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	23.19	-10.10	10.94	<=34.77	Pass
			2	23.18	-10.10	10.93	<=34.77	Pass
			5	23.01	-10.10	10.76	<=34.77	Pass
		3	0	23.10	-10.10	10.85	<=34.77	Pass
			2	22.96	-10.10	10.71	<=34.77	Pass
			3	23.06	-10.10	10.81	<=34.77	Pass
		6	0	22.04	-10.10	9.79	<=34.77	Pass
	707.5	1	0	23.02	-10.10	10.77	<=34.77	Pass
			2	22.89	-10.10	10.64	<=34.77	Pass
			5	22.89	-10.10	10.64	<=34.77	Pass
		3	0	22.90	-10.10	10.65	<=34.77	Pass
			2	22.87	-10.10	10.62	<=34.77	Pass
			3	22.78	-10.10	10.53	<=34.77	Pass
		6	0	21.97	-10.10	9.72	<=34.77	Pass
	715.3	1	0	22.95	-10.10	10.70	<=34.77	Pass
			2	22.89	-10.10	10.64	<=34.77	Pass
			5	22.94	-10.10	10.69	<=34.77	Pass
		3	0	22.90	-10.10	10.65	<=34.77	Pass
			2	22.97	-10.10	10.72	<=34.77	Pass
			3	22.97	-10.10	10.72	<=34.77	Pass
		6	0	21.95	-10.10	9.70	<=34.77	Pass
16QAM	699.7	1	0	22.23	-10.10	9.98	<=34.77	Pass
			2	22.09	-10.10	9.84	<=34.77	Pass
			5	22.19	-10.10	9.94	<=34.77	Pass
		3	0	22.05	-10.10	9.80	<=34.77	Pass
			2	21.86	-10.10	9.61	<=34.77	Pass
			3	22.05	-10.10	9.80	<=34.77	Pass
		6	0	21.11	-10.10	8.86	<=34.77	Pass
	707.5	1	0	22.28	-10.10	10.03	<=34.77	Pass
			2	22.29	-10.10	10.04	<=34.77	Pass
			5	22.19	-10.10	9.94	<=34.77	Pass
		3	0	22.05	-10.10	9.80	<=34.77	Pass
			2	21.98	-10.10	9.73	<=34.77	Pass
			3	21.83	-10.10	9.58	<=34.77	Pass
		6	0	21.05	-10.10	8.80	<=34.77	Pass
	715.3	1	0	21.85	-10.10	9.60	<=34.77	Pass
			2	21.99	-10.10	9.74	<=34.77	Pass
			5	21.65	-10.10	9.40	<=34.77	Pass
		3	0	21.66	-10.10	9.41	<=34.77	Pass
			2	21.74	-10.10	9.49	<=34.77	Pass
			3	21.68	-10.10	9.43	<=34.77	Pass
		6	0	21.01	-10.10	8.76	<=34.77	Pass
64QAM	699.7	1	0	20.98	-10.10	8.73	<=34.77	Pass
			2	21.04	-10.10	8.79	<=34.77	Pass
			5	20.95	-10.10	8.70	<=34.77	Pass
		3	0	20.36	-10.10	8.11	<=34.77	Pass
			2	21.12	-10.10	8.87	<=34.77	Pass
			3	21.03	-10.10	8.78	<=34.77	Pass
		6	0	19.93	-10.10	7.68	<=34.77	Pass

	707.5	1	0	20.99	-10.10	8.74	<=34.77	Pass
			2	21.01	-10.10	8.76	<=34.77	Pass
			5	21.00	-10.10	8.75	<=34.77	Pass
		3	0	21.04	-10.10	8.79	<=34.77	Pass
			2	21.06	-10.10	8.81	<=34.77	Pass
			3	21.07	-10.10	8.82	<=34.77	Pass
		6	0	19.97	-10.10	7.72	<=34.77	Pass
	715.3	1	0	21.03	-10.10	8.78	<=34.77	Pass
			2	20.84	-10.10	8.59	<=34.77	Pass
			5	20.96	-10.10	8.71	<=34.77	Pass
		3	0	21.10	-10.10	8.85	<=34.77	Pass
			2	21.01	-10.10	8.76	<=34.77	Pass
			3	21.00	-10.10	8.75	<=34.77	Pass
		6	0	19.94	-10.10	7.69	<=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	22.97	-10.10	10.72	<=34.77	Pass
			7	23.01	-10.10	10.76	<=34.77	Pass
			14	22.93	-10.10	10.68	<=34.77	Pass
		8	0	22.03	-10.10	9.78	<=34.77	Pass
			4	22.00	-10.10	9.75	<=34.77	Pass
			7	21.98	-10.10	9.73	<=34.77	Pass
		15	0	22.03	-10.10	9.78	<=34.77	Pass
	707.5	1	0	22.88	-10.10	10.63	<=34.77	Pass
			7	22.94	-10.10	10.69	<=34.77	Pass
			14	22.85	-10.10	10.60	<=34.77	Pass
		8	0	21.96	-10.10	9.71	<=34.77	Pass
			4	22.01	-10.10	9.76	<=34.77	Pass
			7	21.99	-10.10	9.74	<=34.77	Pass
		15	0	22.01	-10.10	9.76	<=34.77	Pass
	714.5	1	0	22.65	-10.10	10.40	<=34.77	Pass
			7	22.93	-10.10	10.68	<=34.77	Pass
			14	22.53	-10.10	10.28	<=34.77	Pass
		8	0	22.00	-10.10	9.75	<=34.77	Pass
			4	21.99	-10.10	9.74	<=34.77	Pass
			7	21.98	-10.10	9.73	<=34.77	Pass
		15	0	22.03	-10.10	9.78	<=34.77	Pass
16QAM	700.5	1	0	22.17	-10.10	9.92	<=34.77	Pass
			7	22.12	-10.10	9.87	<=34.77	Pass
			14	22.11	-10.10	9.86	<=34.77	Pass
		8	0	21.08	-10.10	8.83	<=34.77	Pass
			4	21.08	-10.10	8.83	<=34.77	Pass
			7	21.06	-10.10	8.81	<=34.77	Pass
		15	0	21.03	-10.10	8.78	<=34.77	Pass
	707.5	1	0	22.02	-10.10	9.77	<=34.77	Pass
			7	22.12	-10.10	9.87	<=34.77	Pass
			14	22.10	-10.10	9.85	<=34.77	Pass
		8	0	21.09	-10.10	8.84	<=34.77	Pass
			4	21.06	-10.10	8.81	<=34.77	Pass
			7	21.08	-10.10	8.83	<=34.77	Pass
		15	0	21.01	-10.10	8.76	<=34.77	Pass
	714.5	1	0	22.15	-10.10	9.90	<=34.77	Pass

