

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	19.90	-2.99	14.76	<=34.77	Pass
			2	20.03	-2.99	14.89	<=34.77	Pass
			5	20.07	-2.99	14.93	<=34.77	Pass
		3	0	20.06	-2.99	14.92	<=34.77	Pass
			2	20.11	-2.99	14.97	<=34.77	Pass
			3	20.12	-2.99	14.98	<=34.77	Pass
		6	0	19.12	-2.99	13.98	<=34.77	Pass
	707.5	1	0	20.31	-2.99	15.17	<=34.77	Pass
			2	20.33	-2.99	15.19	<=34.77	Pass
			5	20.33	-2.99	15.19	<=34.77	Pass
		3	0	20.40	-2.99	15.26	<=34.77	Pass
			2	20.41	-2.99	15.27	<=34.77	Pass
			3	20.41	-2.99	15.27	<=34.77	Pass
		6	0	19.29	-2.99	14.15	<=34.77	Pass
	715.3	1	0	20.34	-2.99	15.20	<=34.77	Pass
			2	20.34	-2.99	15.20	<=34.77	Pass
			5	20.30	-2.99	15.16	<=34.77	Pass
		3	0	20.42	-2.99	15.28	<=34.77	Pass
			2	20.43	-2.99	15.29	<=34.77	Pass
			3	20.43	-2.99	15.29	<=34.77	Pass
		6	0	19.35	-2.99	14.21	<=34.77	Pass
16QAM	699.7	1	0	18.96	-2.99	13.82	<=34.77	Pass
			2	19.18	-2.99	14.04	<=34.77	Pass
			5	19.31	-2.99	14.17	<=34.77	Pass
		3	0	18.99	-2.99	13.85	<=34.77	Pass
			2	19.08	-2.99	13.94	<=34.77	Pass
			3	19.07	-2.99	13.93	<=34.77	Pass
		6	0	18.32	-2.99	13.18	<=34.77	Pass
	707.5	1	0	19.59	-2.99	14.45	<=34.77	Pass
			2	19.69	-2.99	14.55	<=34.77	Pass
			5	19.55	-2.99	14.41	<=34.77	Pass
		3	0	19.28	-2.99	14.14	<=34.77	Pass
			2	19.41	-2.99	14.27	<=34.77	Pass
			3	19.45	-2.99	14.31	<=34.77	Pass
		6	0	18.64	-2.99	13.50	<=34.77	Pass
	715.3	1	0	19.56	-2.99	14.42	<=34.77	Pass
			2	19.65	-2.99	14.51	<=34.77	Pass
			5	19.52	-2.99	14.38	<=34.77	Pass
		3	0	19.43	-2.99	14.29	<=34.77	Pass
			2	19.42	-2.99	14.28	<=34.77	Pass
			3	19.47	-2.99	14.33	<=34.77	Pass
		6	0	18.57	-2.99	13.43	<=34.77	Pass
64QAM	699.7	1	0	18.17	-2.99	13.03	<=34.77	Pass
			2	18.30	-2.99	13.16	<=34.77	Pass
			5	18.27	-2.99	13.13	<=34.77	Pass
		3	0	18.28	-2.99	13.14	<=34.77	Pass

	707.5	6	2	18.27	-2.99	13.13	<=34.77	Pass
			3	18.36	-2.99	13.22	<=34.77	Pass
		1	0	17.17	-2.99	12.03	<=34.77	Pass
			0	18.46	-2.99	13.32	<=34.77	Pass
			2	18.61	-2.99	13.47	<=34.77	Pass
		3	5	18.61	-2.99	13.47	<=34.77	Pass
			0	18.56	-2.99	13.42	<=34.77	Pass
			2	18.54	-2.99	13.40	<=34.77	Pass
	715.3	6	3	18.57	-2.99	13.43	<=34.77	Pass
			0	17.61	-2.99	12.47	<=34.77	Pass
		1	0	18.31	-2.99	13.17	<=34.77	Pass
			2	18.49	-2.99	13.35	<=34.77	Pass
			5	18.61	-2.99	13.47	<=34.77	Pass
		3	0	18.61	-2.99	13.47	<=34.77	Pass
			2	18.64	-2.99	13.50	<=34.77	Pass
			3	18.60	-2.99	13.46	<=34.77	Pass
		6	0	17.62	-2.99	12.48	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	19.79	-2.99	14.65	<=34.77	Pass
			7	20.14	-2.99	15.00	<=34.77	Pass
			14	20.22	-2.99	15.08	<=34.77	Pass
		8	0	19.07	-2.99	13.93	<=34.77	Pass
			4	19.29	-2.99	14.15	<=34.77	Pass
			7	19.34	-2.99	14.20	<=34.77	Pass
		15	0	19.21	-2.99	14.07	<=34.77	Pass
	707.5	1	0	20.24	-2.99	15.10	<=34.77	Pass
			7	20.27	-2.99	15.13	<=34.77	Pass
			14	20.29	-2.99	15.15	<=34.77	Pass
		8	0	19.43	-2.99	14.29	<=34.77	Pass
			4	19.50	-2.99	14.36	<=34.77	Pass
			7	19.45	-2.99	14.31	<=34.77	Pass
		15	0	19.35	-2.99	14.21	<=34.77	Pass
	714.5	1	0	20.29	-2.99	15.15	<=34.77	Pass
			7	20.37	-2.99	15.23	<=34.77	Pass
			14	20.26	-2.99	15.12	<=34.77	Pass
		8	0	19.45	-2.99	14.31	<=34.77	Pass
			4	19.50	-2.99	14.36	<=34.77	Pass
			7	19.45	-2.99	14.31	<=34.77	Pass
		15	0	19.44	-2.99	14.30	<=34.77	Pass
16QAM	700.5	1	0	18.84	-2.99	13.70	<=34.77	Pass
			7	19.45	-2.99	14.31	<=34.77	Pass
			14	19.52	-2.99	14.38	<=34.77	Pass
		8	0	18.21	-2.99	13.07	<=34.77	Pass
			4	18.43	-2.99	13.29	<=34.77	Pass
			7	18.46	-2.99	13.32	<=34.77	Pass
		15	0	18.26	-2.99	13.12	<=34.77	Pass
	707.5	1	0	19.51	-2.99	14.37	<=34.77	Pass
			7	19.55	-2.99	14.41	<=34.77	Pass

64QAM	714.5	8	14	19.53	-2.99	14.39	<=34.77	Pass
			0	18.50	-2.99	13.36	<=34.77	Pass
			4	18.55	-2.99	13.41	<=34.77	Pass
			7	18.47	-2.99	13.33	<=34.77	Pass
		15	0	18.45	-2.99	13.31	<=34.77	Pass
			0	19.48	-2.99	14.34	<=34.77	Pass
			7	19.69	-2.99	14.55	<=34.77	Pass
			14	19.38	-2.99	14.24	<=34.77	Pass
		8	0	18.53	-2.99	13.39	<=34.77	Pass
			4	18.57	-2.99	13.43	<=34.77	Pass
			7	18.52	-2.99	13.38	<=34.77	Pass
			15	18.41	-2.99	13.27	<=34.77	Pass
	700.5	1	0	18.01	-2.99	12.87	<=34.77	Pass
			7	18.42	-2.99	13.28	<=34.77	Pass
			14	18.48	-2.99	13.34	<=34.77	Pass
			0	17.20	-2.99	12.06	<=34.77	Pass
		8	4	17.37	-2.99	12.23	<=34.77	Pass
			7	17.46	-2.99	12.32	<=34.77	Pass
			15	17.28	-2.99	12.14	<=34.77	Pass
			0	18.54	-2.99	13.40	<=34.77	Pass
		1	7	18.52	-2.99	13.38	<=34.77	Pass
			14	18.55	-2.99	13.41	<=34.77	Pass
			0	17.53	-2.99	12.39	<=34.77	Pass
			4	17.60	-2.99	12.46	<=34.77	Pass
	707.5	8	7	17.57	-2.99	12.43	<=34.77	Pass
			15	17.47	-2.99	12.33	<=34.77	Pass
		1	0	18.22	-2.99	13.08	<=34.77	Pass
			7	18.60	-2.99	13.46	<=34.77	Pass
			14	18.41	-2.99	13.27	<=34.77	Pass
			0	17.50	-2.99	12.36	<=34.77	Pass
		8	4	17.59	-2.99	12.45	<=34.77	Pass
			7	17.57	-2.99	12.43	<=34.77	Pass
			15	17.54	-2.99	12.40	<=34.77	Pass
			0	17.54	-2.99	12.40	<=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	20.02	-2.99	14.88	<=34.77	Pass
			13	20.60	-2.99	15.46	<=34.77	Pass
			24	20.48	-2.99	15.34	<=34.77	Pass
		12	0	19.18	-2.99	14.04	<=34.77	Pass
			6	19.51	-2.99	14.37	<=34.77	Pass
			13	19.46	-2.99	14.32	<=34.77	Pass
		25	0	19.37	-2.99	14.23	<=34.77	Pass
			0	20.46	-2.99	15.32	<=34.77	Pass
			13	20.59	-2.99	15.45	<=34.77	Pass
	707.5	1	24	20.57	-2.99	15.43	<=34.77	Pass
			0	19.46	-2.99	14.32	<=34.77	Pass
			6	19.59	-2.99	14.45	<=34.77	Pass
		12	13	19.53	-2.99	14.39	<=34.77	Pass
			0	19.53	-2.99	14.39	<=34.77	Pass
			0	19.53	-2.99	14.39	<=34.77	Pass
		25	0	19.53	-2.99	14.39	<=34.77	Pass

	713.5	1	0	20.54	-2.99	15.40	<=34.77	Pass
			13	20.60	-2.99	15.46	<=34.77	Pass
			24	20.49	-2.99	15.35	<=34.77	Pass
		12	0	19.58	-2.99	14.44	<=34.77	Pass
			6	19.61	-2.99	14.47	<=34.77	Pass
			13	19.52	-2.99	14.38	<=34.77	Pass
		25	0	19.56	-2.99	14.42	<=34.77	Pass
16QAM	701.5	1	0	19.46	-2.99	14.32	<=34.77	Pass
			13	19.82	-2.99	14.68	<=34.77	Pass
			24	19.65	-2.99	14.51	<=34.77	Pass
		12	0	18.10	-2.99	12.96	<=34.77	Pass
			6	18.57	-2.99	13.43	<=34.77	Pass
			13	18.48	-2.99	13.34	<=34.77	Pass
		25	0	18.45	-2.99	13.31	<=34.77	Pass
	707.5	1	0	19.80	-2.99	14.66	<=34.77	Pass
			13	19.78	-2.99	14.64	<=34.77	Pass
			24	19.72	-2.99	14.58	<=34.77	Pass
		12	0	18.44	-2.99	13.30	<=34.77	Pass
			6	18.50	-2.99	13.36	<=34.77	Pass
			13	18.55	-2.99	13.41	<=34.77	Pass
		25	0	18.50	-2.99	13.36	<=34.77	Pass
	713.5	1	0	19.70	-2.99	14.56	<=34.77	Pass
			13	19.89	-2.99	14.75	<=34.77	Pass
			24	19.66	-2.99	14.52	<=34.77	Pass
		12	0	18.58	-2.99	13.44	<=34.77	Pass
			6	18.49	-2.99	13.35	<=34.77	Pass
			13	18.39	-2.99	13.25	<=34.77	Pass
		25	0	18.52	-2.99	13.38	<=34.77	Pass
64QAM	701.5	1	0	18.27	-2.99	13.13	<=34.77	Pass
			13	18.69	-2.99	13.55	<=34.77	Pass
			24	18.73	-2.99	13.59	<=34.77	Pass
		12	0	17.27	-2.99	12.13	<=34.77	Pass
			6	17.62	-2.99	12.48	<=34.77	Pass
			13	17.63	-2.99	12.49	<=34.77	Pass
		25	0	17.42	-2.99	12.28	<=34.77	Pass
	707.5	1	0	18.55	-2.99	13.41	<=34.77	Pass
			13	18.55	-2.99	13.41	<=34.77	Pass
			24	18.71	-2.99	13.57	<=34.77	Pass
		12	0	17.58	-2.99	12.44	<=34.77	Pass
			6	17.64	-2.99	12.50	<=34.77	Pass
			13	17.66	-2.99	12.52	<=34.77	Pass
		25	0	17.63	-2.99	12.49	<=34.77	Pass
	713.5	1	0	18.65	-2.99	13.51	<=34.77	Pass
			13	18.65	-2.99	13.51	<=34.77	Pass
			24	18.63	-2.99	13.49	<=34.77	Pass
		12	0	17.70	-2.99	12.56	<=34.77	Pass
			6	17.61	-2.99	12.47	<=34.77	Pass
			13	17.61	-2.99	12.47	<=34.77	Pass
		25	0	17.62	-2.99	12.48	<=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	20.25	-2.99	15.11	<=34.77	Pass
			25	20.64	-2.99	15.50	<=34.77	Pass
			49	20.60	-2.99	15.46	<=34.77	Pass
		25	0	19.31	-2.99	14.17	<=34.77	Pass
			13	19.57	-2.99	14.43	<=34.77	Pass
			25	19.56	-2.99	14.42	<=34.77	Pass
		50	0	19.47	-2.99	14.33	<=34.77	Pass
	707.5	1	0	20.61	-2.99	15.47	<=34.77	Pass
			25	20.45	-2.99	15.31	<=34.77	Pass
			49	20.56	-2.99	15.42	<=34.77	Pass
		25	0	19.51	-2.99	14.37	<=34.77	Pass
			13	19.60	-2.99	14.46	<=34.77	Pass
			25	19.47	-2.99	14.33	<=34.77	Pass
		50	0	19.58	-2.99	14.44	<=34.77	Pass
	711	1	0	20.60	-2.99	15.46	<=34.77	Pass
			25	20.67	-2.99	15.53	<=34.77	Pass
			49	20.57	-2.99	15.43	<=34.77	Pass
		25	0	19.55	-2.99	14.41	<=34.77	Pass
			13	19.66	-2.99	14.52	<=34.77	Pass
			25	19.54	-2.99	14.40	<=34.77	Pass
16QAM	704	1	0	19.57	-2.99	14.43	<=34.77	Pass
			25	19.58	-2.99	14.44	<=34.77	Pass
			49	19.91	-2.99	14.77	<=34.77	Pass
		25	0	19.87	-2.99	14.73	<=34.77	Pass
			13	18.38	-2.99	13.24	<=34.77	Pass
			25	18.60	-2.99	13.46	<=34.77	Pass
		50	0	18.56	-2.99	13.42	<=34.77	Pass
	707.5	1	0	18.43	-2.99	13.29	<=34.77	Pass
			25	19.86	-2.99	14.72	<=34.77	Pass
			49	19.65	-2.99	14.51	<=34.77	Pass
		25	0	19.87	-2.99	14.73	<=34.77	Pass
			13	18.52	-2.99	13.38	<=34.77	Pass
			25	18.57	-2.99	13.43	<=34.77	Pass
		50	0	18.61	-2.99	13.47	<=34.77	Pass
	711	1	0	18.58	-2.99	13.44	<=34.77	Pass
			25	18.58	-2.99	13.44	<=34.77	Pass
			49	18.58	-2.99	13.44	<=34.77	Pass
		25	0	18.58	-2.99	13.44	<=34.77	Pass
			13	18.58	-2.99	13.44	<=34.77	Pass
			25	18.38	-2.99	13.24	<=34.77	Pass
64QAM	704	1	0	18.57	-2.99	13.43	<=34.77	Pass
			25	18.48	-2.99	13.34	<=34.77	Pass
			49	18.82	-2.99	13.68	<=34.77	Pass
		25	0	18.68	-2.99	13.54	<=34.77	Pass
			13	17.41	-2.99	12.27	<=34.77	Pass
			25	17.69	-2.99	12.55	<=34.77	Pass
		50	0	17.63	-2.99	12.49	<=34.77	Pass
	707.5	1	0	17.40	-2.99	12.26	<=34.77	Pass
			25	18.73	-2.99	13.59	<=34.77	Pass
			49	18.69	-2.99	13.55	<=34.77	Pass
		25	0	18.73	-2.99	13.59	<=34.77	Pass
			13	18.69	-2.99	13.55	<=34.77	Pass
			25	18.69	-2.99	13.55	<=34.77	Pass

