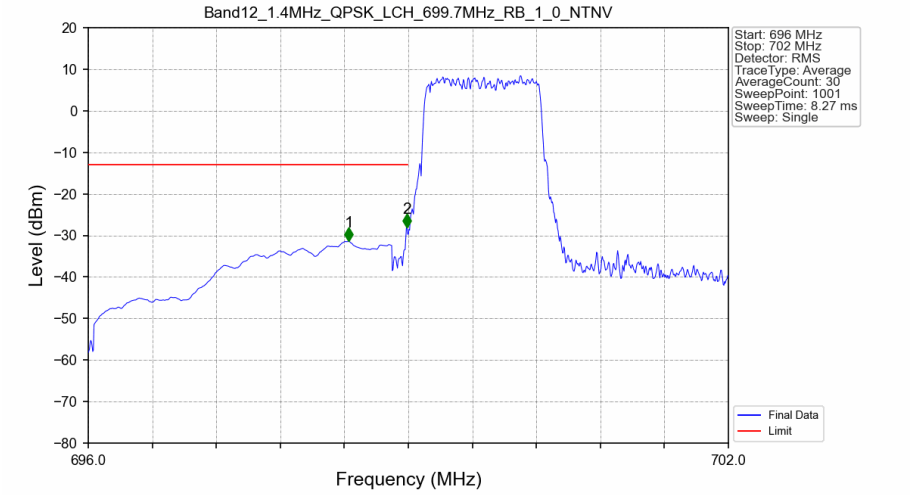
5.1.4 B12_10MHz

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

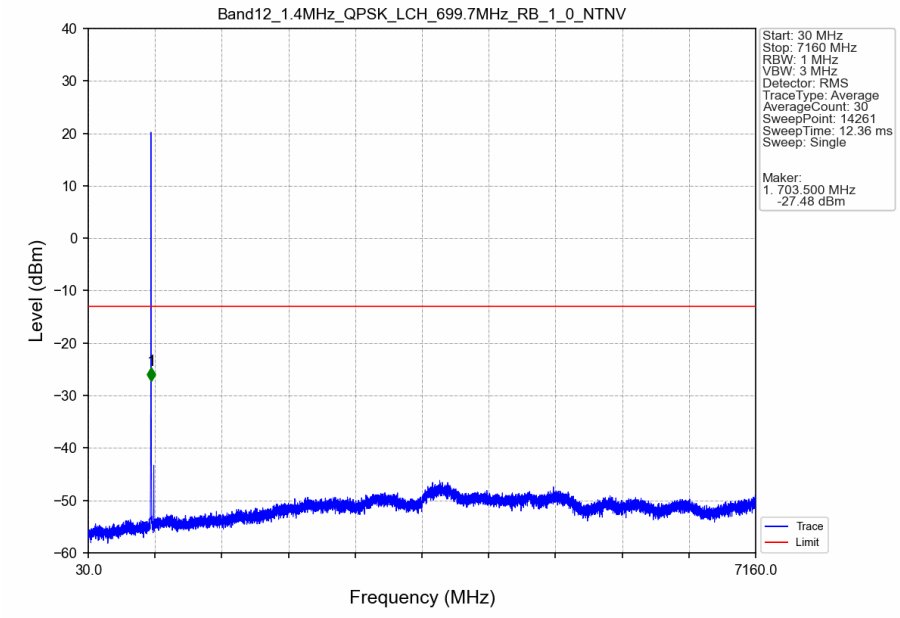
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

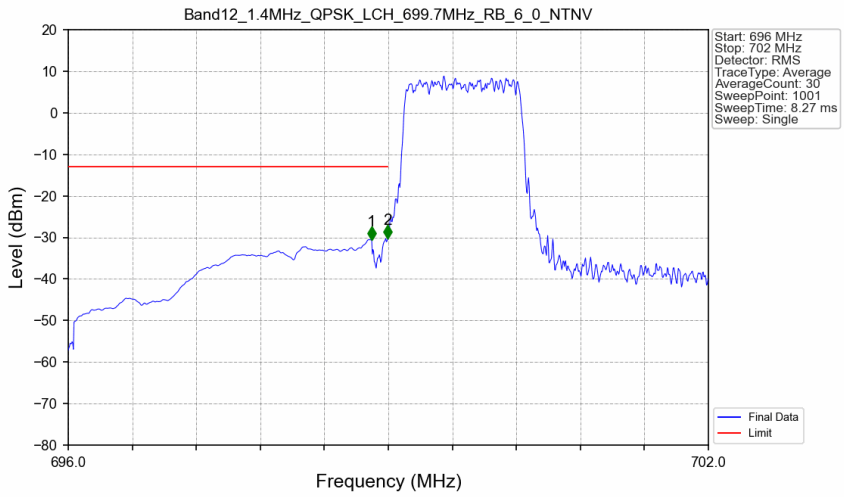


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.442	-31.39	-13	Pass
698.9	699	0.03	/	2	698.988	-28.10	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