			7	22.06	-10.10	9.81	<=34.77	Pass
			14	22.01	-10.10	9.76	<=34.77	Pass
		8	0	21.07	-10.10	8.82	<=34.77	Pass
			4	21.06	-10.10	8.81	<=34.77	Pass
			7	20.99	-10.10	8.74	<=34.77	Pass
		15	0	21.02	-10.10	8.77	<=34.77	Pass
64QAM	700.5	1	0	21.06	-10.10	8.81	<=34.77	Pass
			7	20.99	-10.10	8.74	<=34.77	Pass
			14	20.88	-10.10	8.63	<=34.77	Pass
		8	0	20.06	-10.10	7.81	<=34.77	Pass
			4	19.99	-10.10	7.74	<=34.77	Pass
			7	20.03	-10.10	7.78	<=34.77	Pass
		15	0	20.00	-10.10	7.75	<=34.77	Pass
	707.5	1	0	21.04	-10.10	8.79	<=34.77	Pass
			7	21.05	-10.10	8.80	<=34.77	Pass
			14	20.93	-10.10	8.68	<=34.77	Pass
		8	0	20.12	-10.10	7.87	<=34.77	Pass
			4	20.05	-10.10	7.80	<=34.77	Pass
			7	20.10	-10.10	7.85	<=34.77	Pass
		15	0	20.00	-10.10	7.75	<=34.77	Pass
	714.5	1	0	21.07	-10.10	8.82	<=34.77	Pass
			7	21.04	-10.10	8.79	<=34.77	Pass
			14	21.09	-10.10	8.84	<=34.77	Pass
		8	0	20.06	-10.10	7.81	<=34.77	Pass
			4	20.04	-10.10	7.79	<=34.77	Pass
			7	20.06	-10.10	7.81	<=34.77	Pass
		15	0	19.98	-10.10	7.73	<=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	23.09	-10.10	10.84	<=34.77	Pass
			13	22.97	-10.10	10.72	<=34.77	Pass
			24	23.01	-10.10	10.76	<=34.77	Pass
		12	0	22.09	-10.10	9.84	<=34.77	Pass
			6	22.03	-10.10	9.78	<=34.77	Pass
			13	22.02	-10.10	9.77	<=34.77	Pass
		25	0	22.07	-10.10	9.82	<=34.77	Pass
	707.5	1	0	22.98	-10.10	10.73	<=34.77	Pass
			13	22.94	-10.10	10.69	<=34.77	Pass
			24	22.89	-10.10	10.64	<=34.77	Pass
		12	0	22.07	-10.10	9.82	<=34.77	Pass
			6	22.03	-10.10	9.78	<=34.77	Pass
			13	22.04	-10.10	9.79	<=34.77	Pass
		25	0	22.04	-10.10	9.79	<=34.77	Pass
	713.5	1	0	23.02	-10.10	10.77	<=34.77	Pass
			13	22.94	-10.10	10.69	<=34.77	Pass
			24	23.00	-10.10	10.75	<=34.77	Pass
		12	0	22.13	-10.10	9.88	<=34.77	Pass
			6	22.04	-10.10	9.79	<=34.77	Pass
			13	22.04	-10.10	9.79	<=34.77	Pass
		25	0	22.02	-10.10	9.77	<=34.77	Pass
16QAM	701.5	1	0	22.14	-10.10	9.89	<=34.77	Pass
			13	21.72	-10.10	9.47	<=34.77	Pass

			24	22.01	-10.10	9.76	<=34.77	Pass
		12	0	21.12	-10.10	8.87	<=34.77	Pass
			6	21.07	-10.10	8.82	<=34.77	Pass
			13	21.01	-10.10	8.76	<=34.77	Pass
		25	0	21.03	-10.10	8.78	<=34.77	Pass
	707.5	1	0	22.16	-10.10	9.91	<=34.77	Pass
			13	22.10	-10.10	9.85	<=34.77	Pass
			24	22.16	-10.10	9.91	<=34.77	Pass
		12	0	21.05	-10.10	8.80	<=34.77	Pass
			6	21.00	-10.10	8.75	<=34.77	Pass
			13	21.01	-10.10	8.76	<=34.77	Pass
		25	0	21.03	-10.10	8.78	<=34.77	Pass
	713.5	1	0	22.09	-10.10	9.84	<=34.77	Pass
			13	22.03	-10.10	9.78	<=34.77	Pass
			24	22.17	-10.10	9.92	<=34.77	Pass
		12	0	21.06	-10.10	8.81	<=34.77	Pass
			6	21.06	-10.10	8.81	<=34.77	Pass
			13	21.07	-10.10	8.82	<=34.77	Pass
		25	0	21.09	-10.10	8.84	<=34.77	Pass
64QAM	701.5	1	0	21.06	-10.10	8.81	<=34.77	Pass
			13	20.90	-10.10	8.65	<=34.77	Pass
			24	20.69	-10.10	8.44	<=34.77	Pass
		12	0	20.12	-10.10	7.87	<=34.77	Pass
			6	20.09	-10.10	7.84	<=34.77	Pass
			13	20.08	-10.10	7.83	<=34.77	Pass
		25	0	20.06	-10.10	7.81	<=34.77	Pass
	707.5	1	0	21.22	-10.10	8.97	<=34.77	Pass
			13	20.93	-10.10	8.68	<=34.77	Pass
			24	20.82	-10.10	8.57	<=34.77	Pass
		12	0	20.13	-10.10	7.88	<=34.77	Pass
			6	20.09	-10.10	7.84	<=34.77	Pass
			13	20.09	-10.10	7.84	<=34.77	Pass
		25	0	20.03	-10.10	7.78	<=34.77	Pass
	713.5	1	0	20.83	-10.10	8.58	<=34.77	Pass
			13	20.97	-10.10	8.72	<=34.77	Pass
			24	20.94	-10.10	8.69	<=34.77	Pass
		12	0	20.09	-10.10	7.84	<=34.77	Pass
			6	20.12	-10.10	7.87	<=34.77	Pass
			13	20.09	-10.10	7.84	<=34.77	Pass
		25	0	20.03	-10.10	7.78	<=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	23.12	-10.10	10.87	<=34.77	Pass
			25	22.92	-10.10	10.67	<=34.77	Pass
			49	23.01	-10.10	10.76	<=34.77	Pass
		25	0	22.01	-10.10	9.76	<=34.77	Pass
			13	21.97	-10.10	9.72	<=34.77	Pass
			25	22.02	-10.10	9.77	<=34.77	Pass
		50	0	22.00	-10.10	9.75	<=34.77	Pass
	707.5	1	0	23.04	-10.10	10.79	<=34.77	Pass
			25	22.89	-10.10	10.64	<=34.77	Pass
			49	22.92	-10.10	10.67	<=34.77	Pass