		25	49	18.84	-2.99	13.70	<=34.77	Pass
			0	17.62	-2.99	12.48	<=34.77	Pass
			13	17.51	-2.99	12.37	<=34.77	Pass
			25	17.67	-2.99	12.53	<=34.77	Pass
	711	50	0	17.64	-2.99	12.50	<=34.77	Pass
			0	18.69	-2.99	13.55	<=34.77	Pass
			25	18.84	-2.99	13.70	<=34.77	Pass
		1	49	18.65	-2.99	13.51	<=34.77	Pass
			0	17.65	-2.99	12.51	<=34.77	Pass
			13	17.74	-2.99	12.60	<=34.77	Pass
		25	25	17.60	-2.99	12.46	<=34.77	Pass
			0	17.67	-2.99	12.53	<=34.77	Pass
			0	17.67	-2.99	12.53	<=34.77	Pass
			0	17.67	-2.99	12.53	<=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	-2.900	-0.0041	-2.5 to 2.5	Pass
					NV	-4.900	-0.0069	-2.5 to 2.5	Pass
					HV	-4.100	-0.0058	-2.5 to 2.5	Pass
				-30	NV	-5.600	-0.0079	-2.5 to 2.5	Pass
				-20	NV	-2.400	-0.0034	-2.5 to 2.5	Pass
				-10	NV	-1.200	-0.0017	-2.5 to 2.5	Pass
				0	NV	-5.800	-0.0082	-2.5 to 2.5	Pass
				10	NV	-5.300	-0.0075	-2.5 to 2.5	Pass
				30	NV	-3.400	-0.0048	-2.5 to 2.5	Pass
				40	NV	-2.800	-0.0040	-2.5 to 2.5	Pass
				50	NV	-6.300	-0.0089	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

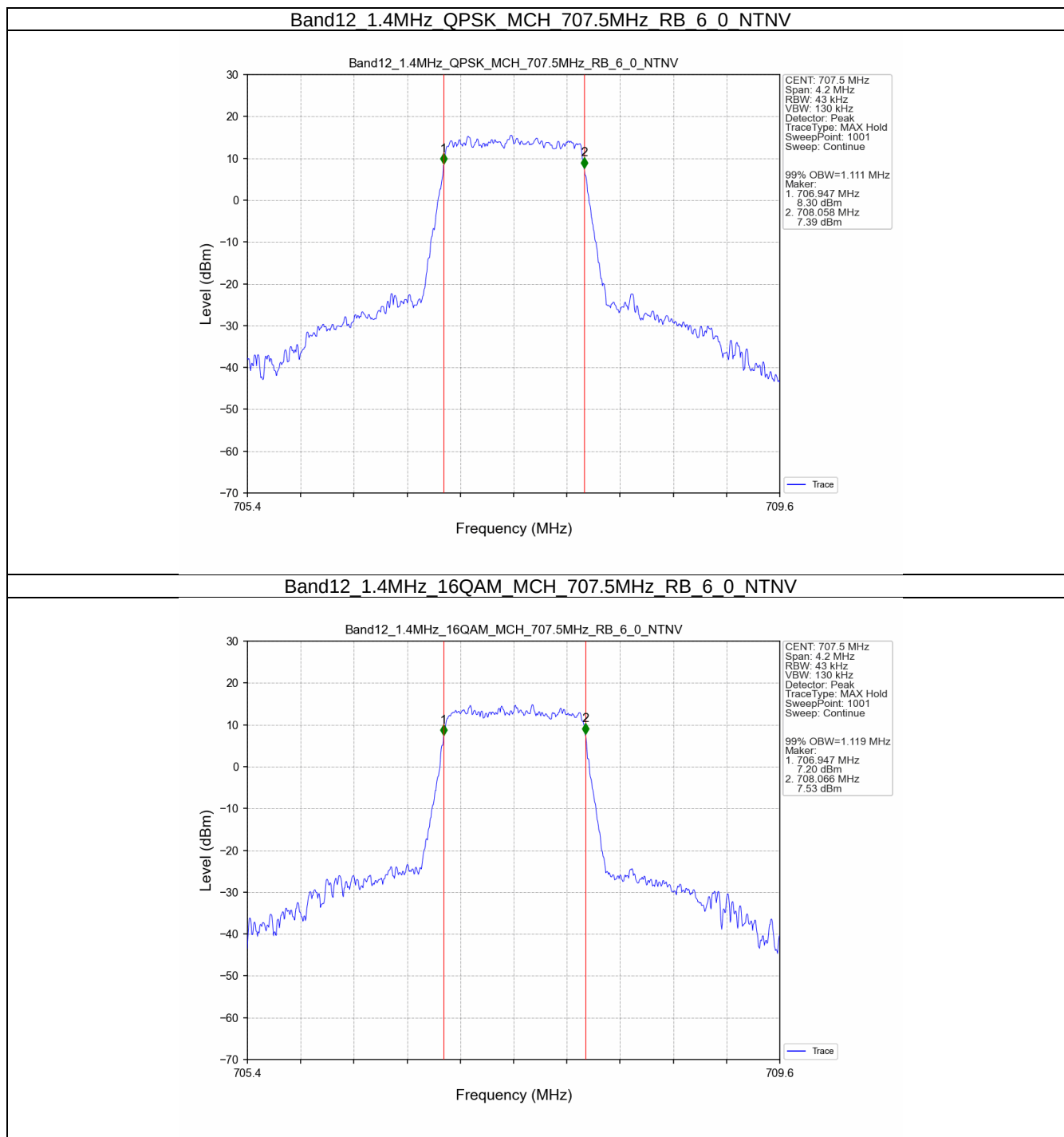
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.111	/	Pass
	16QAM	707.5	6	0	1.119	/	Pass
	64QAM	707.5	6	0	1.116	/	Pass
3	QPSK	707.5	15	0	2.713	/	Pass
	16QAM	707.5	15	0	2.711	/	Pass
	64QAM	707.5	15	0	2.712	/	Pass
5	QPSK	707.5	25	0	4.532	/	Pass
	16QAM	707.5	25	0	4.530	/	Pass
	64QAM	707.5	25	0	4.540	/	Pass
10	QPSK	707.5	50	0	9.078	/	Pass
	16QAM	707.5	50	0	9.010	/	Pass
	64QAM	707.5	50	0	9.041	/	Pass

3.1.2 Band12_XDB

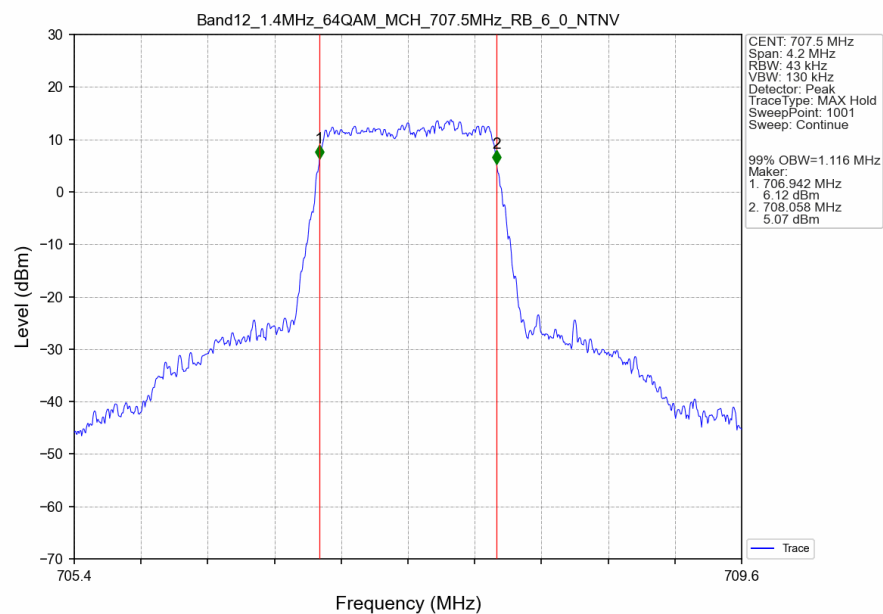
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.307	/	Pass
	16QAM	707.5	6	0	1.303	/	Pass
	64QAM	707.5	6	0	1.299	/	Pass
3	QPSK	707.5	15	0	3.035	/	Pass
	16QAM	707.5	15	0	3.050	/	Pass
	64QAM	707.5	15	0	3.022	/	Pass
5	QPSK	707.5	25	0	5.004	/	Pass
	16QAM	707.5	25	0	5.007	/	Pass
	64QAM	707.5	25	0	4.996	/	Pass
10	QPSK	707.5	50	0	9.854	/	Pass
	16QAM	707.5	50	0	9.838	/	Pass
	64QAM	707.5	50	0	9.888	/	Pass

3.2 Test Graph

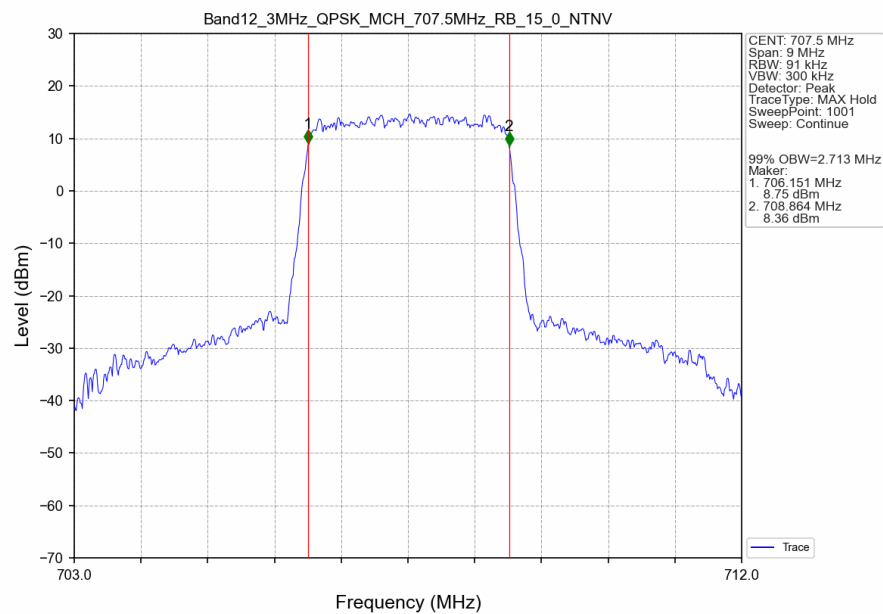
3.2.1 Band12_OBW



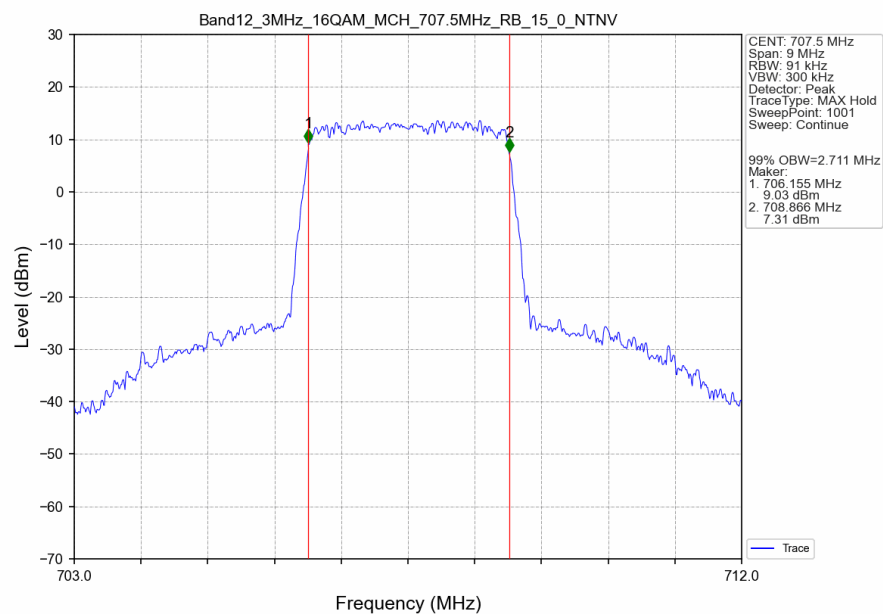
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