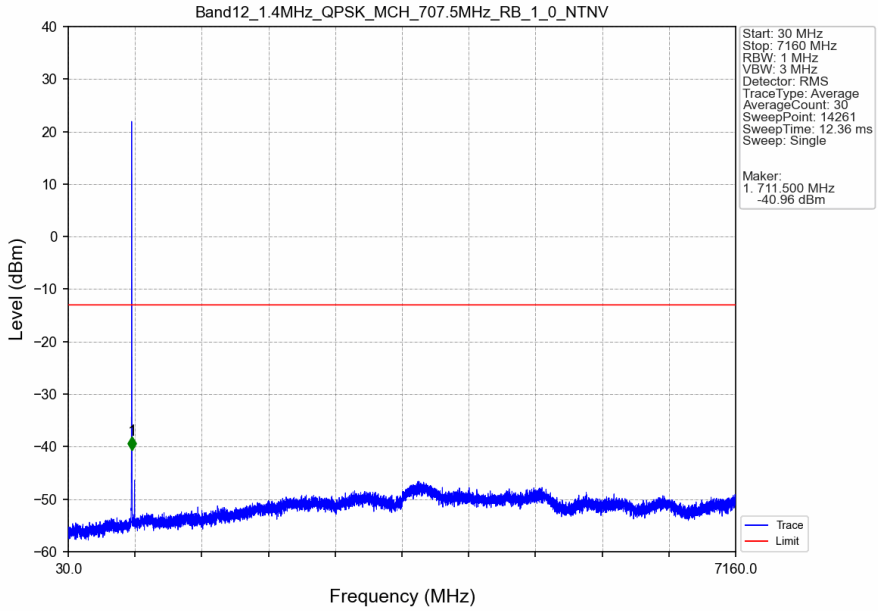


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

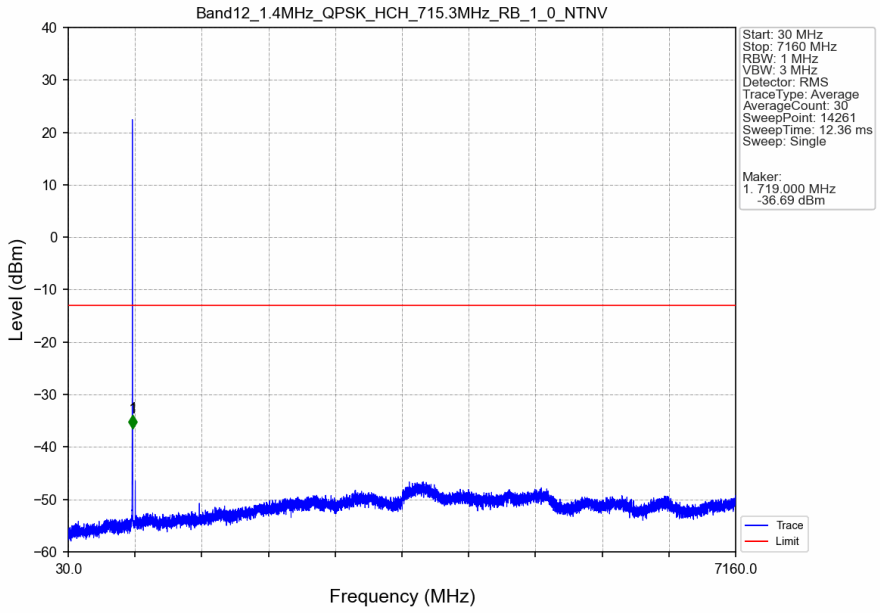


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.52	-13	Pass
698.9	699	0.03	/	2	698.994	-30.27	-13	Pass
699	702	0.03	/	/	/	/	/	/

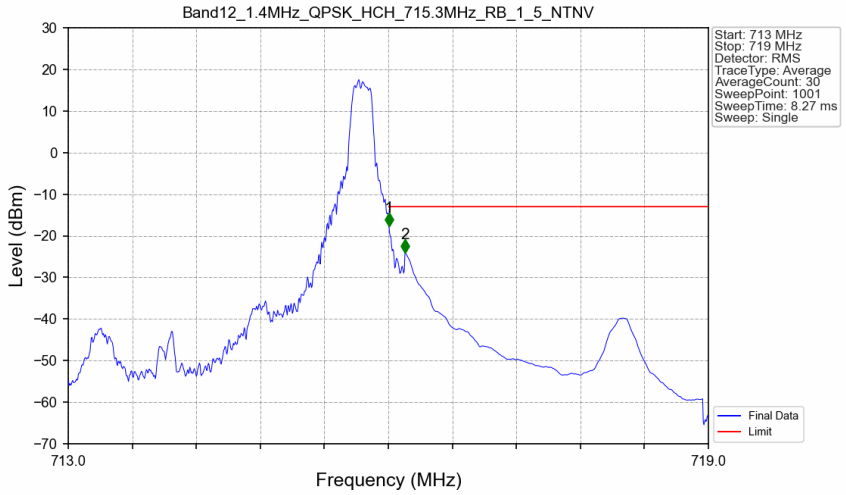
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

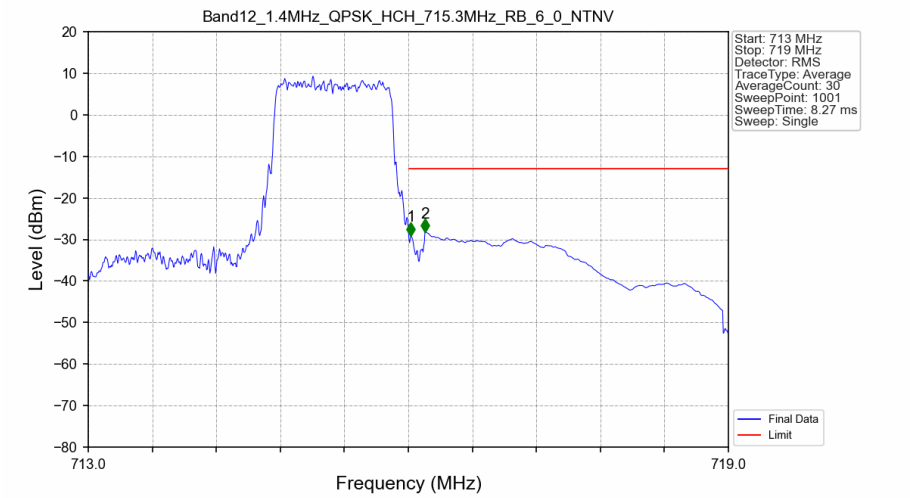


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	-17.66	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.10	-13	Pass