		25	0	22.00	-10.10	9.75	<=34.77	Pass
			13	21.98	-10.10	9.73	<=34.77	Pass
			25	21.96	-10.10	9.71	<=34.77	Pass
		50	0	22.00	-10.10	9.75	<=34.77	Pass
	711	1	0	22.96	-10.10	10.71	<=34.77	Pass
			25	22.87	-10.10	10.62	<=34.77	Pass
			49	22.99	-10.10	10.74	<=34.77	Pass
		25	0	22.00	-10.10	9.75	<=34.77	Pass
			13	21.99	-10.10	9.74	<=34.77	Pass
			25	21.91	-10.10	9.66	<=34.77	Pass
		50	0	21.97	-10.10	9.72	<=34.77	Pass
16QAM	704	1	0	22.06	-10.10	9.81	<=34.77	Pass
			25	21.91	-10.10	9.66	<=34.77	Pass
			49	22.20	-10.10	9.95	<=34.77	Pass
		25	0	21.02	-10.10	8.77	<=34.77	Pass
			13	20.96	-10.10	8.71	<=34.77	Pass
			25	21.03	-10.10	8.78	<=34.77	Pass
		50	0	21.00	-10.10	8.75	<=34.77	Pass
	707.5	1	0	22.24	-10.10	9.99	<=34.77	Pass
			25	22.15	-10.10	9.90	<=34.77	Pass
			49	22.09	-10.10	9.84	<=34.77	Pass
		25	0	21.00	-10.10	8.75	<=34.77	Pass
			13	20.97	-10.10	8.72	<=34.77	Pass
			25	20.93	-10.10	8.68	<=34.77	Pass
		50	0	20.98	-10.10	8.73	<=34.77	Pass
	711	1	0	21.87	-10.10	9.62	<=34.77	Pass
			25	22.03	-10.10	9.78	<=34.77	Pass
			49	22.03	-10.10	9.78	<=34.77	Pass
		25	0	21.00	-10.10	8.75	<=34.77	Pass
			13	20.96	-10.10	8.71	<=34.77	Pass
			25	20.89	-10.10	8.64	<=34.77	Pass
		50	0	21.01	-10.10	8.76	<=34.77	Pass
64QAM	704	1	0	20.93	-10.10	8.68	<=34.77	Pass
			25	20.90	-10.10	8.65	<=34.77	Pass
			49	21.03	-10.10	8.78	<=34.77	Pass
		25	0	19.98	-10.10	7.73	<=34.77	Pass
			13	19.95	-10.10	7.70	<=34.77	Pass
			25	20.01	-10.10	7.76	<=34.77	Pass
		50	0	19.99	-10.10	7.74	<=34.77	Pass
	707.5	1	0	21.22	-10.10	8.97	<=34.77	Pass
			25	20.94	-10.10	8.69	<=34.77	Pass
			49	20.98	-10.10	8.73	<=34.77	Pass
		25	0	19.97	-10.10	7.72	<=34.77	Pass
			13	19.97	-10.10	7.72	<=34.77	Pass
			25	19.96	-10.10	7.71	<=34.77	Pass
		50	0	19.99	-10.10	7.74	<=34.77	Pass
	711	1	0	20.90	-10.10	8.65	<=34.77	Pass
			25	20.95	-10.10	8.70	<=34.77	Pass
			49	20.91	-10.10	8.66	<=34.77	Pass
		25	0	19.99	-10.10	7.74	<=34.77	Pass
			13	19.93	-10.10	7.68	<=34.77	Pass
			25	19.88	-10.10	7.63	<=34.77	Pass
		50	0	19.99	-10.10	7.74	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	707.5	50	0	20	LV	1.000	0.0014	-2.5 to 2.5	Pass
					NV	-0.500	-0.0007	-2.5 to 2.5	Pass
					HV	-1.600	-0.0023	-2.5 to 2.5	Pass
				-30	NV	-2.800	-0.0040	-2.5 to 2.5	Pass
				-20	NV	-0.700	-0.0010	-2.5 to 2.5	Pass
				-10	NV	4.300	0.0061	-2.5 to 2.5	Pass
				0	NV	0.900	0.0013	-2.5 to 2.5	Pass
				10	NV	-1.700	-0.0024	-2.5 to 2.5	Pass
				30	NV	-3.800	-0.0054	-2.5 to 2.5	Pass
				40	NV	0.500	0.0007	-2.5 to 2.5	Pass
				50	NV	-1.300	-0.0018	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

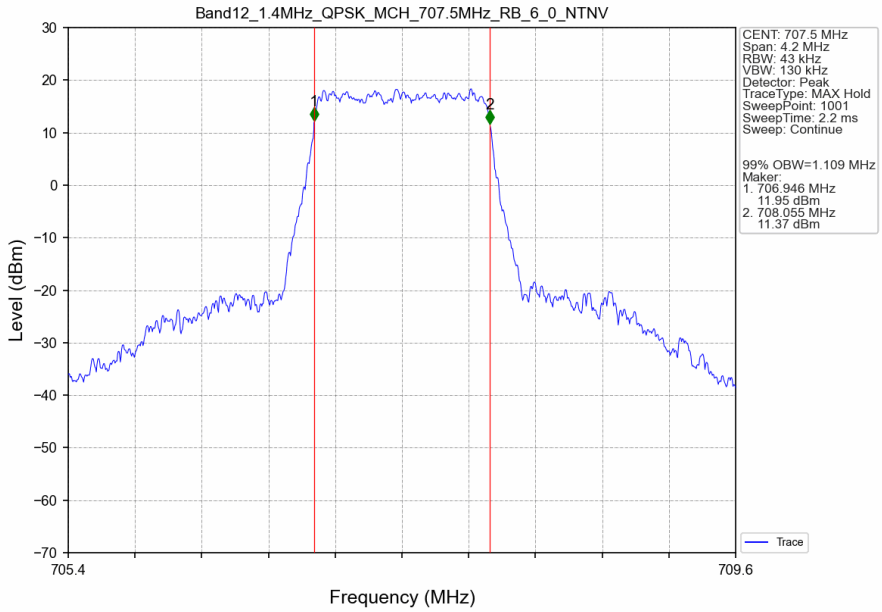
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.109	/	Pass
	16QAM	707.5	6	0	1.119	/	Pass
3	QPSK	707.5	15	0	2.723	/	Pass
	16QAM	707.5	15	0	2.720	/	Pass
5	QPSK	707.5	25	0	4.527	/	Pass
	16QAM	707.5	25	0	4.536	/	Pass
10	QPSK	707.5	50	0	9.072	/	Pass
	16QAM	707.5	50	0	9.019	/	Pass

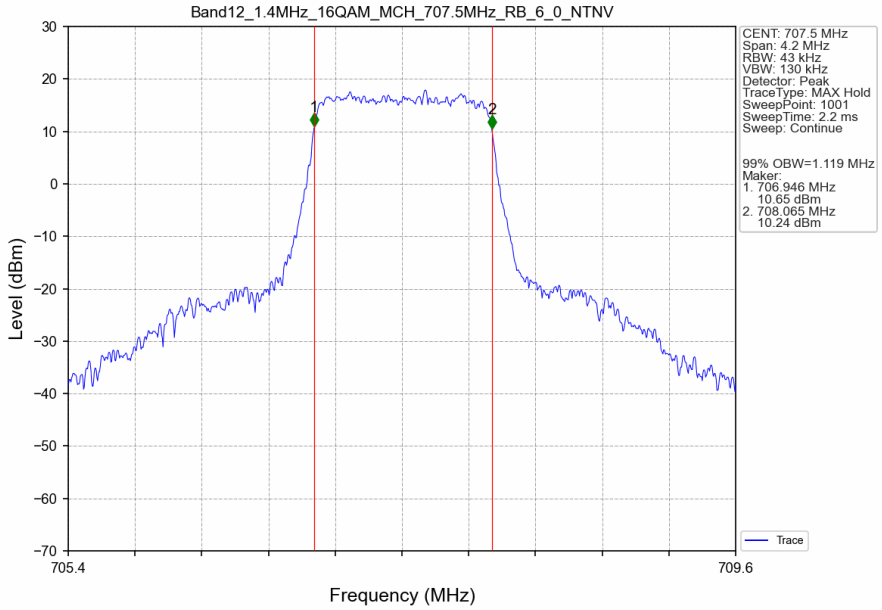
3.1.2 Band12_XDB

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	1.332	/	Pass
	16QAM	707.5	6	0	1.322	/	Pass
3	QPSK	707.5	15	0	3.016	/	Pass
	16QAM	707.5	15	0	3.032	/	Pass
5	QPSK	707.5	25	0	5.034	/	Pass
	16QAM	707.5	25	0	5.001	/	Pass
10	QPSK	707.5	50	0	9.916	/	Pass
	16QAM	707.5	50	0	9.888	/	Pass