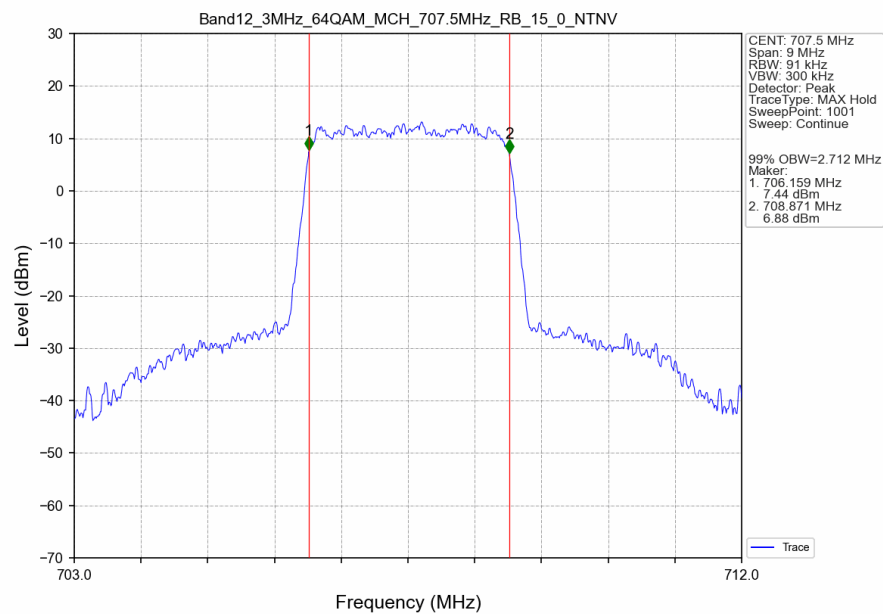
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



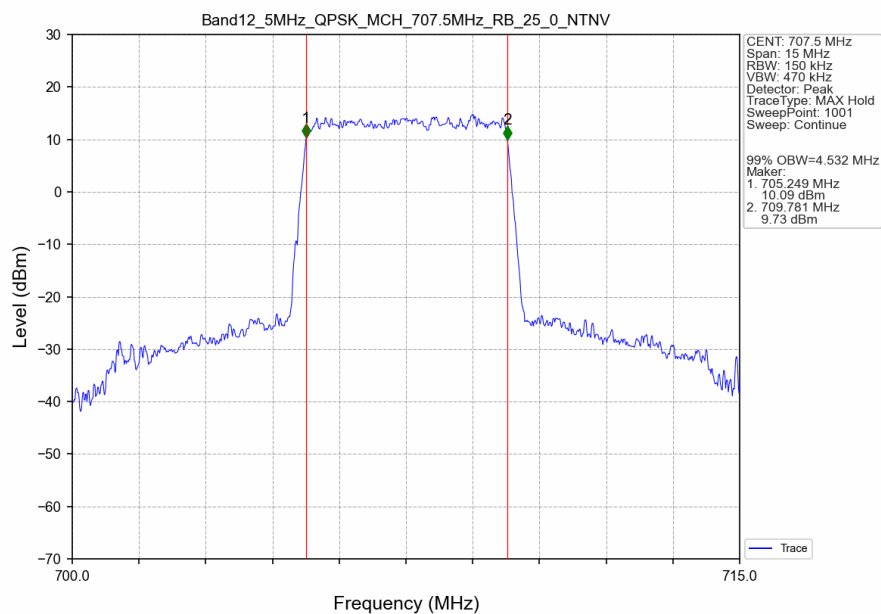
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



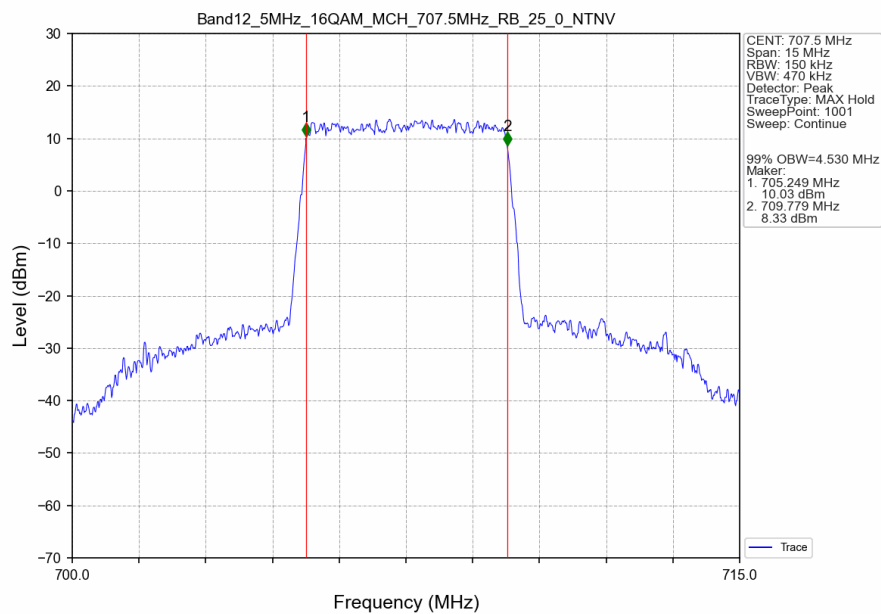
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



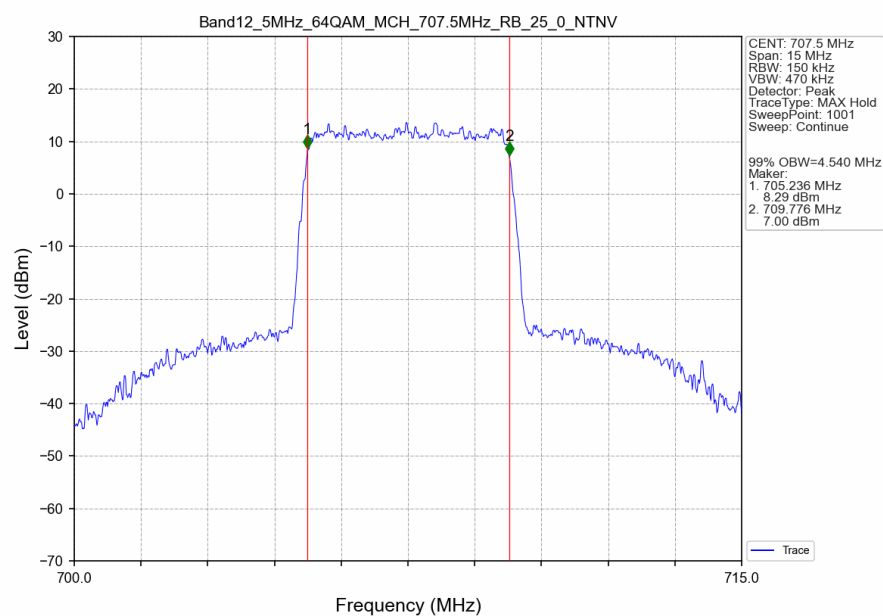
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



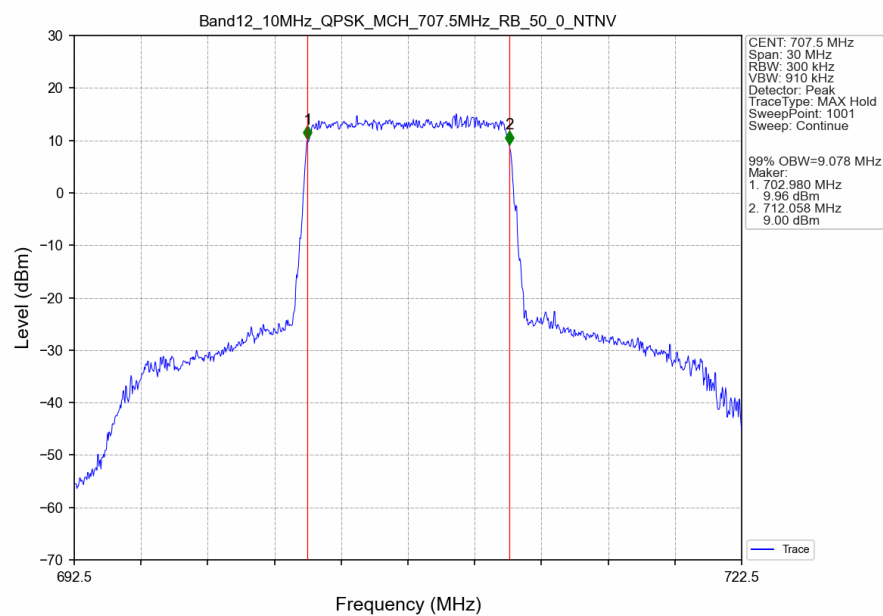
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



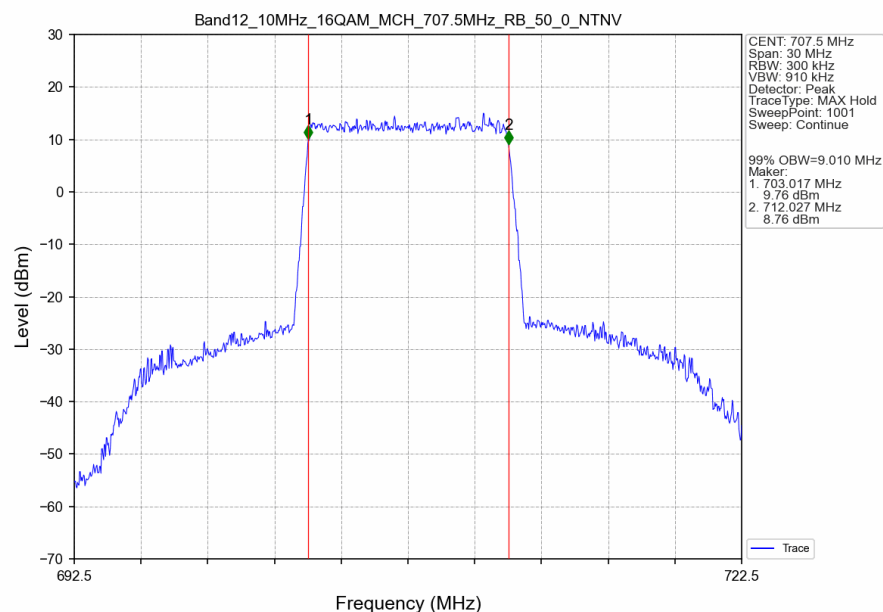
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



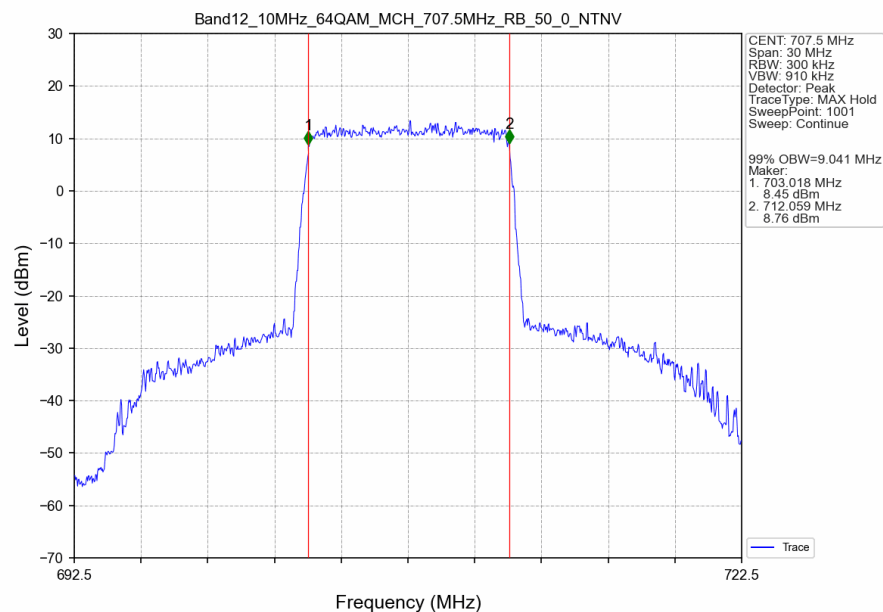
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