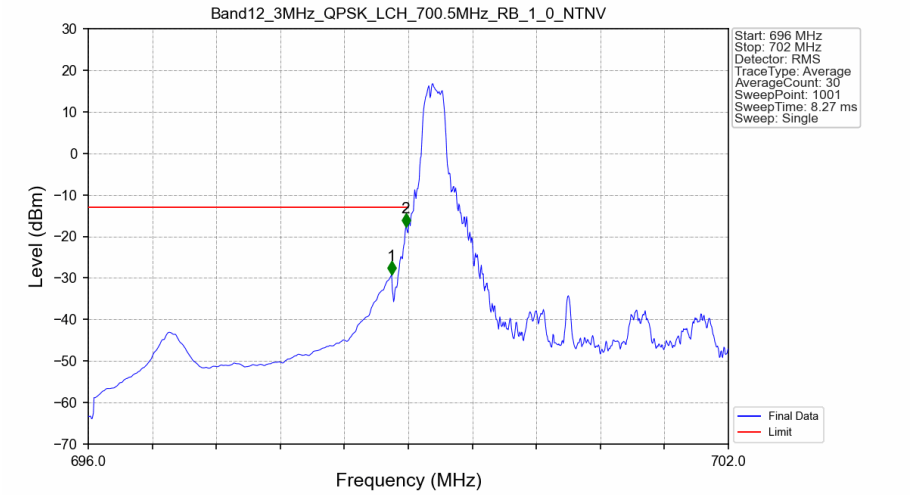
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	-29.03	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.20	-13	Pass

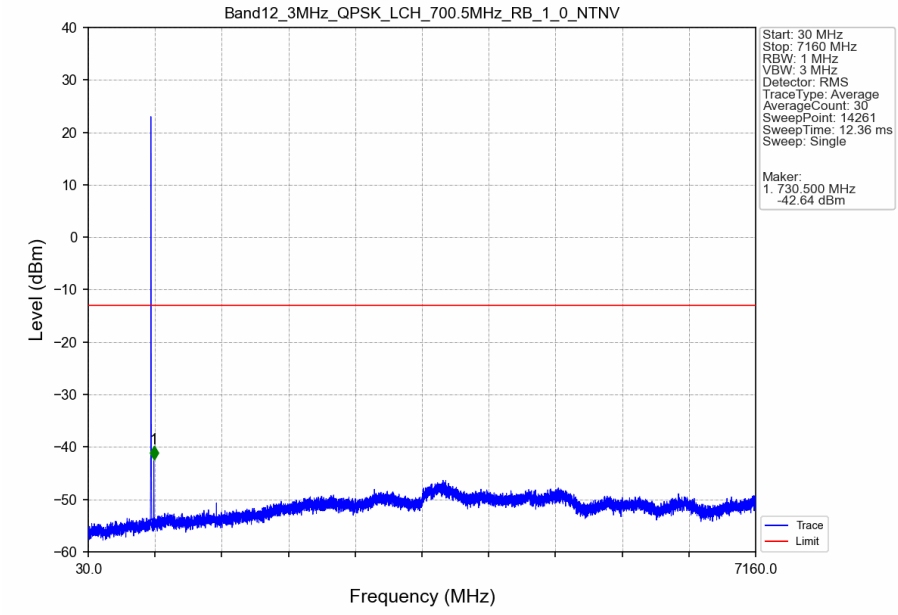
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

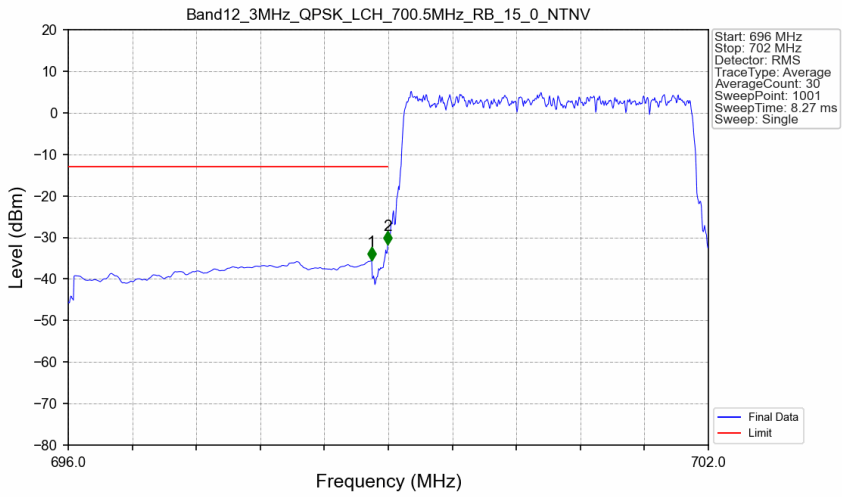


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.13	-13	Pass
698.9	699	0.03	/	2	698.976	-17.74	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