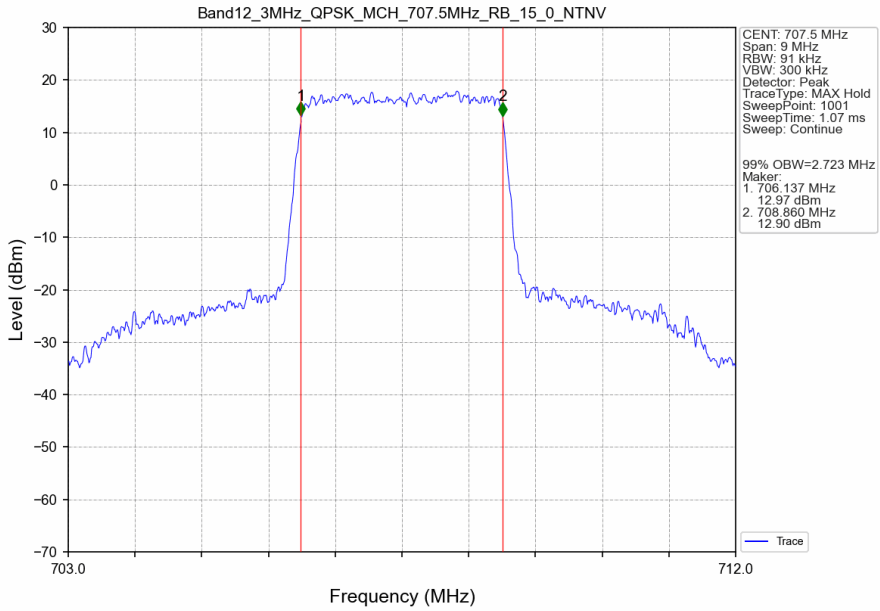
3.2 Test Graph

3.2.1 Band12_OBW

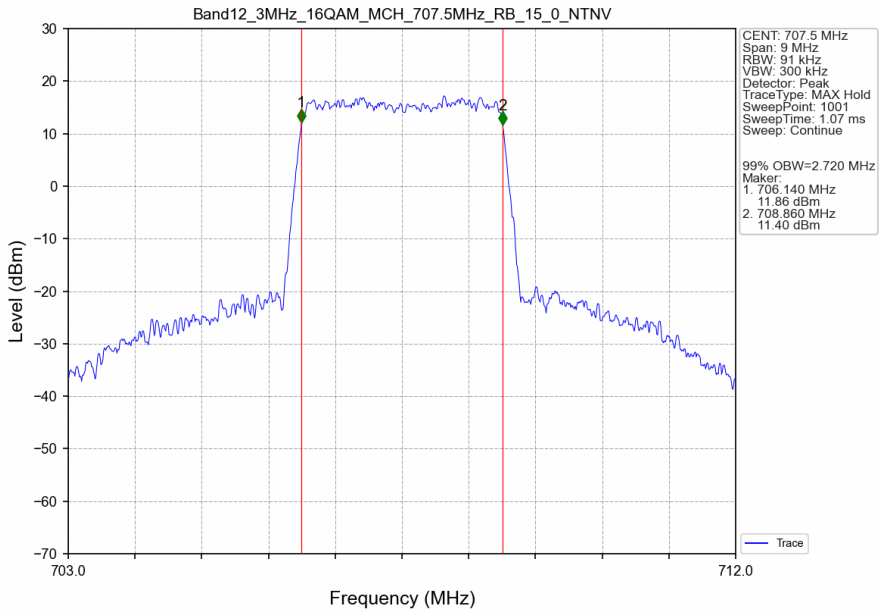
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


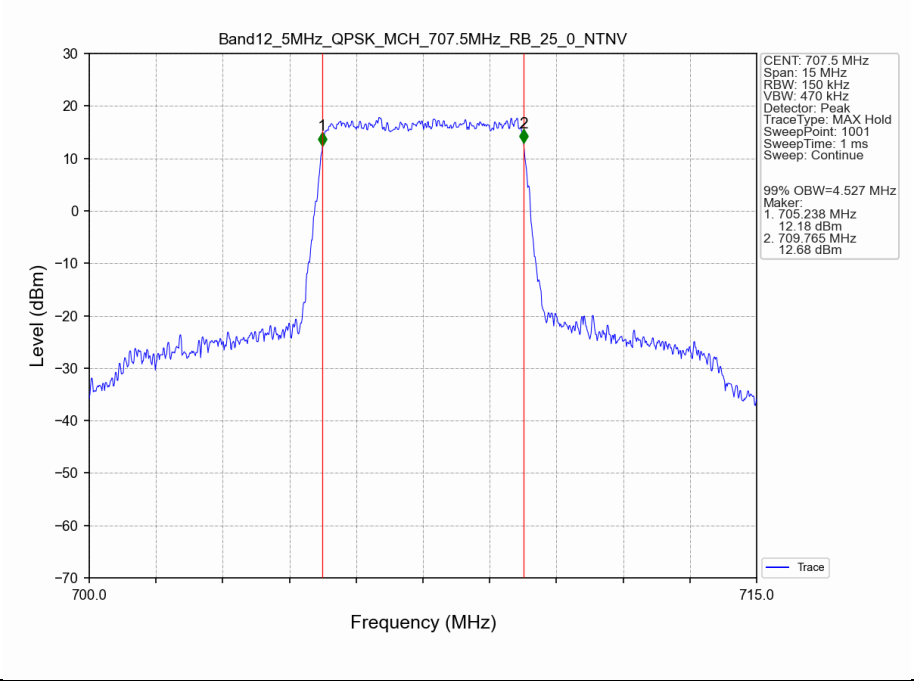
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



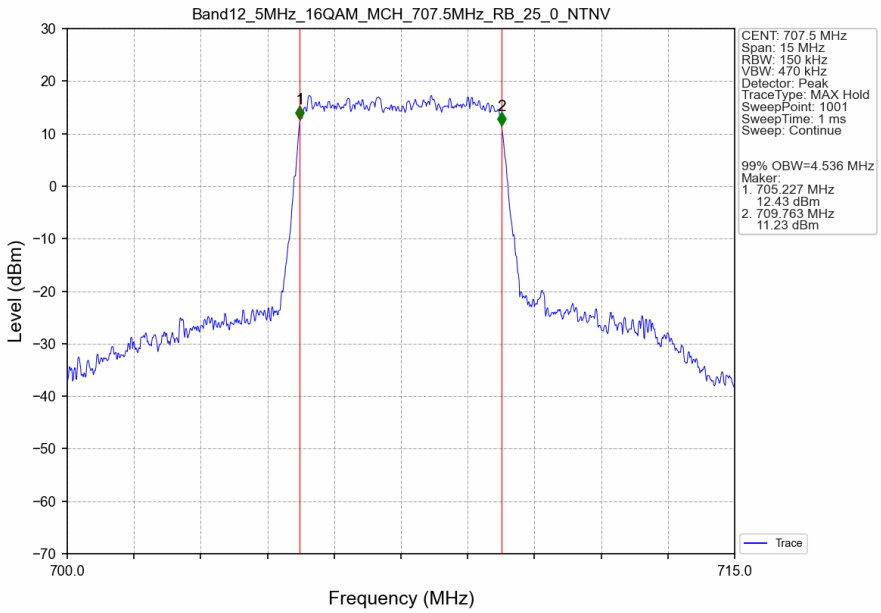
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