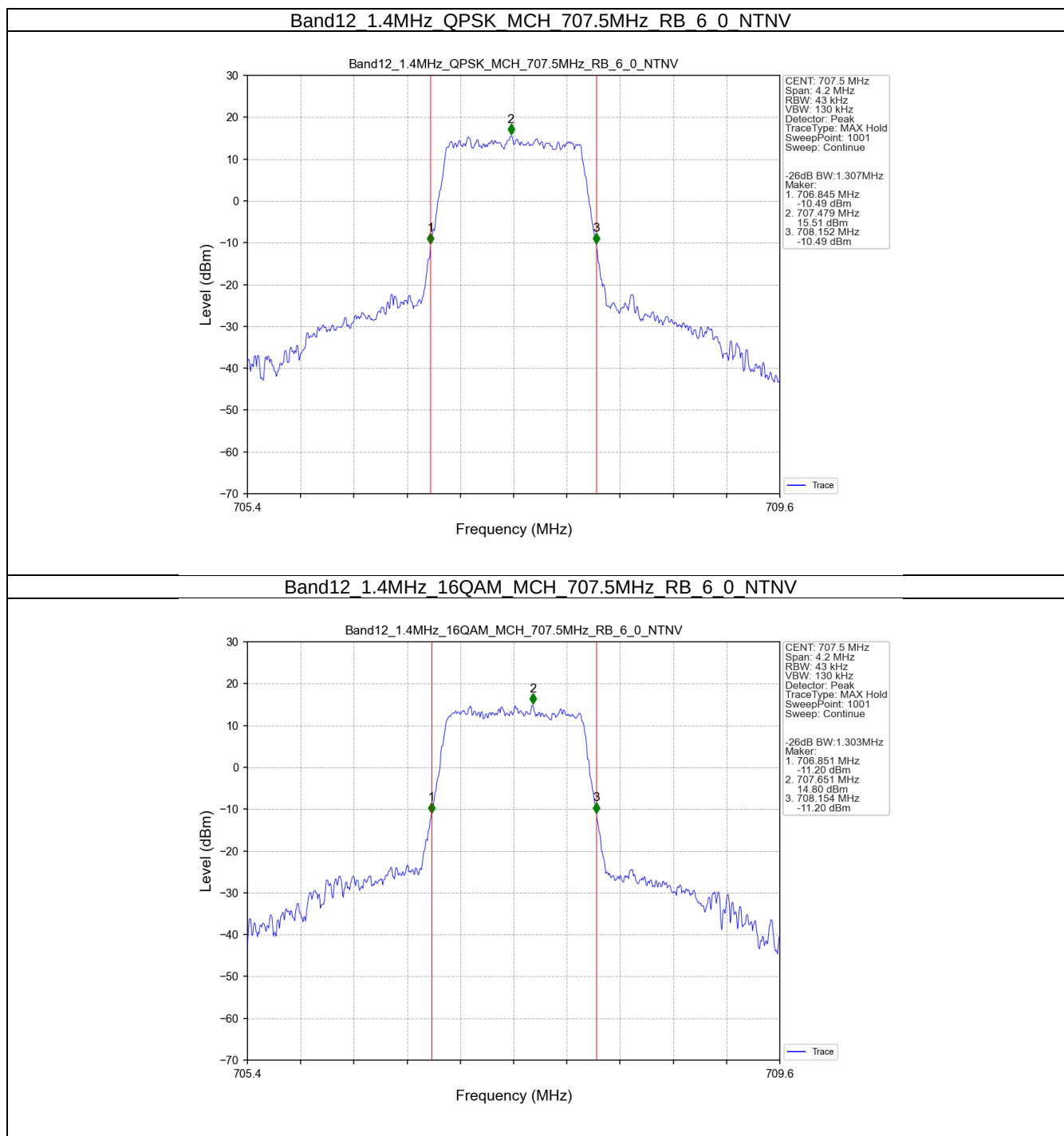
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



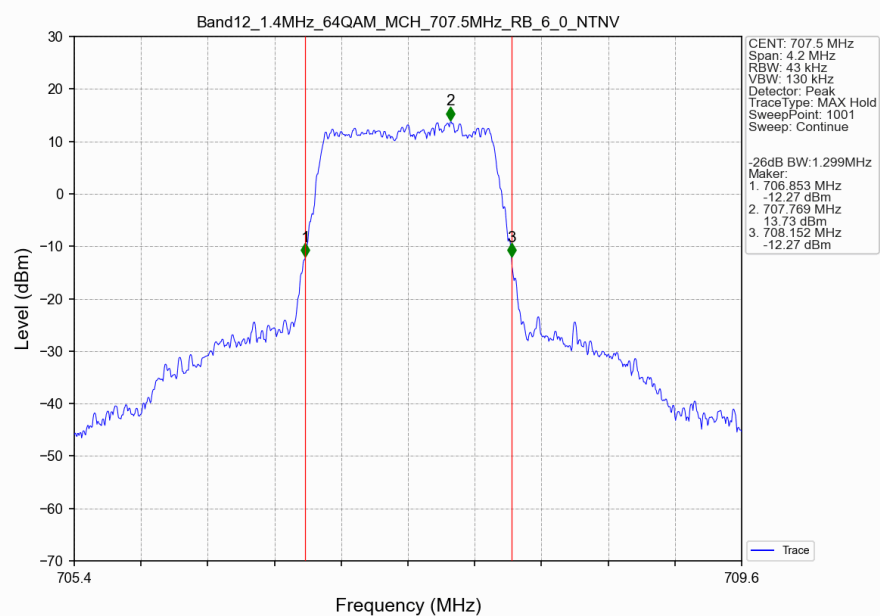
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



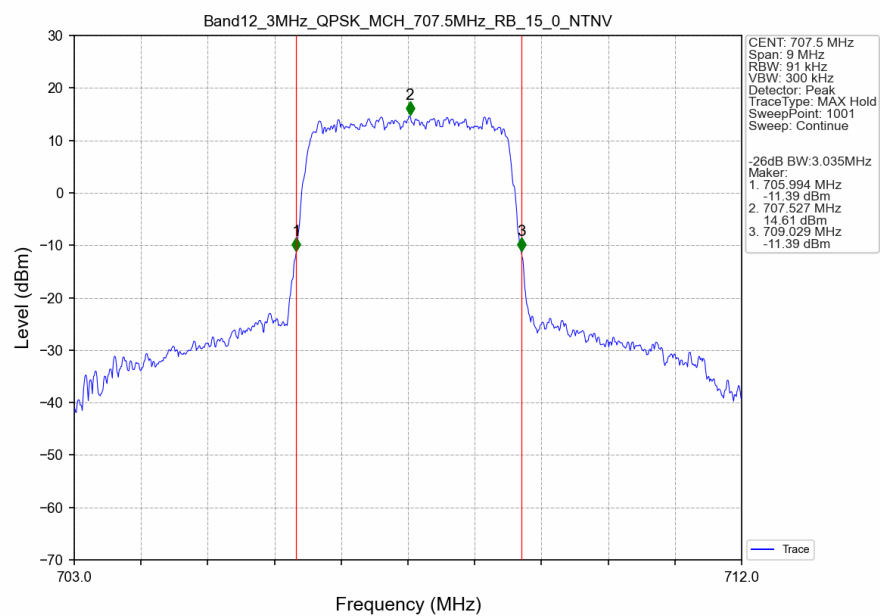
3.2.2 Band12_XDB



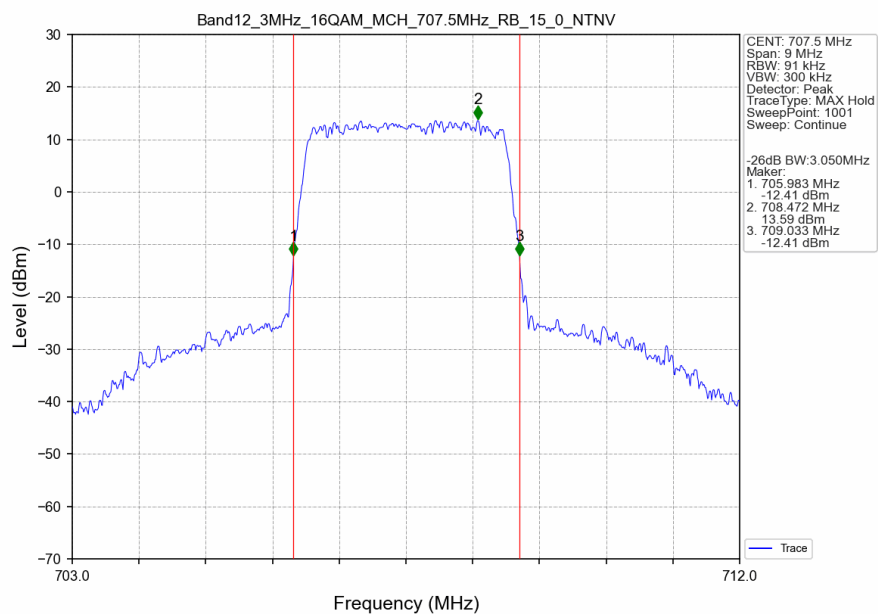
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



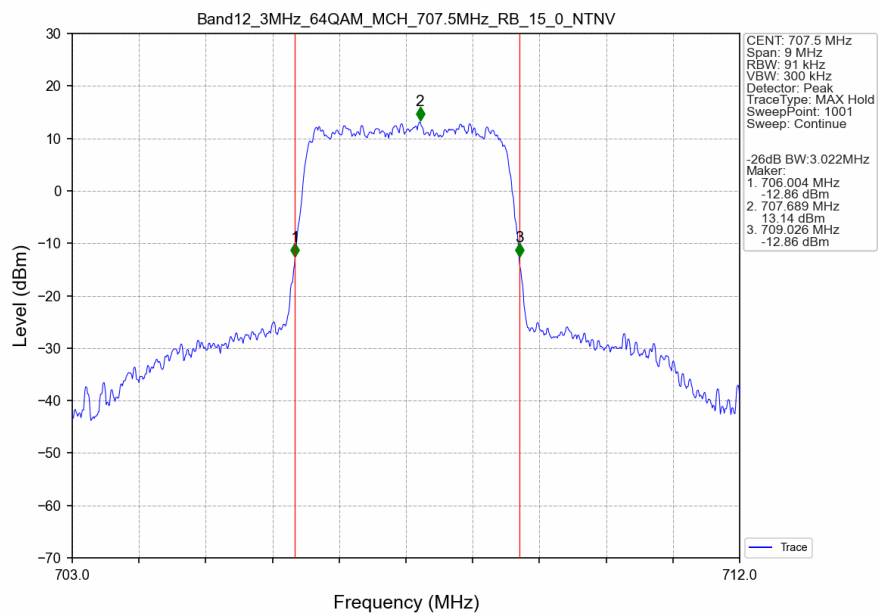
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



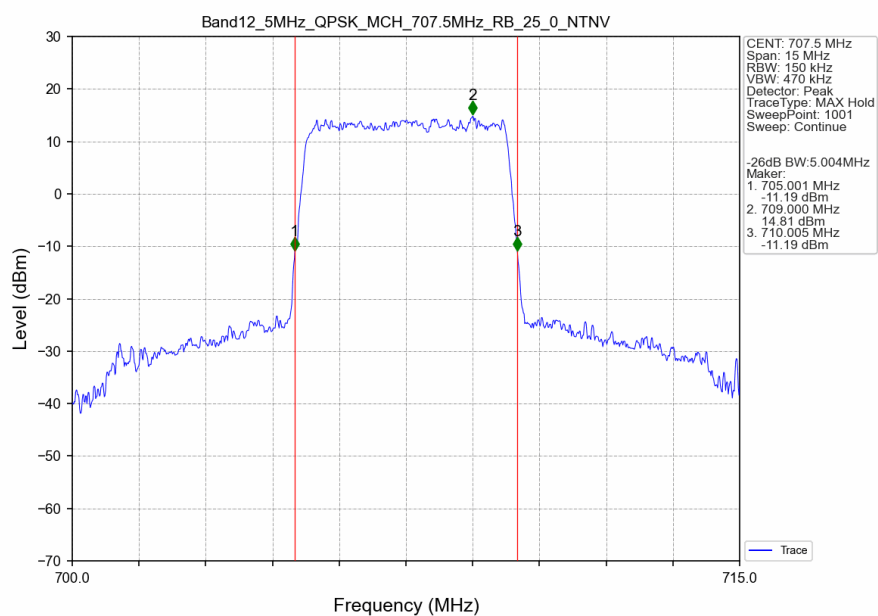
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



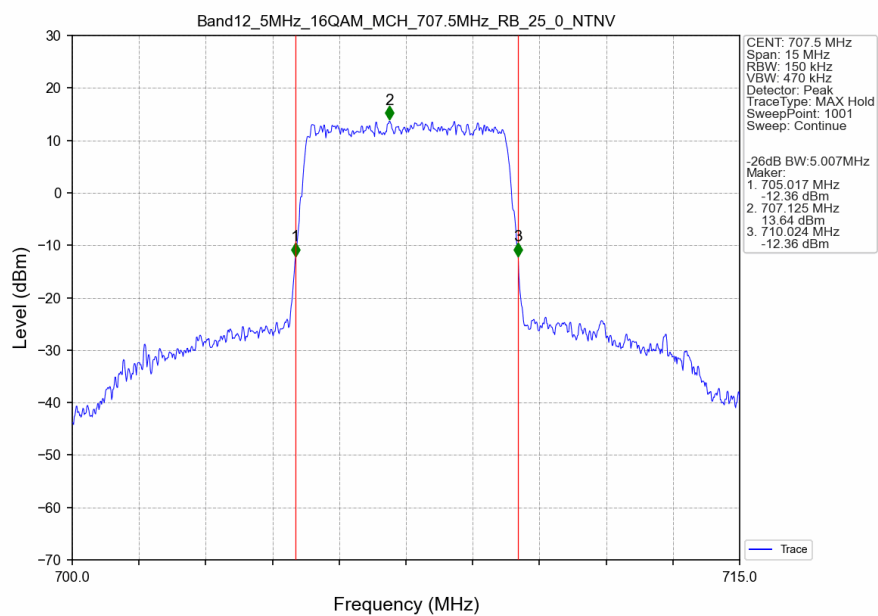
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



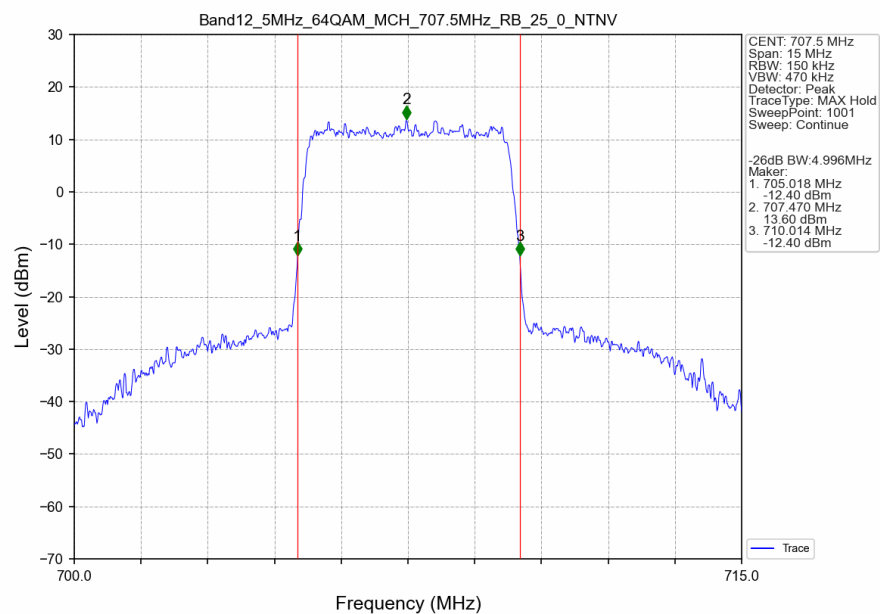
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