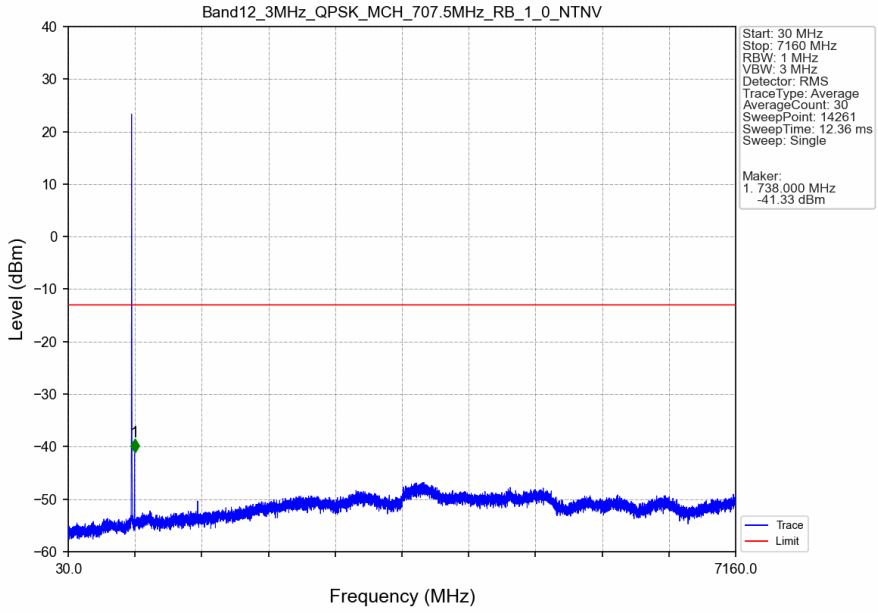


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

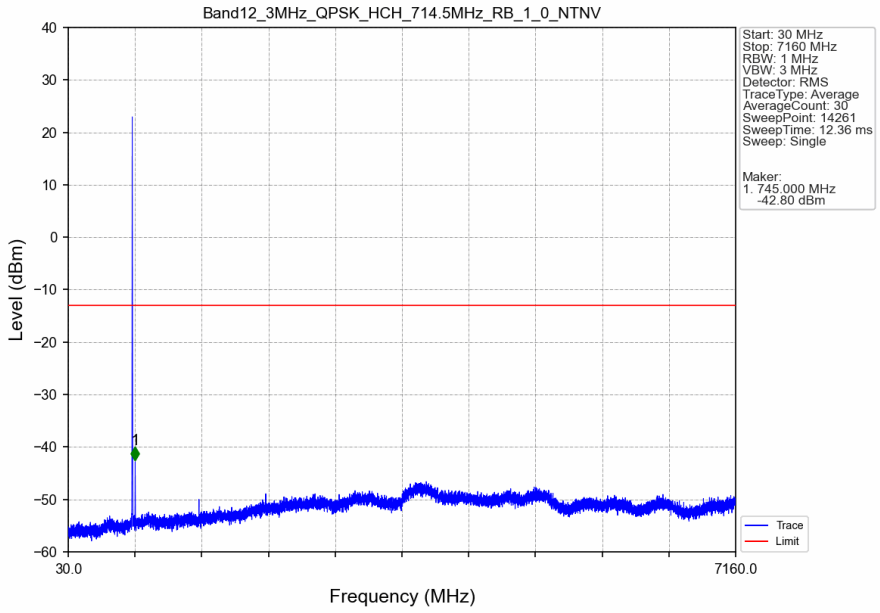


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-35.55	-13	Pass
698.9	699	0.03	/	2	698.994	-31.72	-13	Pass
699	702	0.03	/	/	/	/	/	/

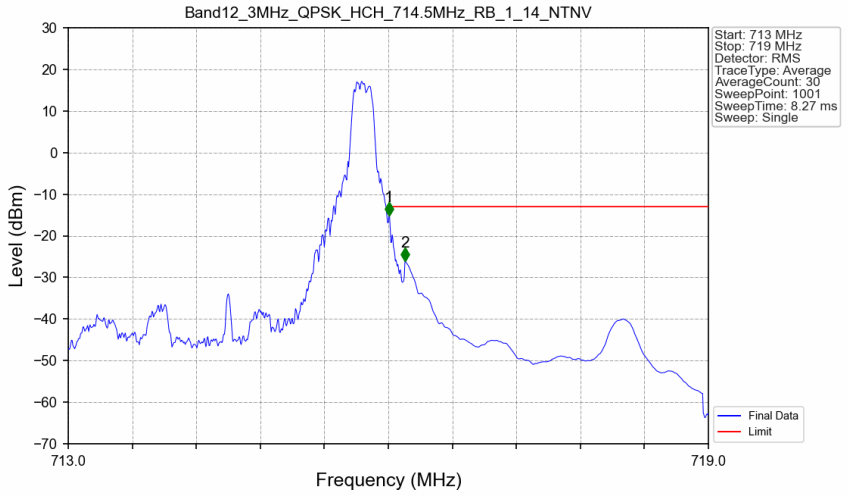
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

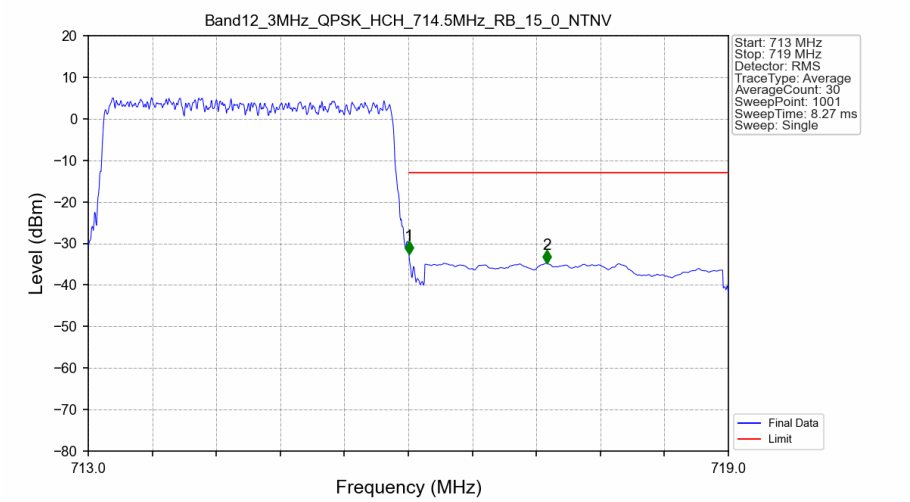


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	-15.05	-13	Pass
716.1	719	0.1	CHP	2	716.156	-26.02	-13	Pass

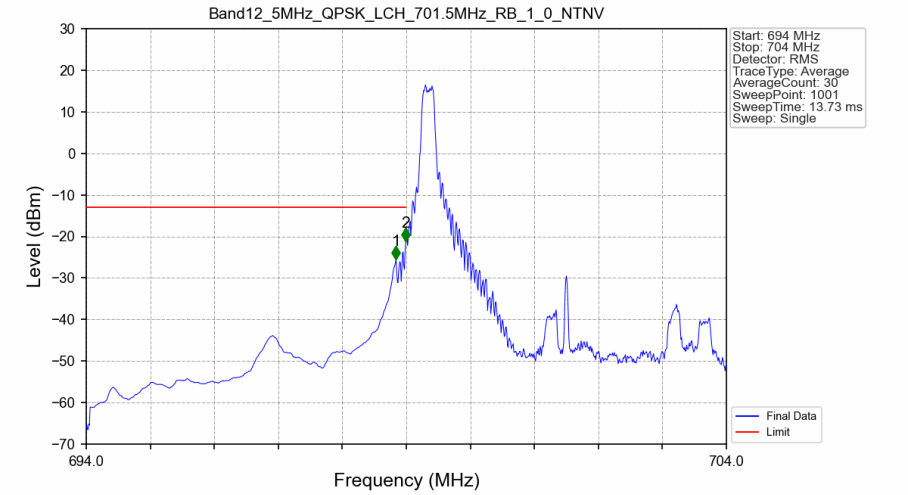
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	-32.59	-13	Pass
716.1	719	0.1	CHP	2	717.296	-34.71	-13	Pass