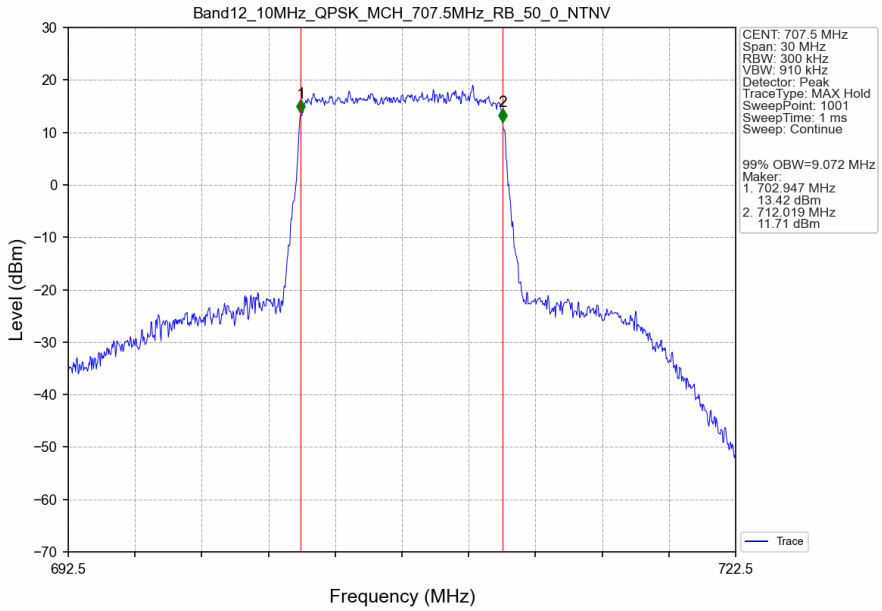
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



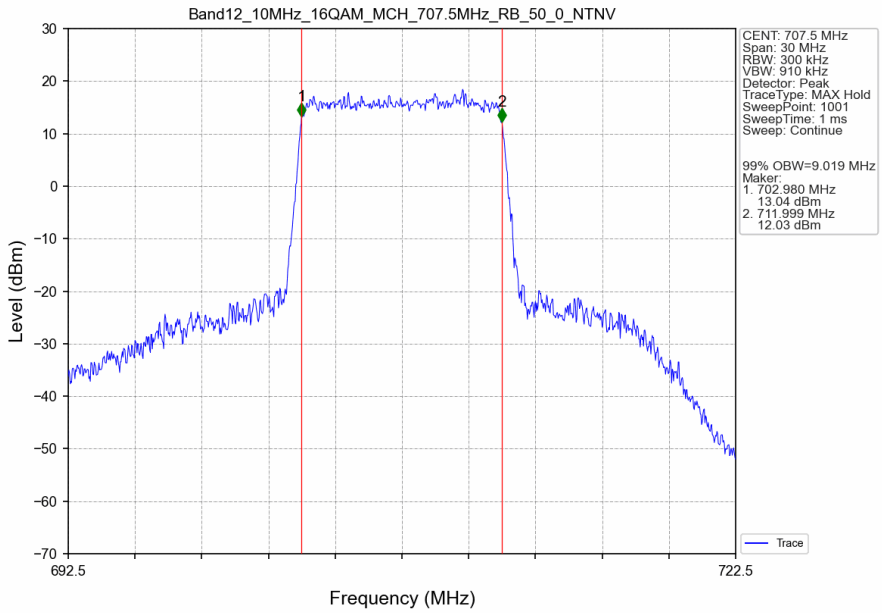
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



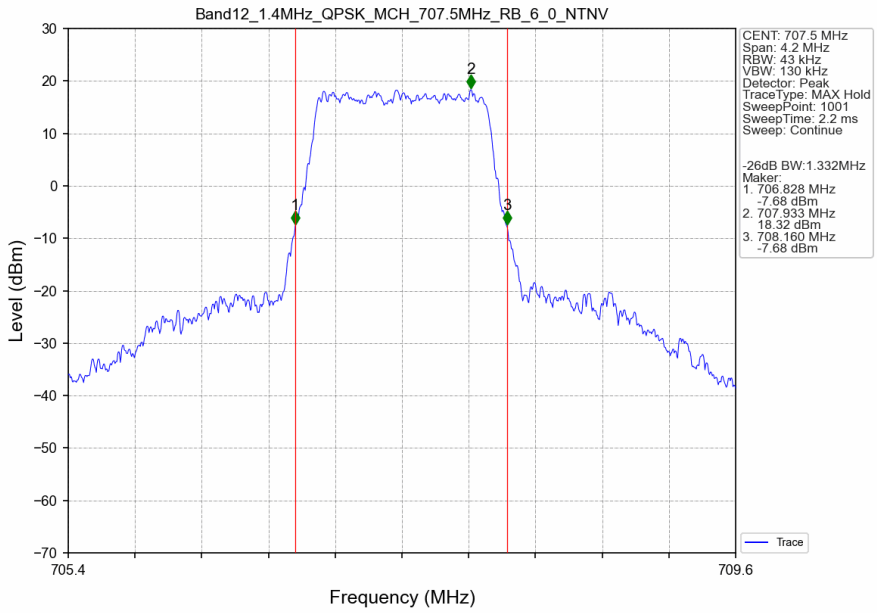
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