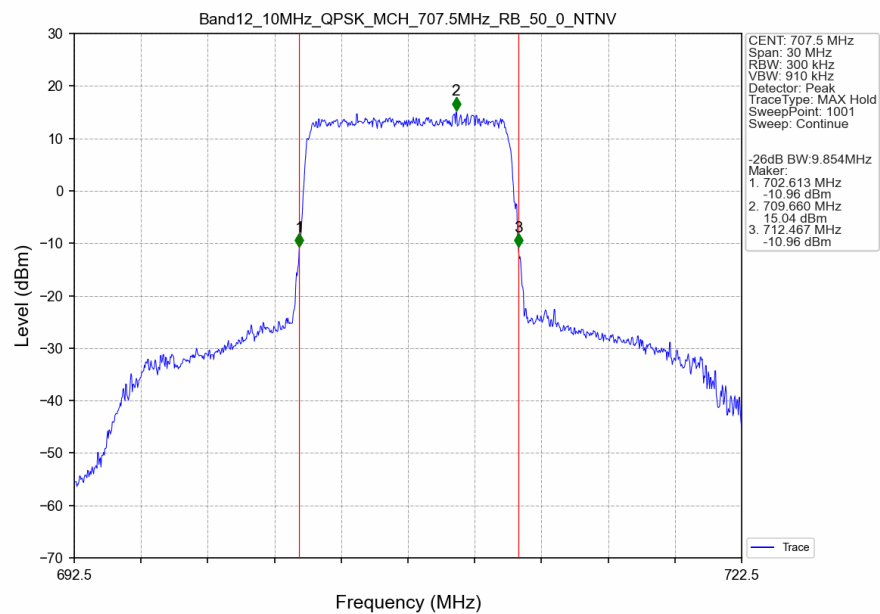
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



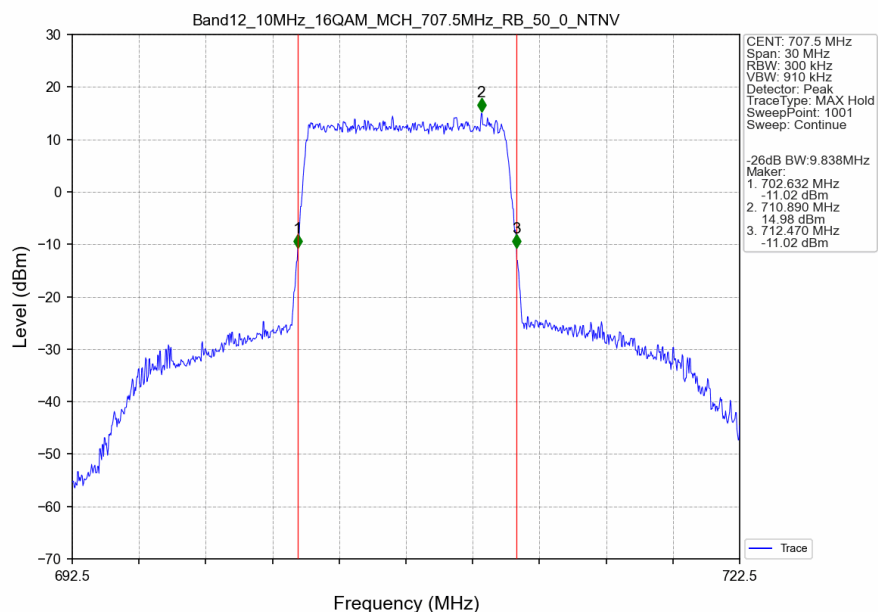
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



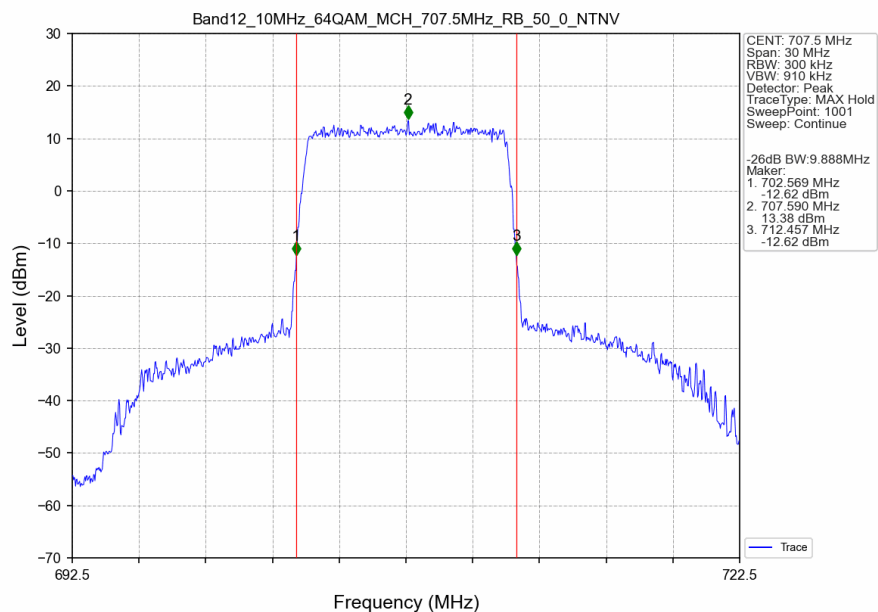
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV





4. Peak-Average Ratio

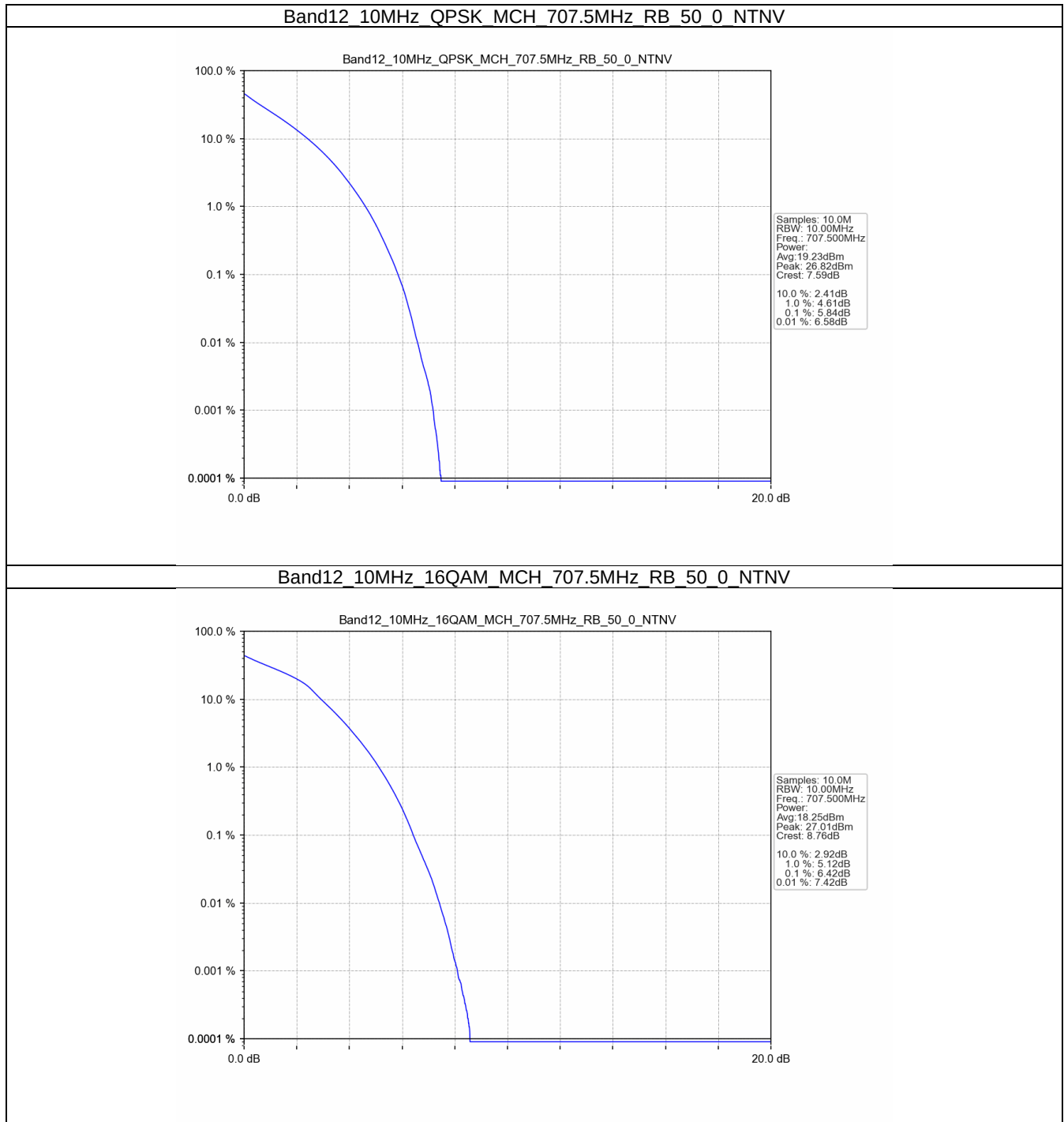
4.1 Test Result

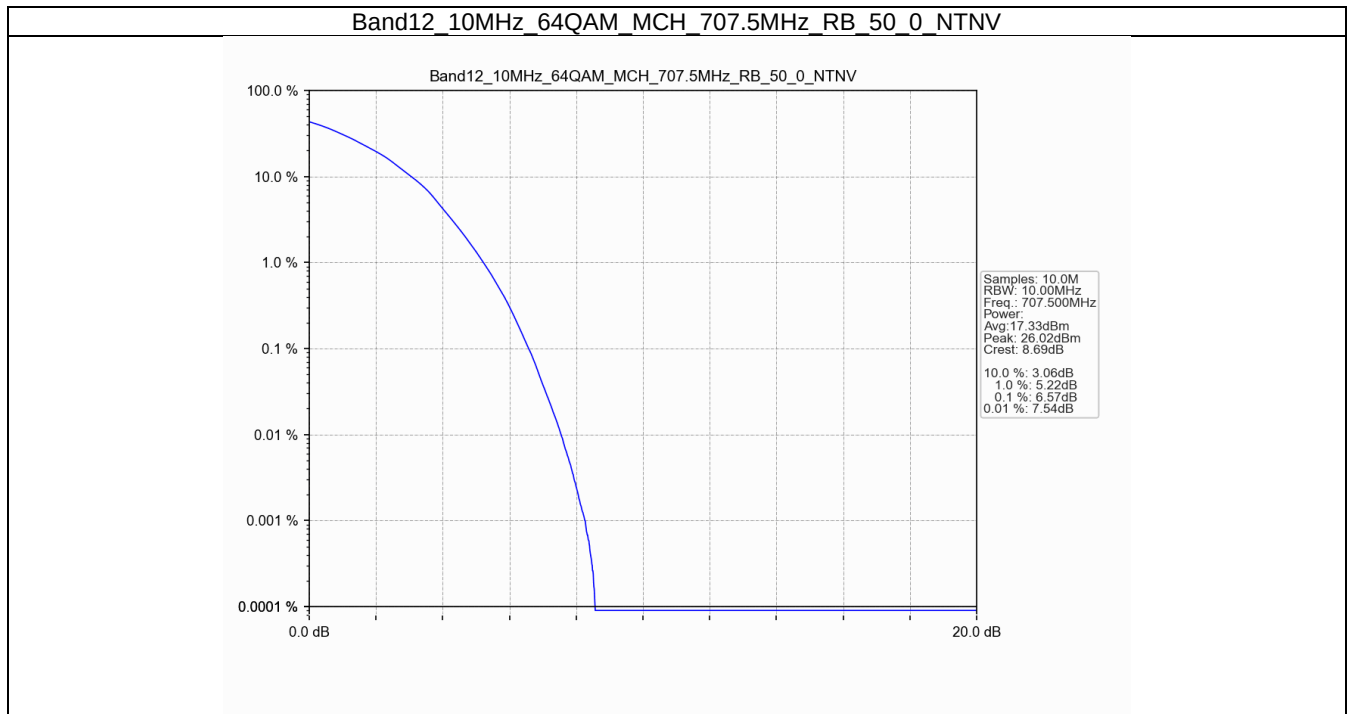
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.84	<=13	Pass
16QAM	707.5	50	0	6.42	<=13	Pass
64QAM	707.5	50	0	6.57	<=13	Pass

4.2 Test Graph

4.2.1 B12_10MHz





5. Spurious Emission

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTV						
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 / NTV						
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 / NTV						
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