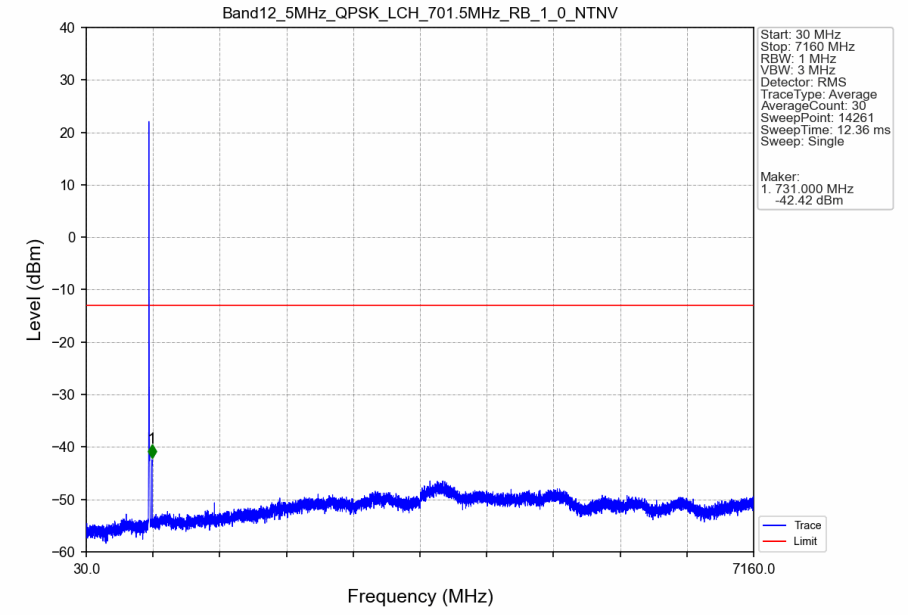
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

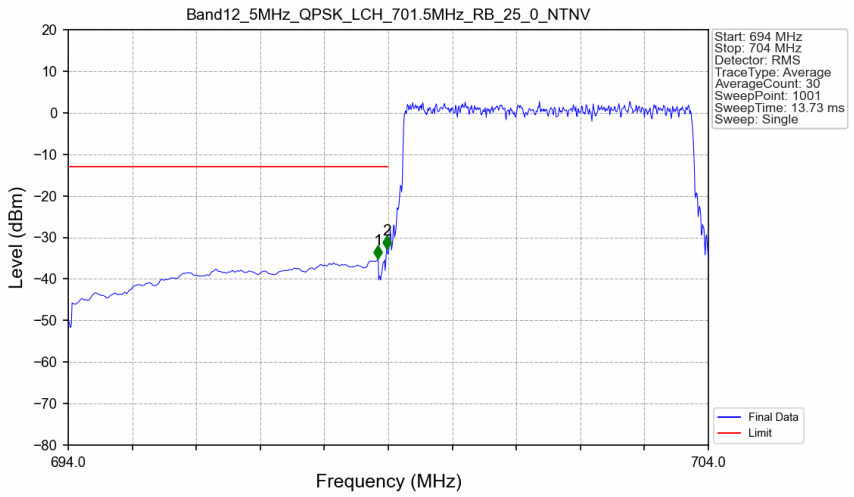


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-25.47	-13	Pass
698.9	699	0.03	/	2	698.990	-21.20	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