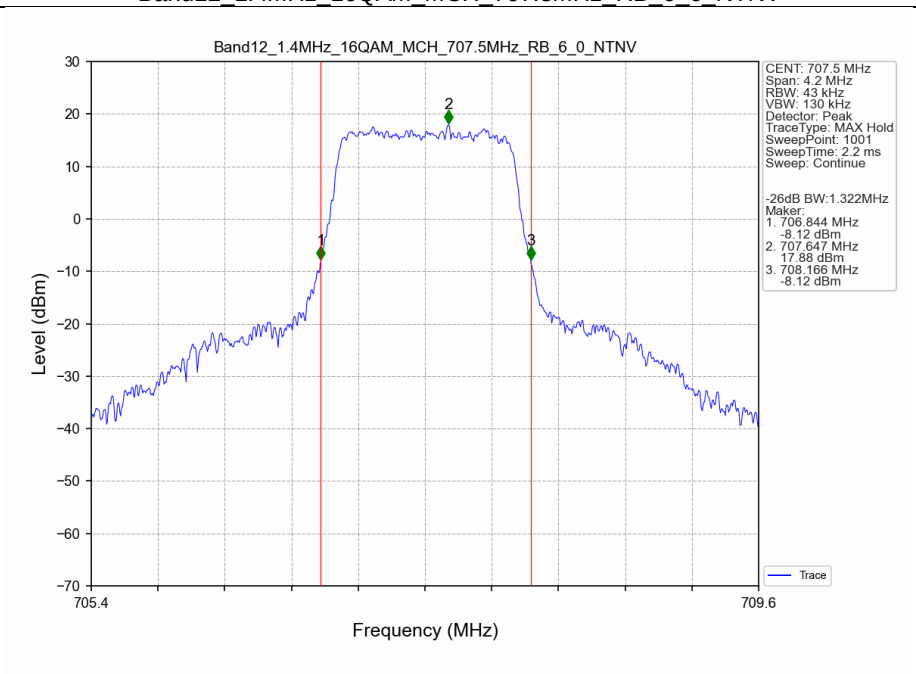


Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

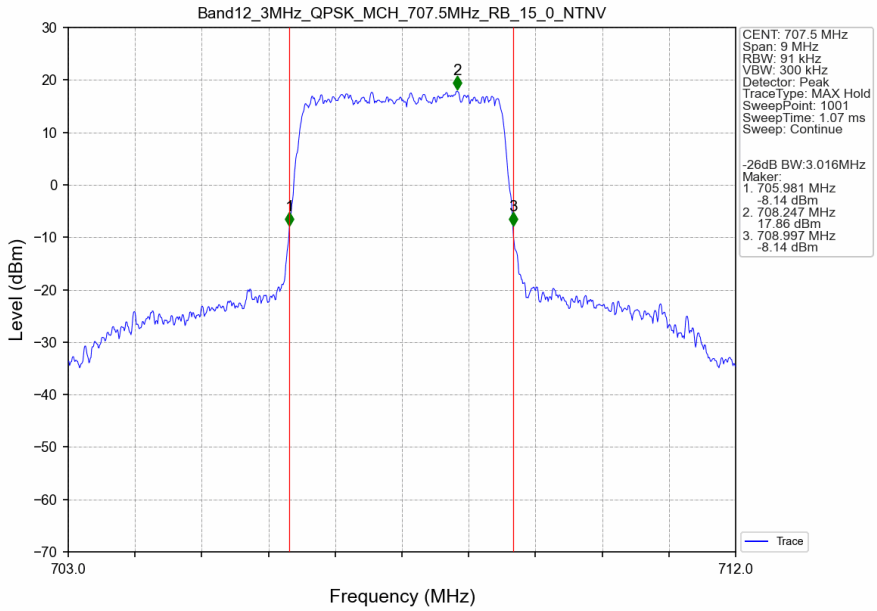


3.2.2 Band12_XDB

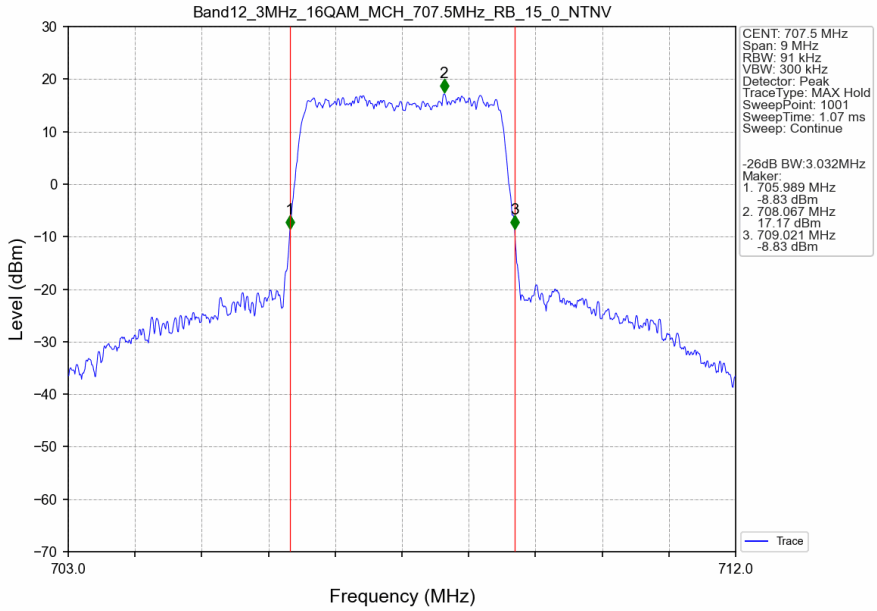
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


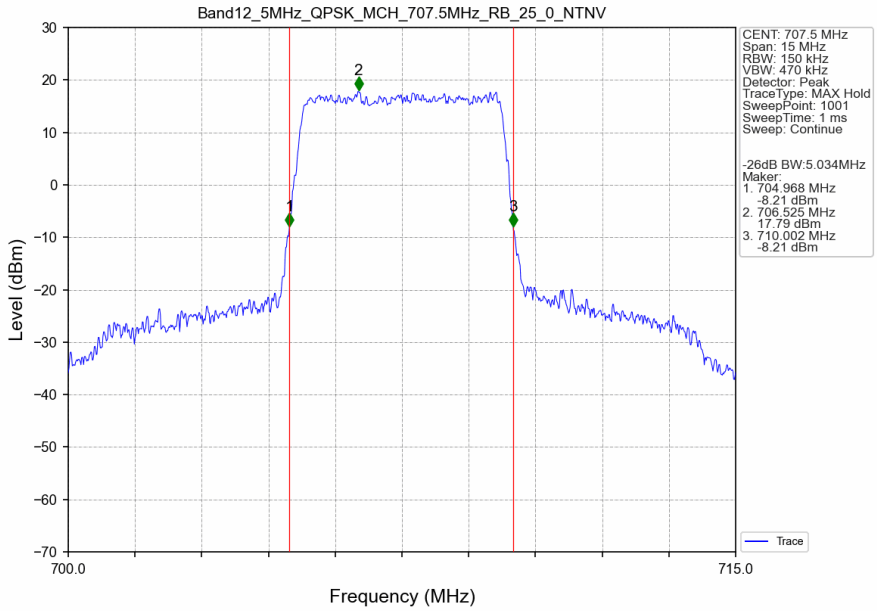
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



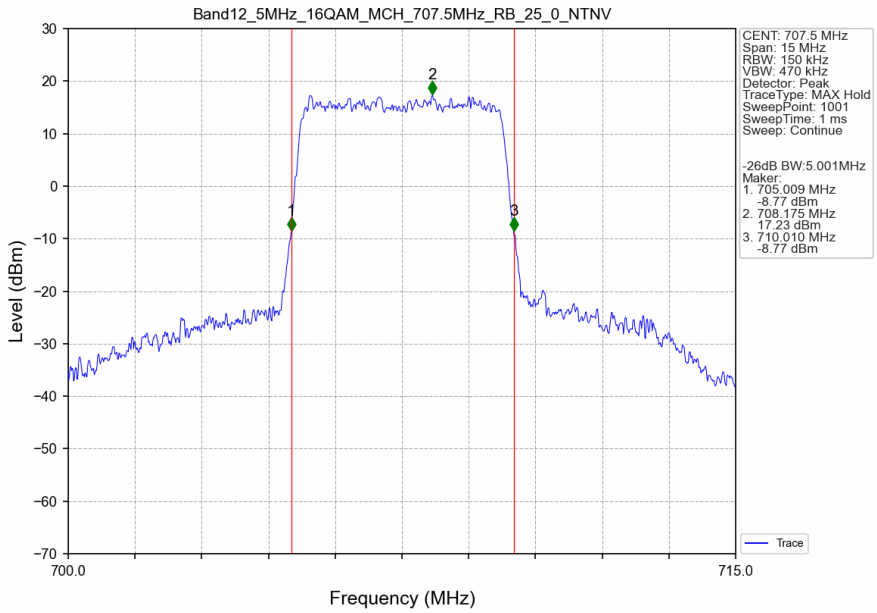
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



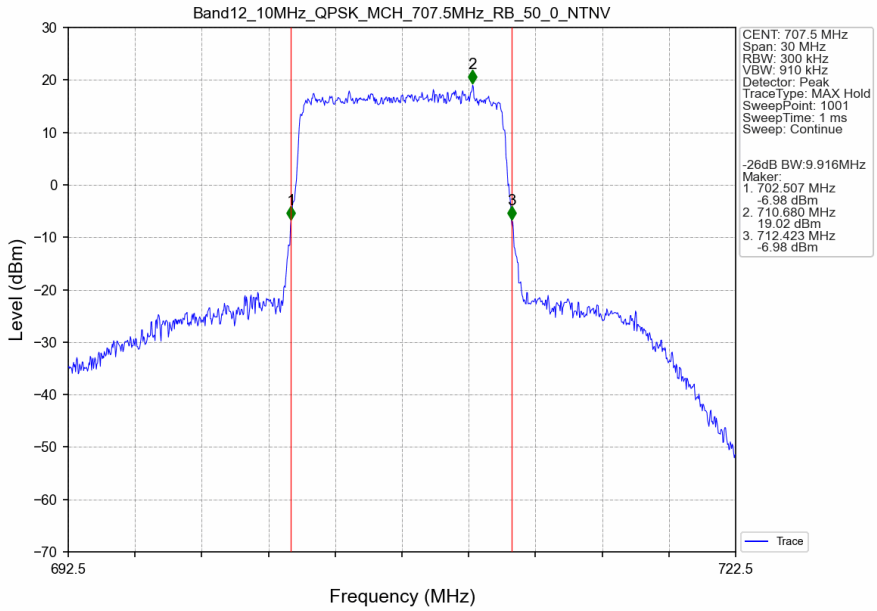
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