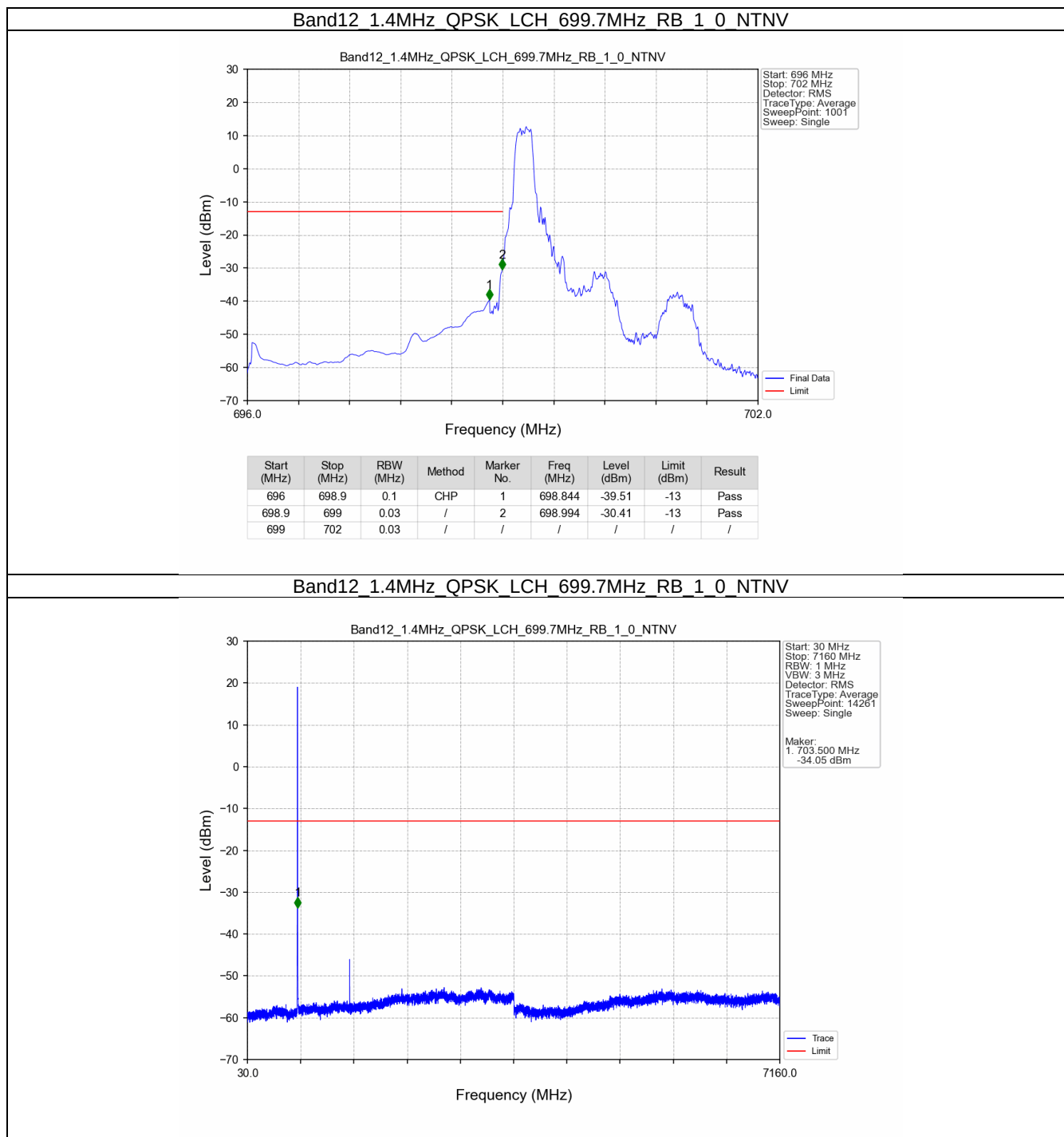


5.1.4 B12_10MHz

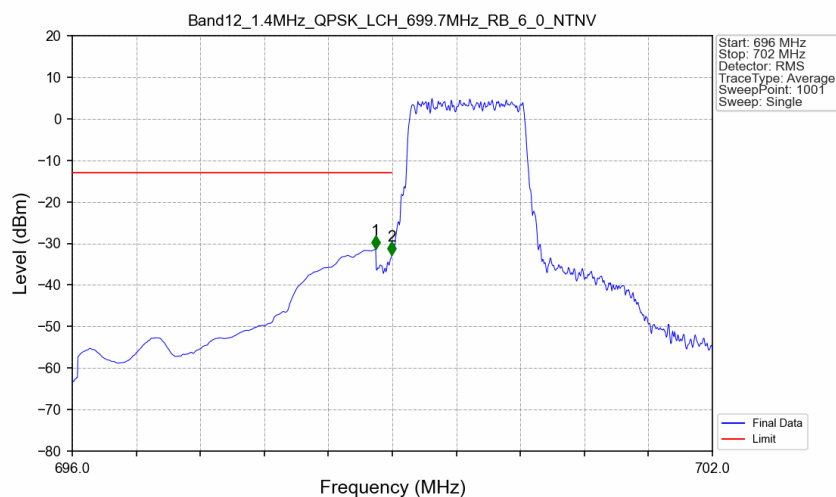
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

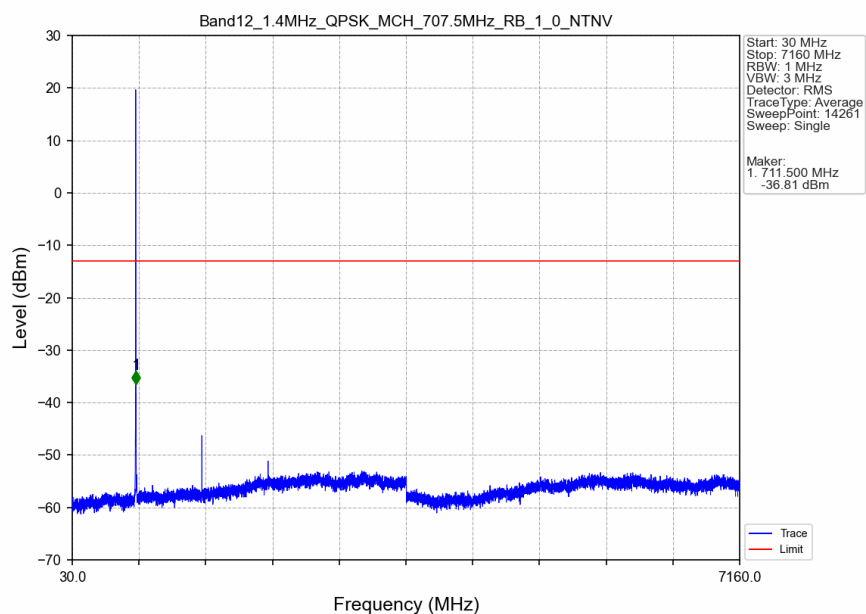
5.2.1 B12_1.4MHz



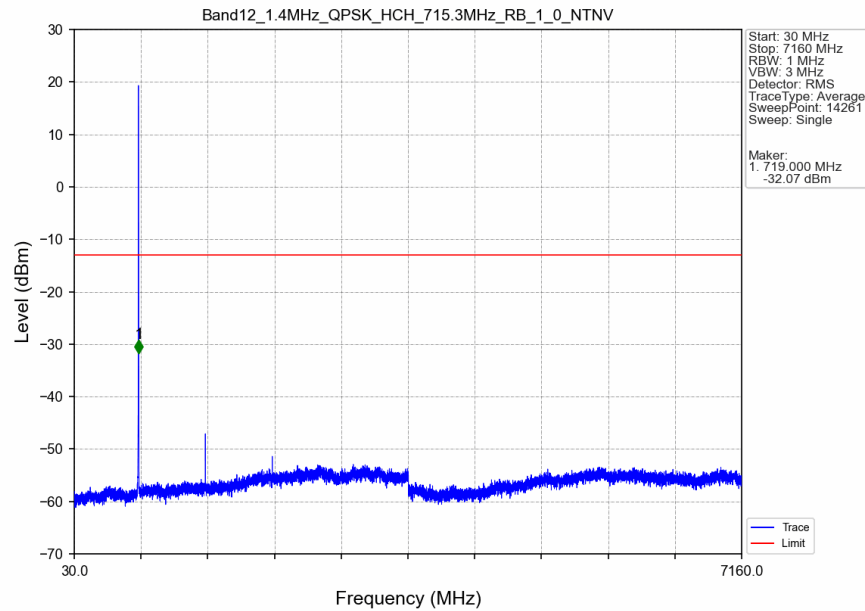
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



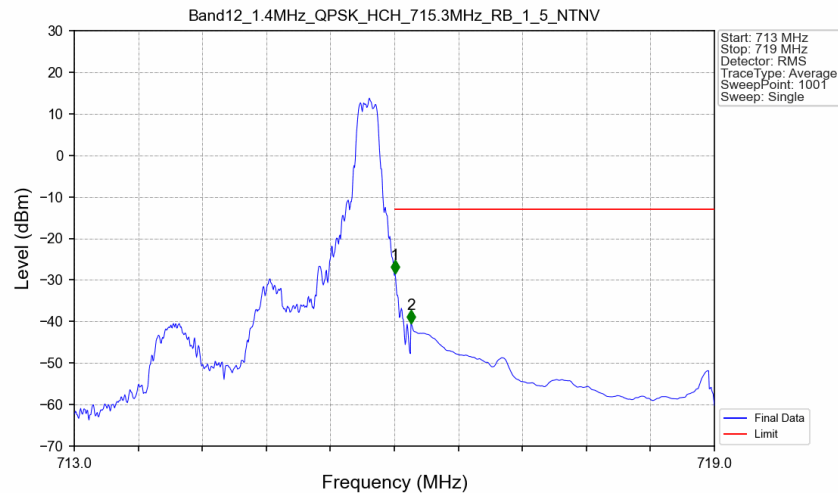
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

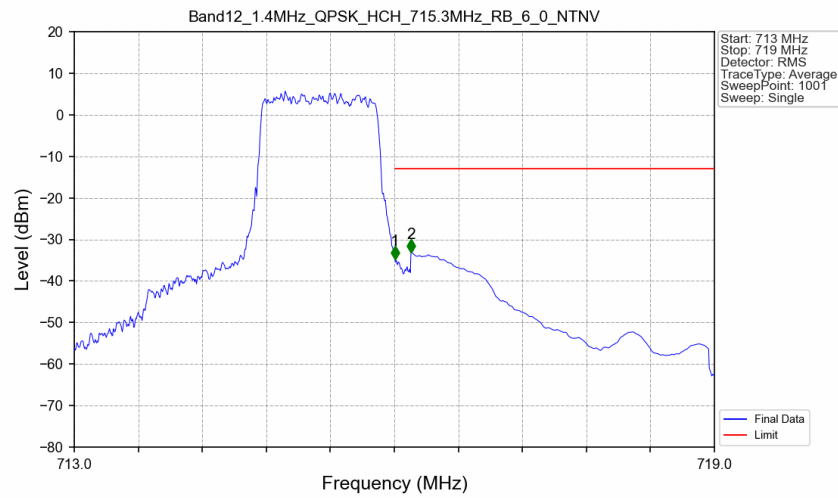


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	-28.34	-13	Pass
716.1	719	0.1	CHP	2	716.156	-40.46	-13	Pass

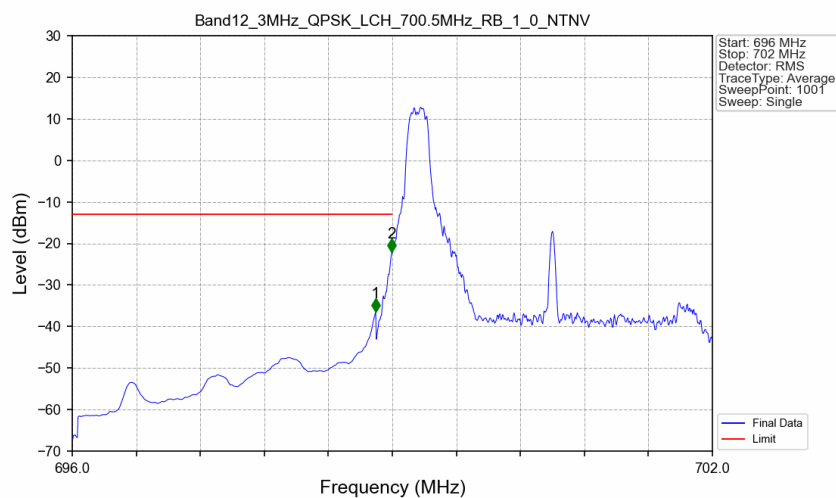
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	-34.83	-13	Pass
716.1	719	0.1	CHP	2	716.156	-33.05	-13	Pass

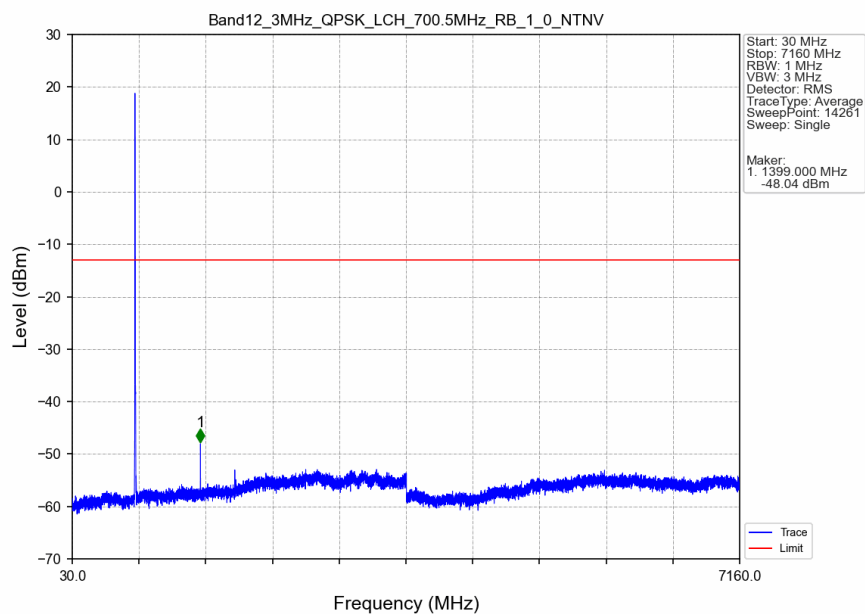
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

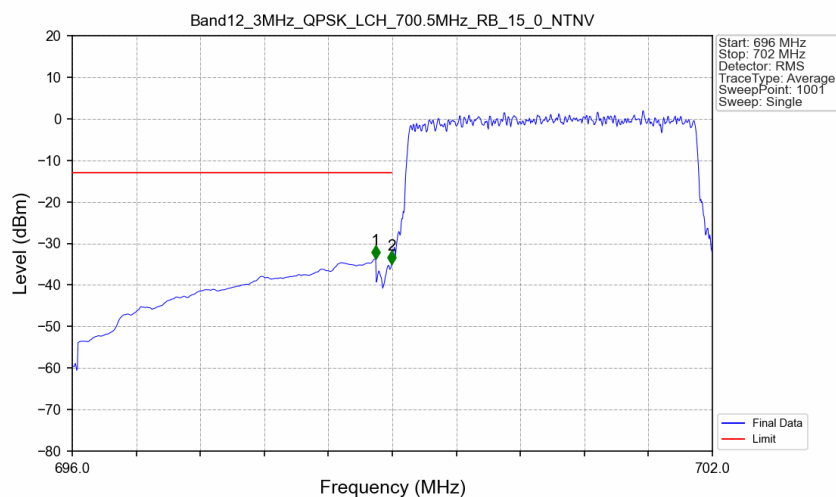


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-36.42	-13	Pass
698.9	699	0.03	/	2	698.994	-22.03	-13	Pass
699	702	0.03	/	/	/	/	/	/