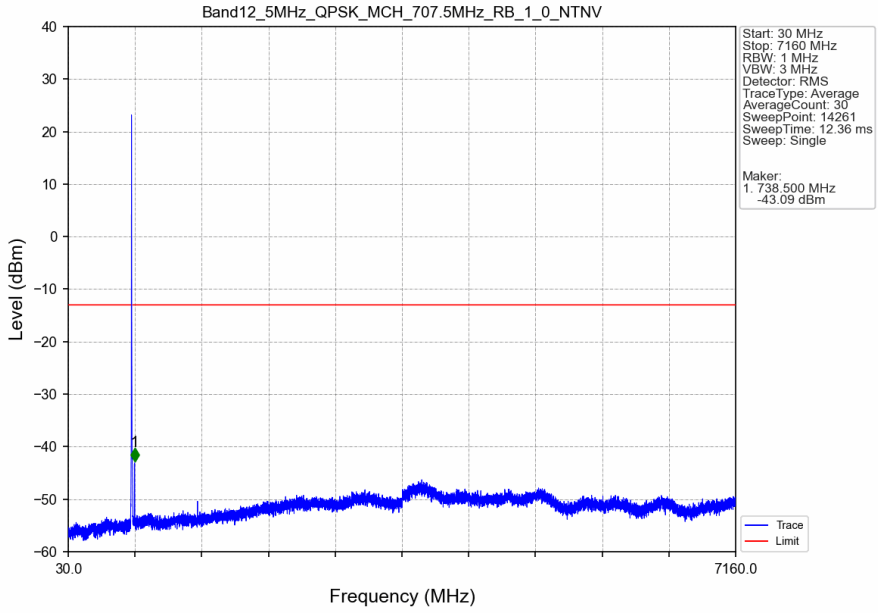


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

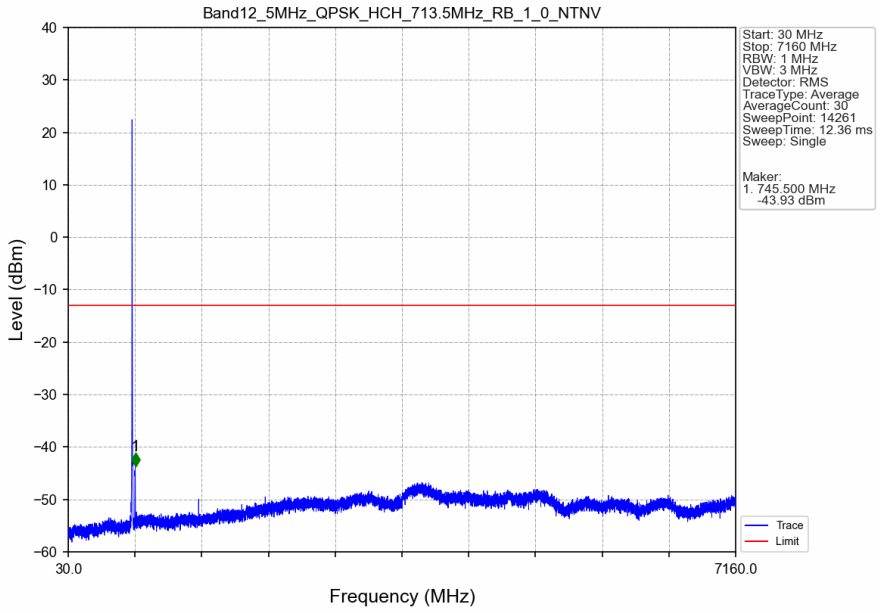


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-35.22	-13	Pass
698.9	699	0.03	/	2	698.980	-32.79	-13	Pass
699	704	0.03	/	/	/	/	/	/

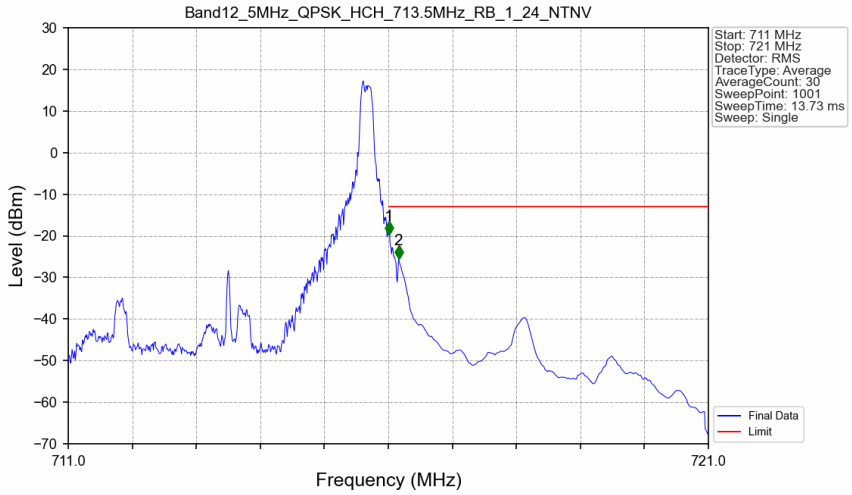
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

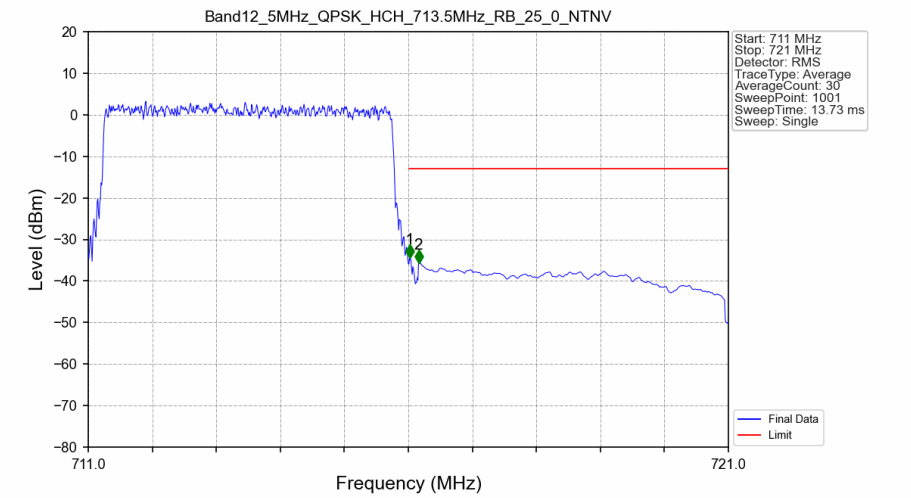


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-19.69	-13	Pass
716.1	721	0.1	CHP	2	716.160	-25.46	-13	Pass

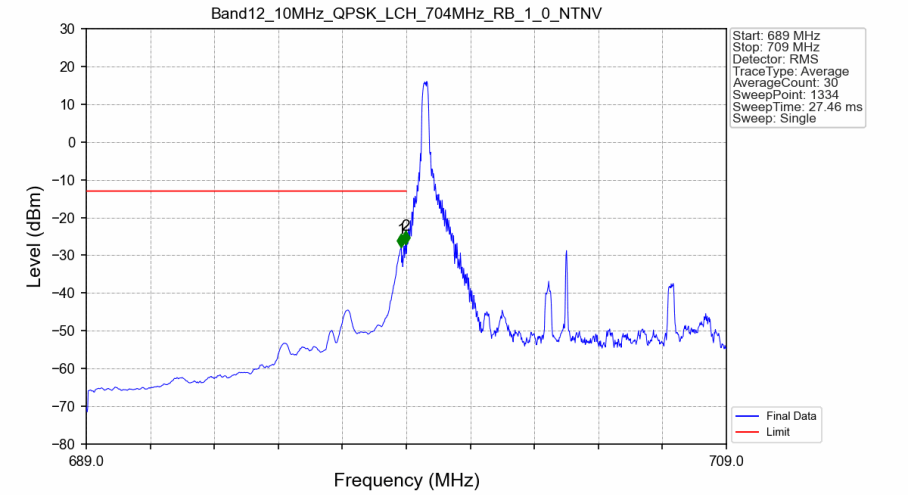
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	-34.44	-13	Pass
716.1	721	0.1	CHP	2	716.160	-35.62	-13	Pass