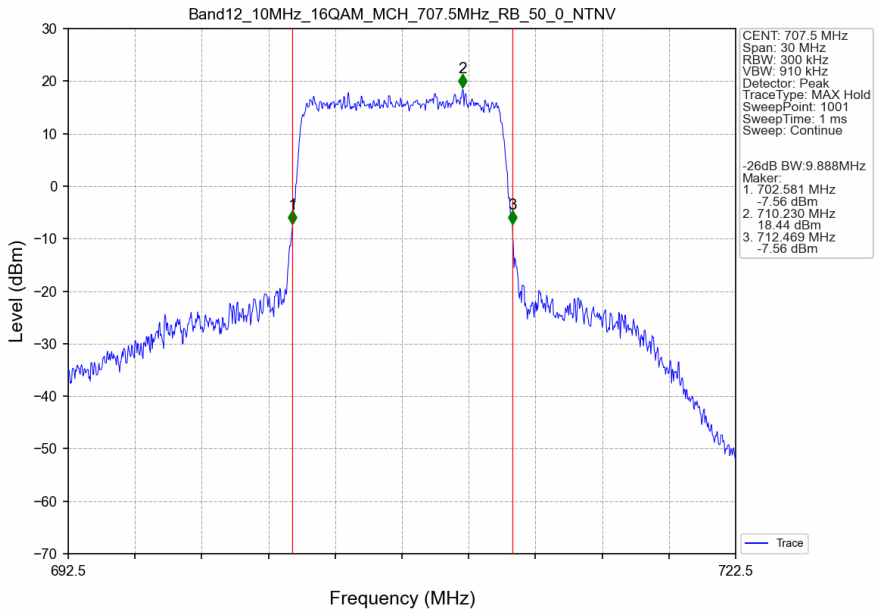
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



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

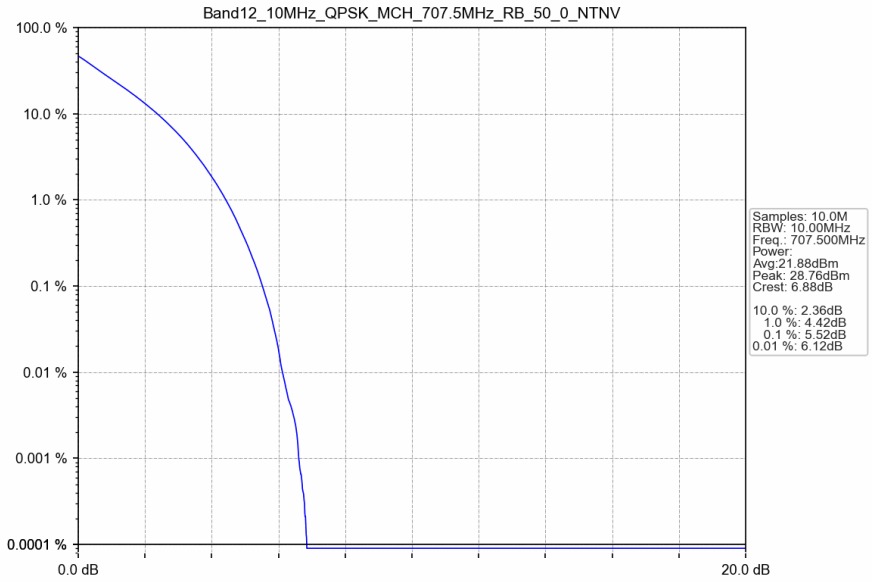
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.52	<=13	Pass
16QAM	707.5	50	0	6.16	<=13	Pass
64QAM	707.5	50	0	6.37	<=13	Pass

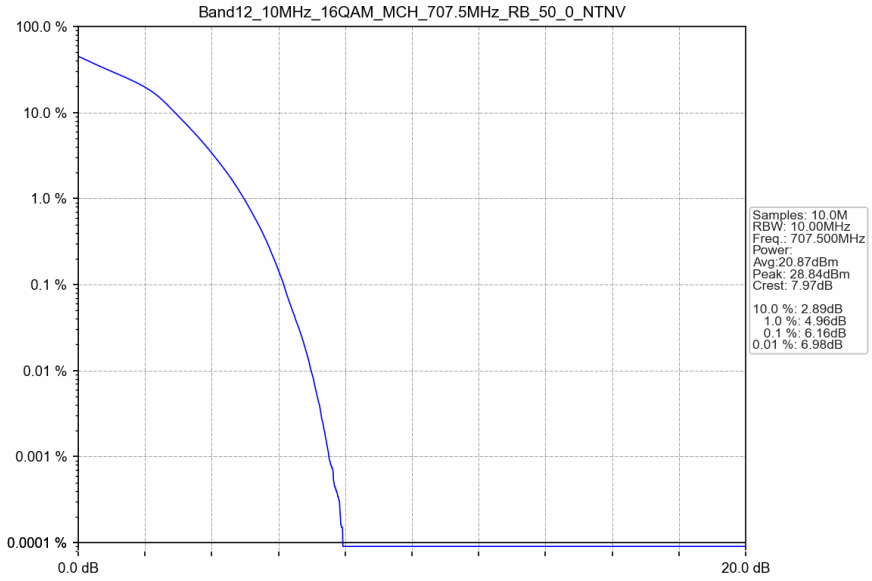
4.2 Test Graph

4.2.1 B12_10MHz

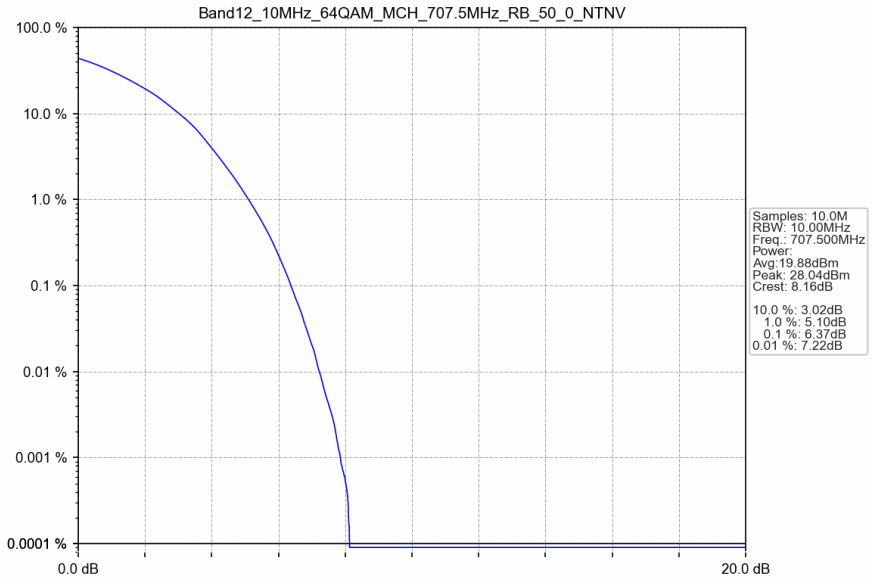
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