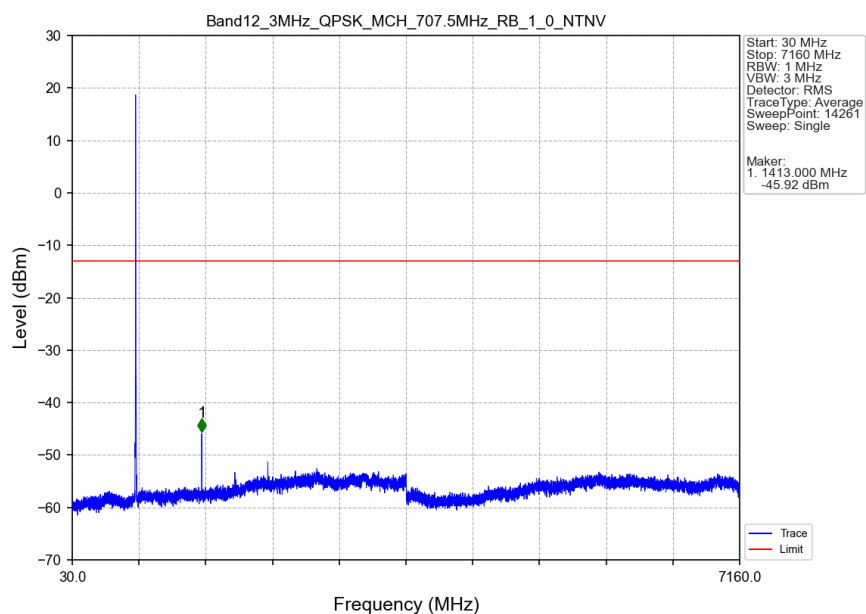
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



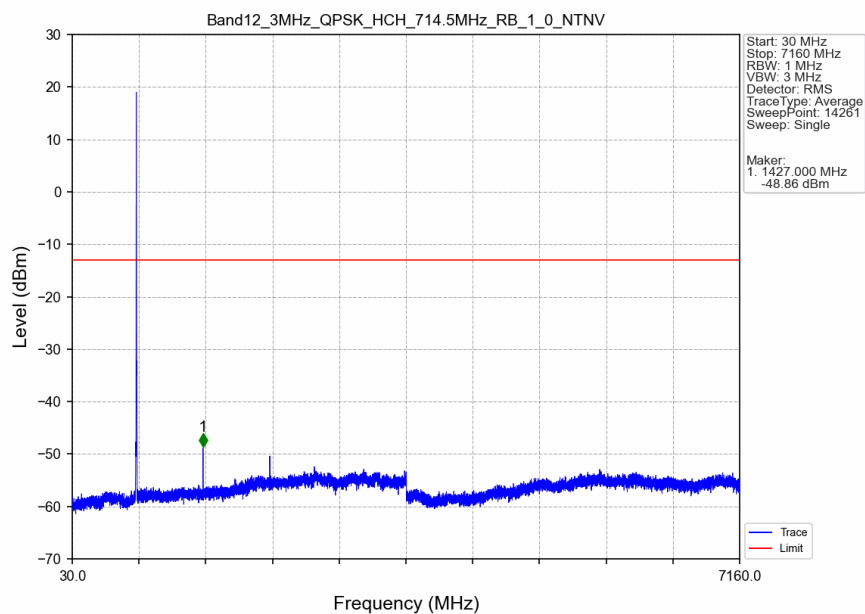
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



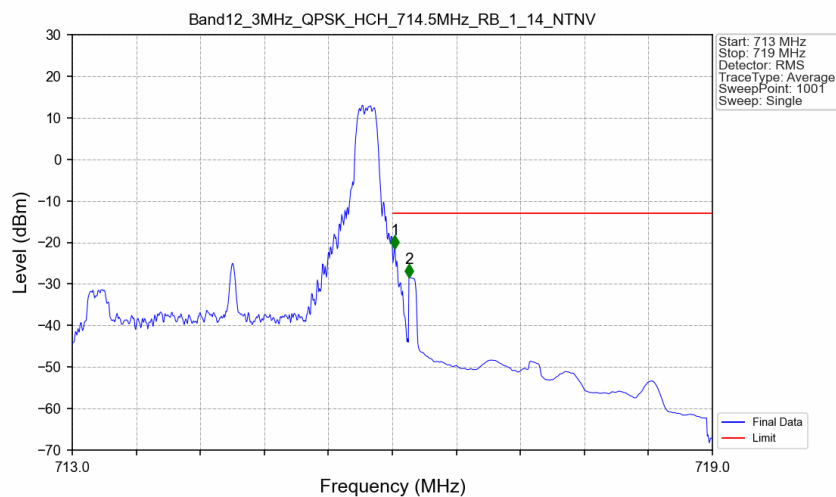
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

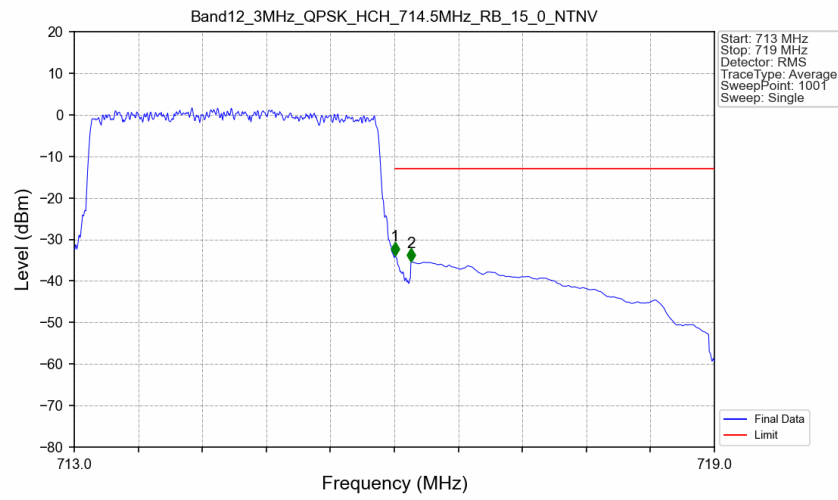


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	716.024	-21.44	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.35	-13	Pass

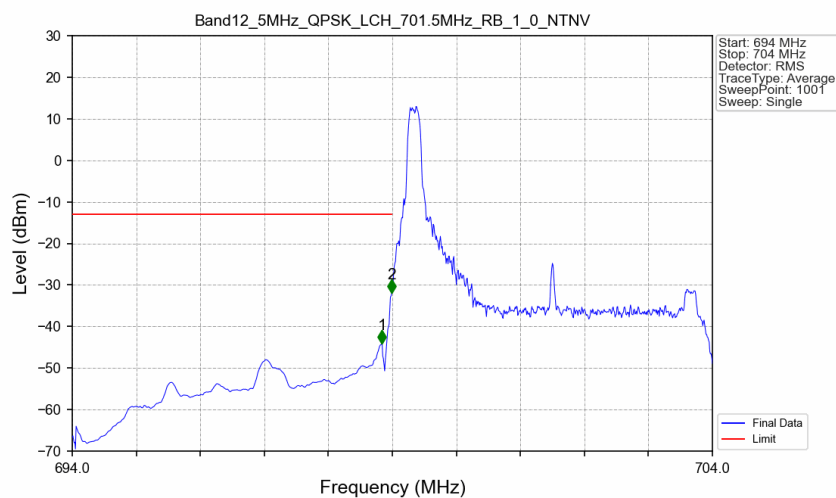
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	-33.77	-13	Pass
716.1	719	0.1	CHP	2	716.156	-35.34	-13	Pass

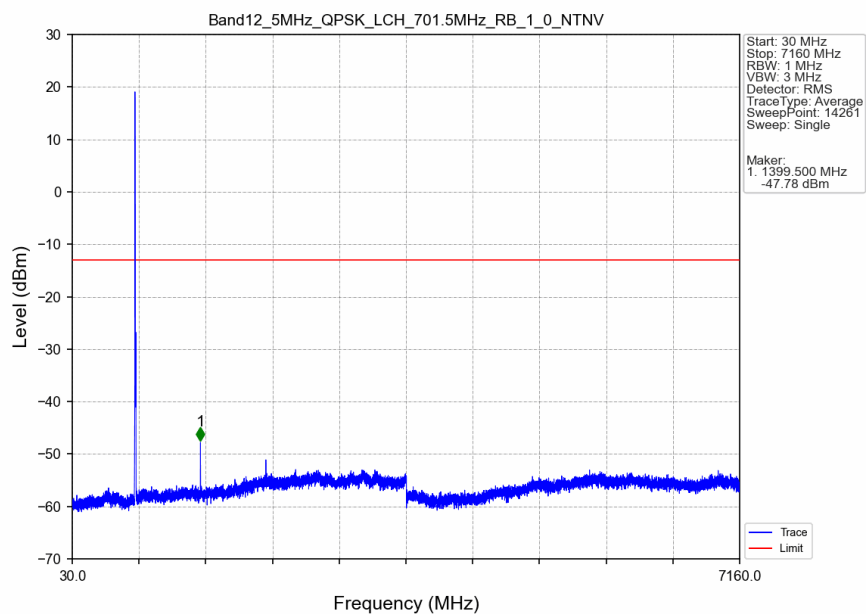
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

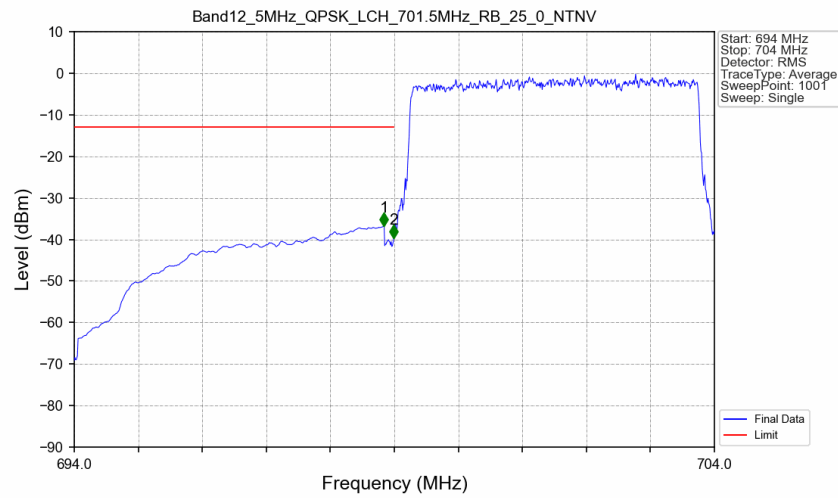


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-44.01	-13	Pass
698.9	699	0.03	/	2	698.990	-31.79	-13	Pass
699	704	0.03	/	/	/	/	/	/

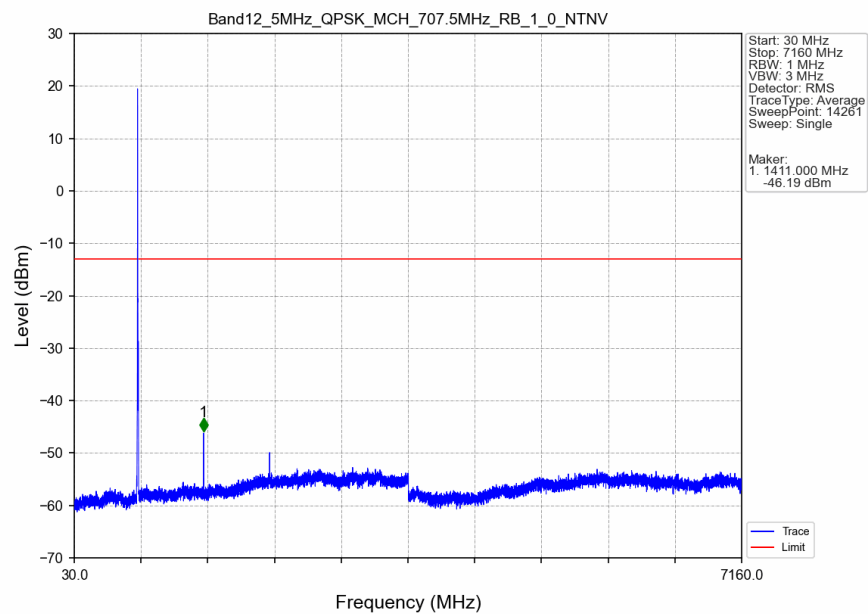
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



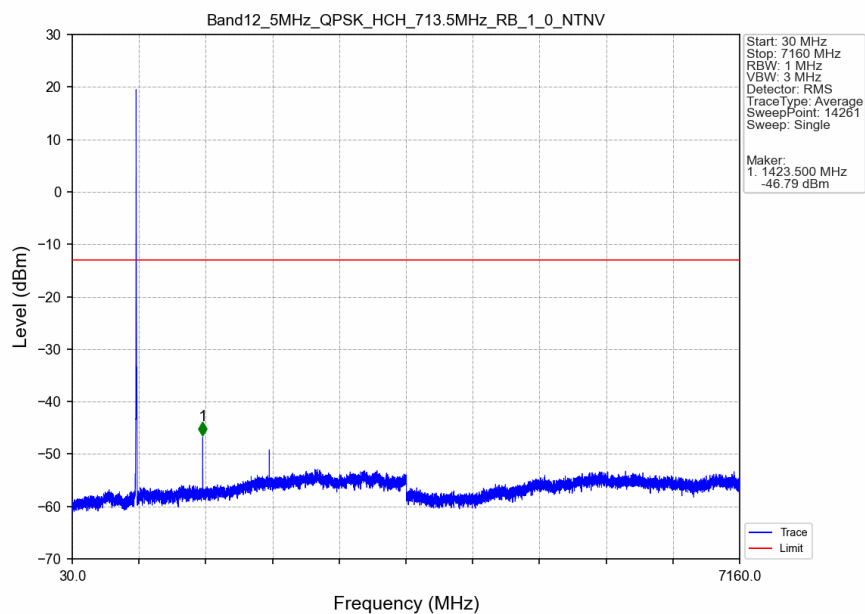
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