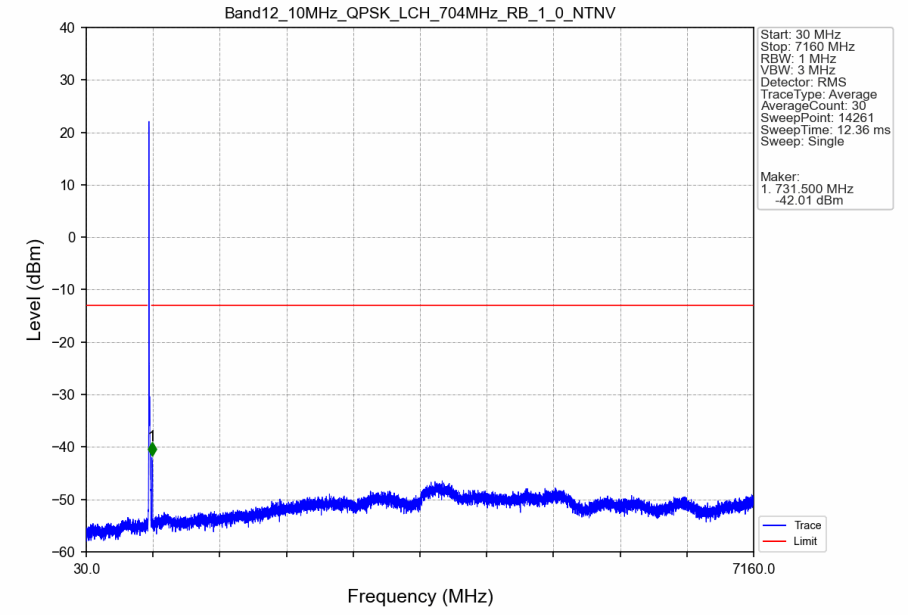
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

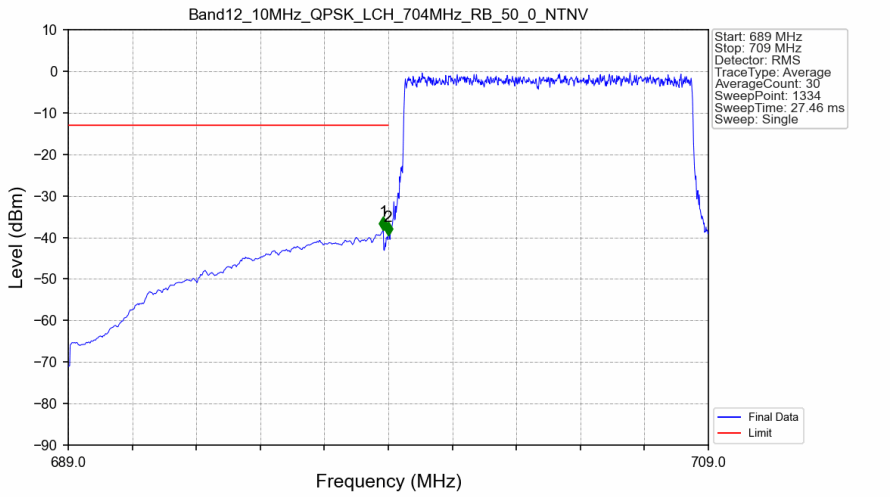


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-27.78	-13	Pass
698.9	699	0.03	/	2	698.977	-27.04	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

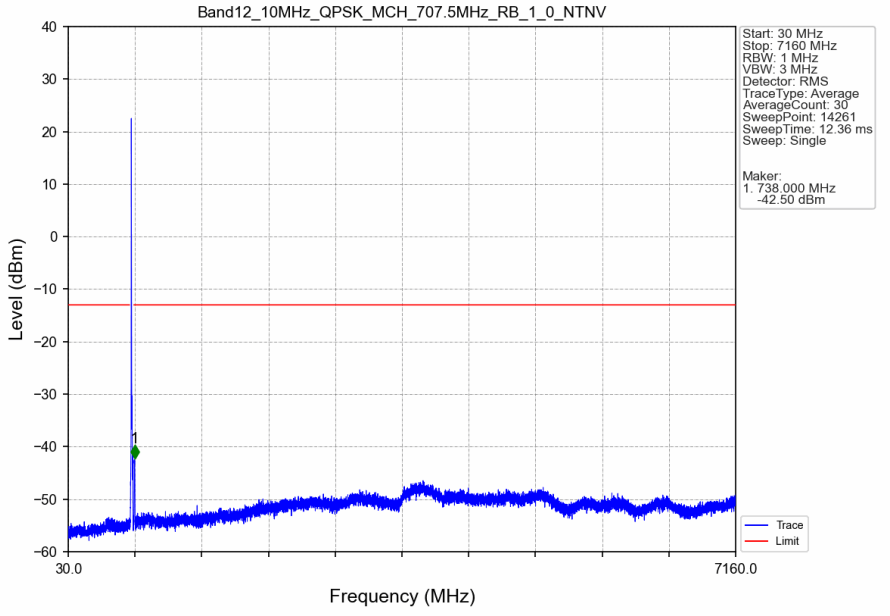


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

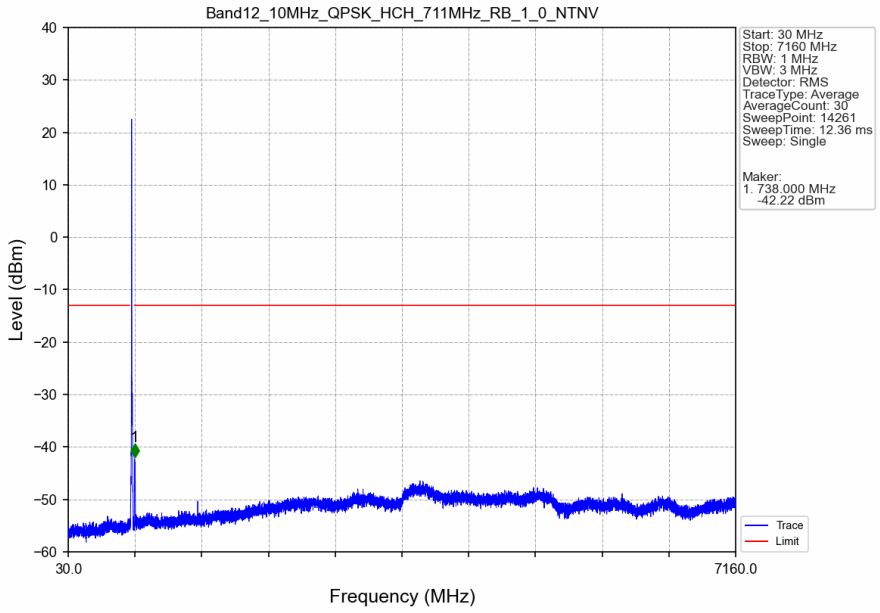


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-38.15	-13	Pass
698.9	699	0.03	/	2	698.992	-39.47	-13	Pass
699	709	0.03	/	/	/	/	/	/

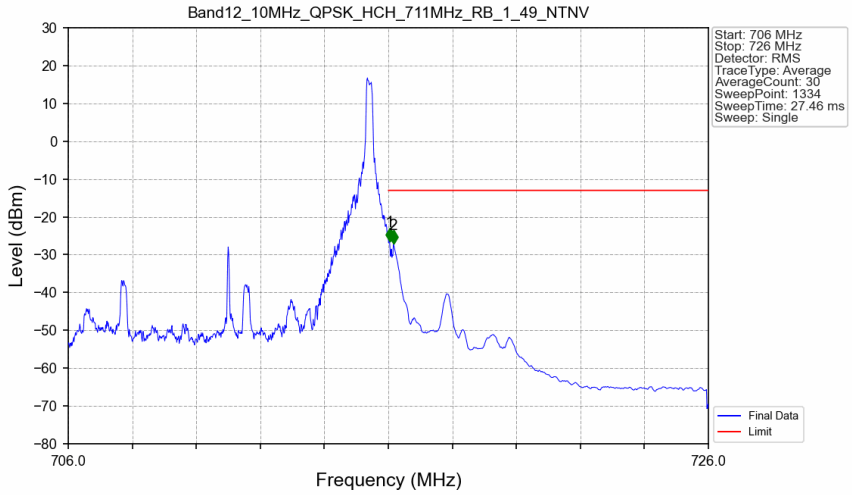
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

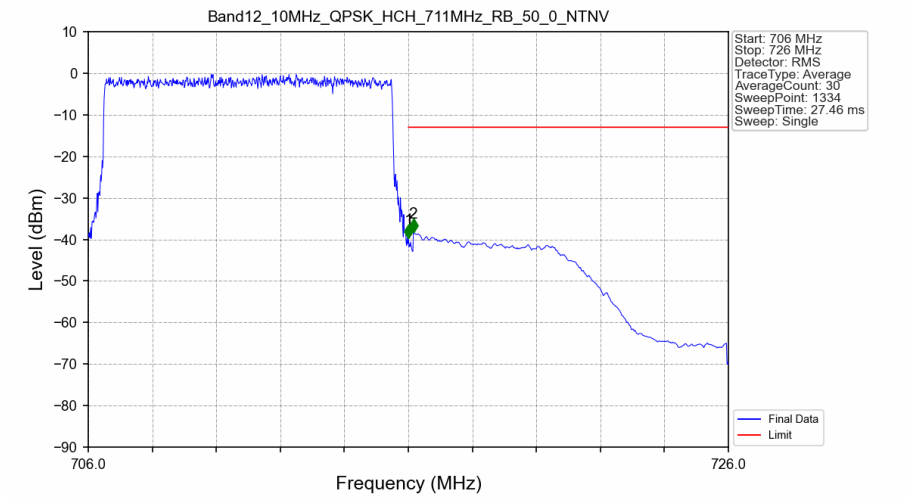


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	716.038	-26.34	-13	Pass
716.1	726	0.1	CHP	2	716.158	-26.99	-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	-39.74	-13	Pass
716.1	726	0.1	CHP	2	716.158	-38.14	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 12 ANT31-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	-68.95	-13	-55.95	-71.72	2.47	5.24	Horizontal	Pass
2098.5	-69.08	-13	-56.08	-71.15	2.79	4.86	Horizontal	Pass
2798.0	-68.38	-13	-55.38	-71.74	3.12	6.48	Horizontal	Pass
1399.0	-68.75	-13	-55.75	-71.52	2.47	5.24	Vertical	Pass
2098.5	-69.25	-13	-56.25	-71.32	2.79	4.86	Vertical	Pass
2798.0	-68.54	-13	-55.54	-71.9	3.12	6.48	Vertical	Pass

LTE Band 12 ANT31-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	-68.97	-13	-55.97	-71.77	2.48	5.28	Horizontal	Pass
2109.0	-68.74	-13	-55.74	-70.82	2.8	4.88	Horizontal	Pass
2812.0	-68.42	-13	-55.42	-71.81	3.12	6.51	Horizontal	Pass
1406.0	-68.91	-13	-55.91	-71.71	2.48	5.28	Vertical	Pass
2109.0	-69.47	-13	-56.47	-71.55	2.8	4.88	Vertical	Pass
2812.0	-68.1	-13	-55.1	-71.49	3.12	6.51	Vertical	Pass

LTE Band 12 ANT31-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	-69.1	-13	-56.1	-71.94	2.49	5.33	Horizontal	Pass
2119.5	-69.38	-13	-56.38	-71.48	2.81	4.91	Horizontal	Pass
2826.0	-68.02	-13	-55.02	-71.43	3.13	6.54	Horizontal	Pass
1413.0	-69.35	-13	-56.35	-72.19	2.49	5.33	Vertical	Pass
2119.5	-69.47	-13	-56.47	-71.57	2.81	4.91	Vertical	Pass
2826.0	-67.9	-13	-54.9	-71.31	3.13	6.54	Vertical	Pass