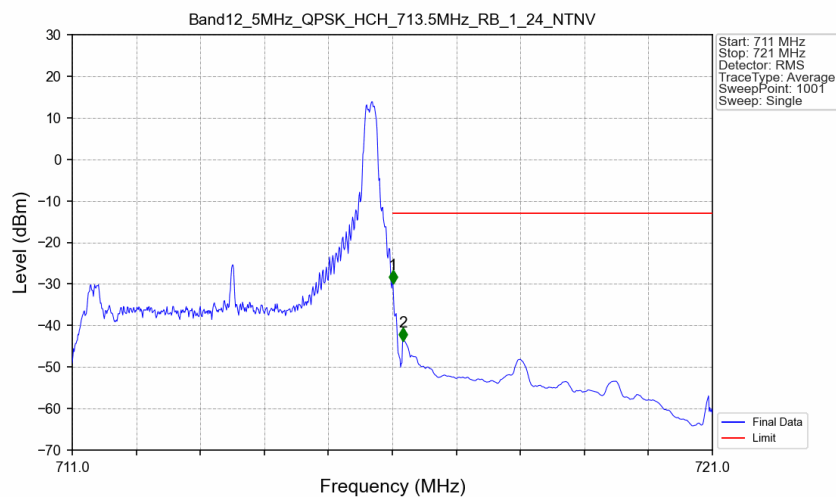
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

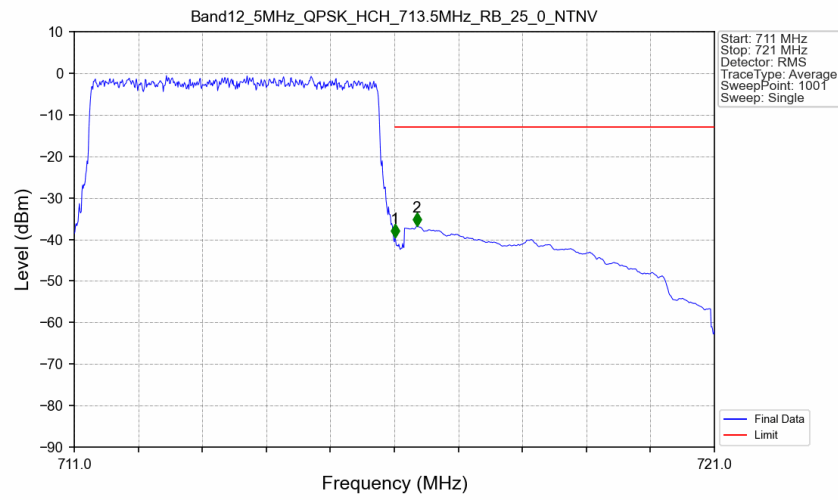


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-29.86	-13	Pass
716.1	721	0.1	CHP	2	716.170	-43.63	-13	Pass

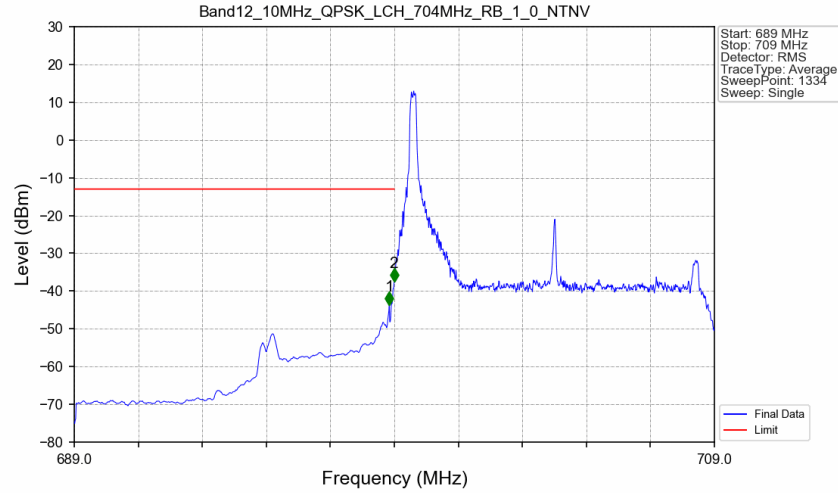
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	-39.51	-13	Pass
716.1	721	0.1	CHP	2	716.350	-36.82	-13	Pass

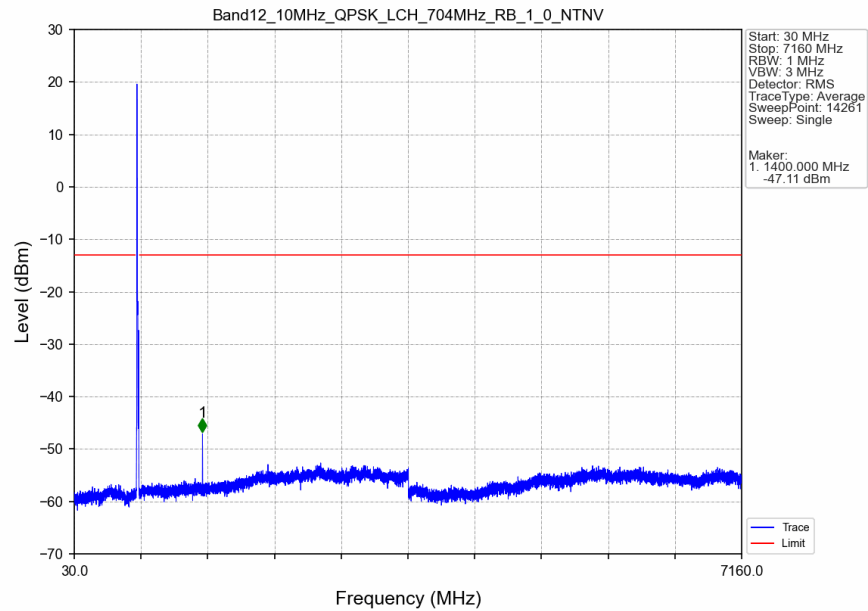
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

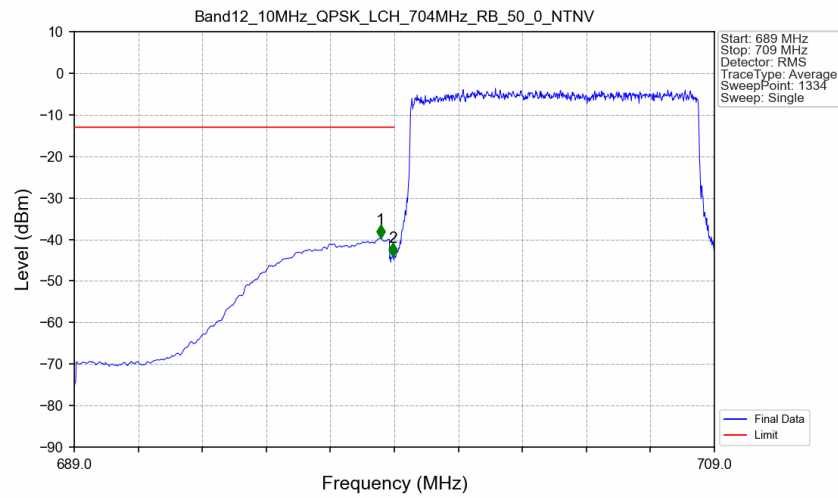


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-43.63	-13	Pass
698.9	699	0.03	/	2	698.992	-37.37	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

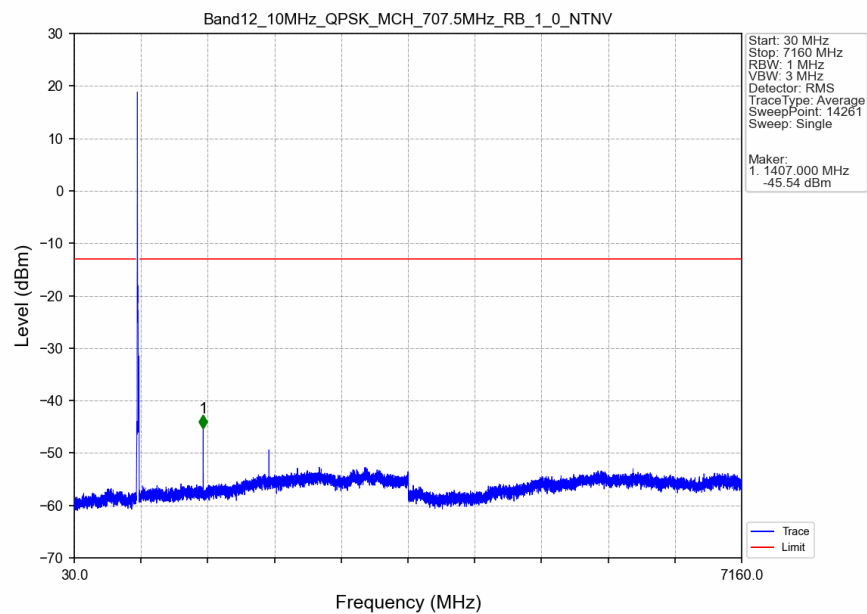


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

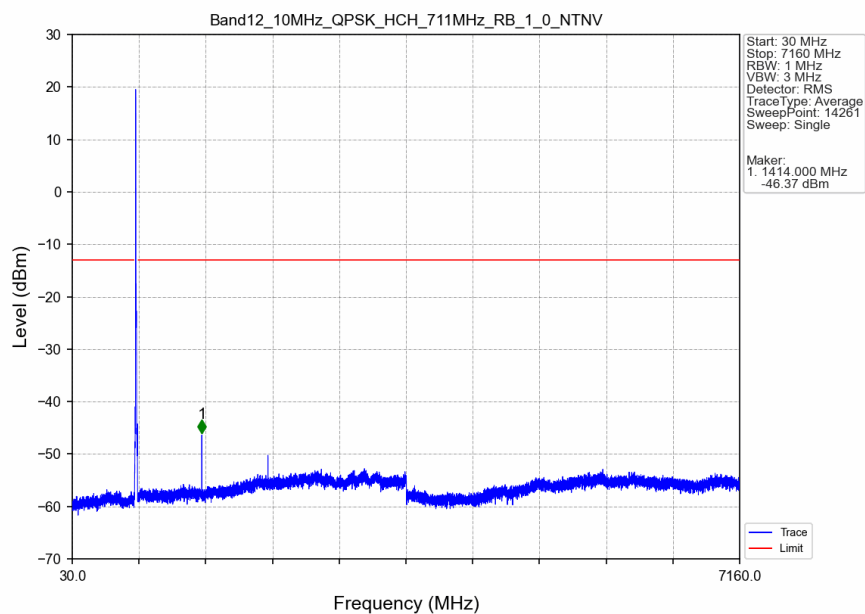


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.572	-39.74	-13	Pass
698.9	699	0.03	/	2	698.947	-43.98	-13	Pass
699	709	0.03	/	/	/	/	/	/

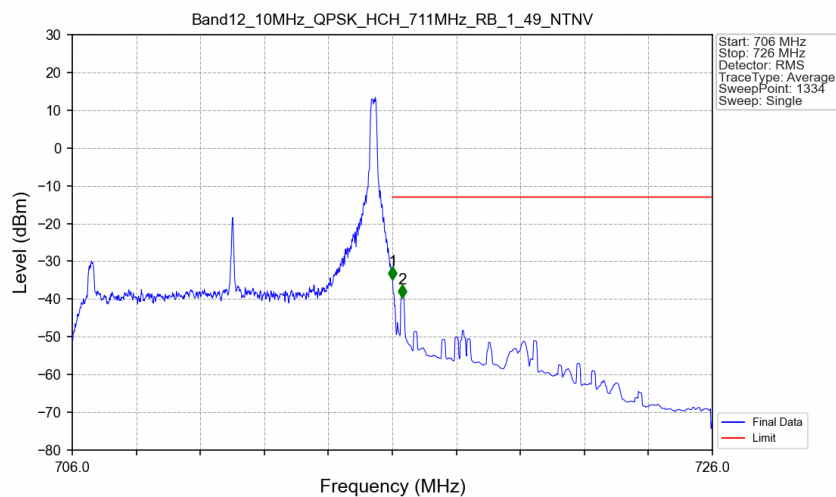
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

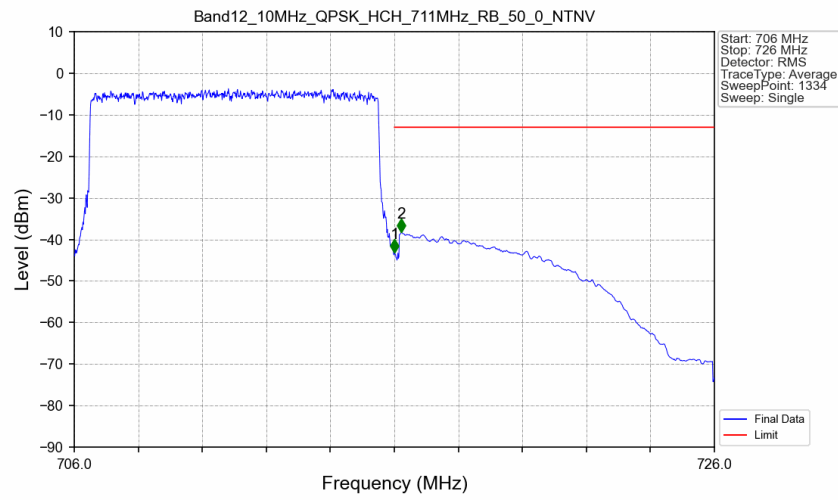


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-34.91	-13	Pass
716.1	726	0.1	CHP	2	716.308	-39.64	-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	-43.21	-13	Pass
716.1	726	0.1	CHP	2	716.218	-38.27	-13	Pass

- End of the Appendix -