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

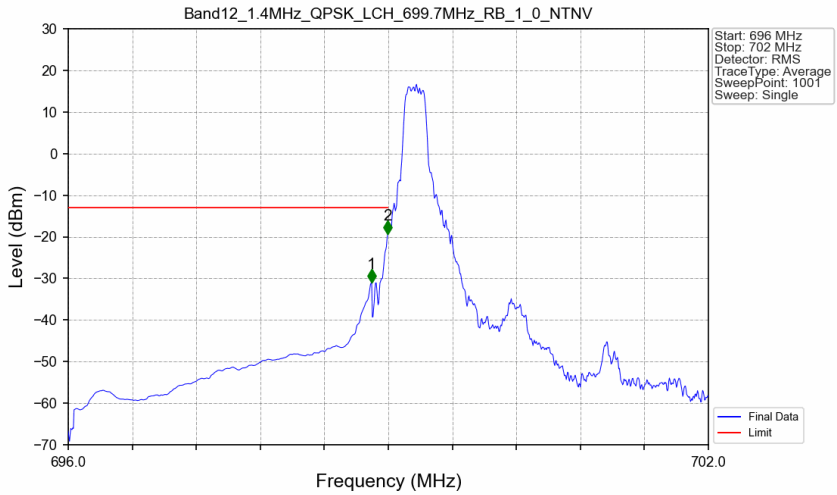
5.1.4 B12_10MHz

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

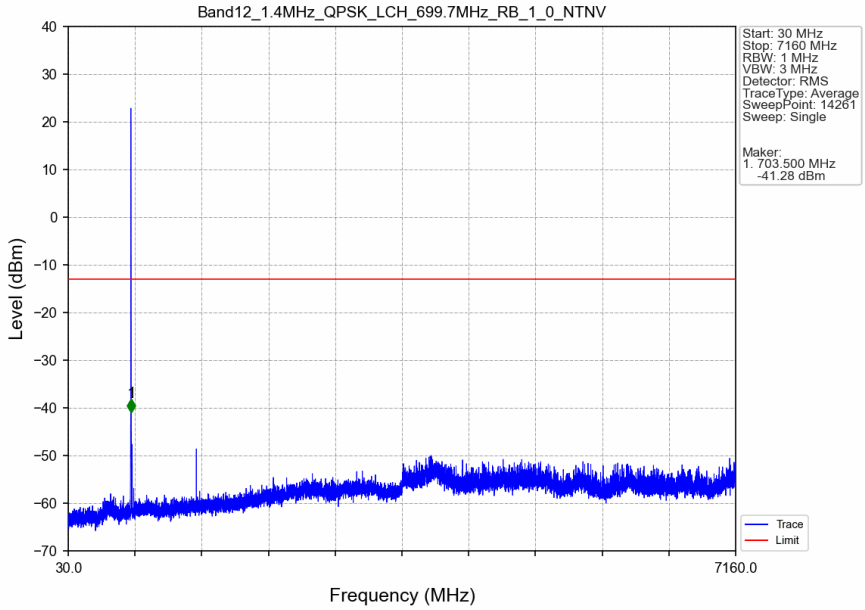
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

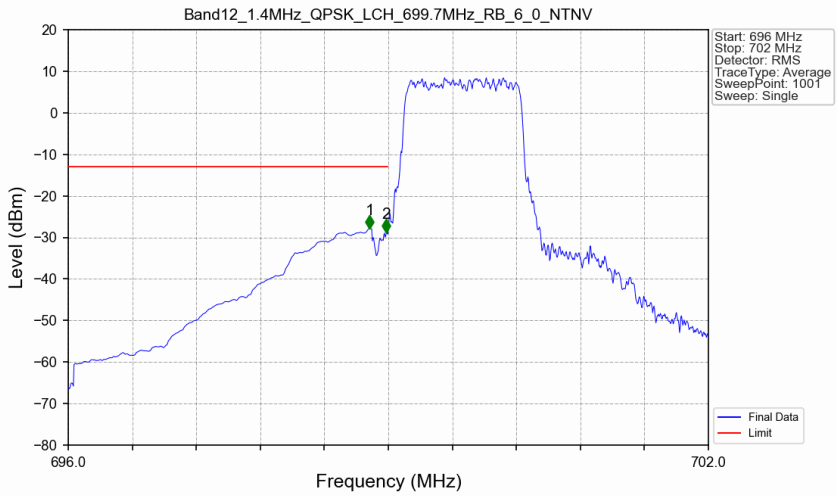


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.89	-13	Pass
698.9	699	0.03	/	2	698.994	-19.28	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

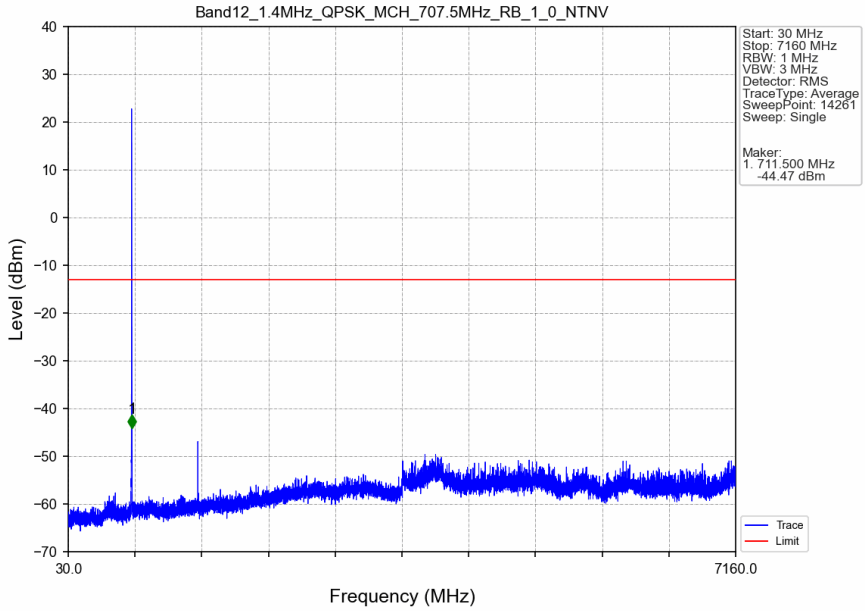


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

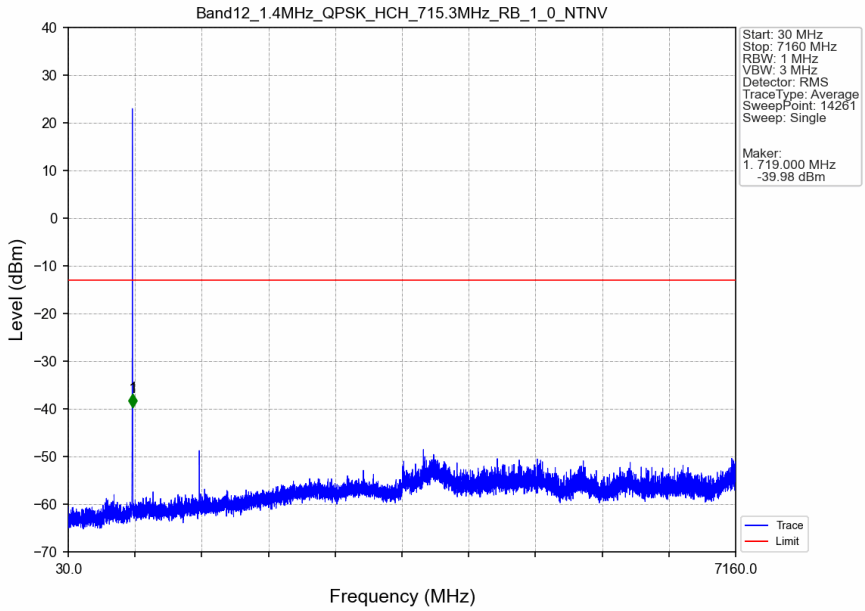


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.826	-27.85	-13	Pass
698.9	699	0.03	/	2	698.982	-28.68	-13	Pass
699	702	0.03	/	/	/	/	/	/

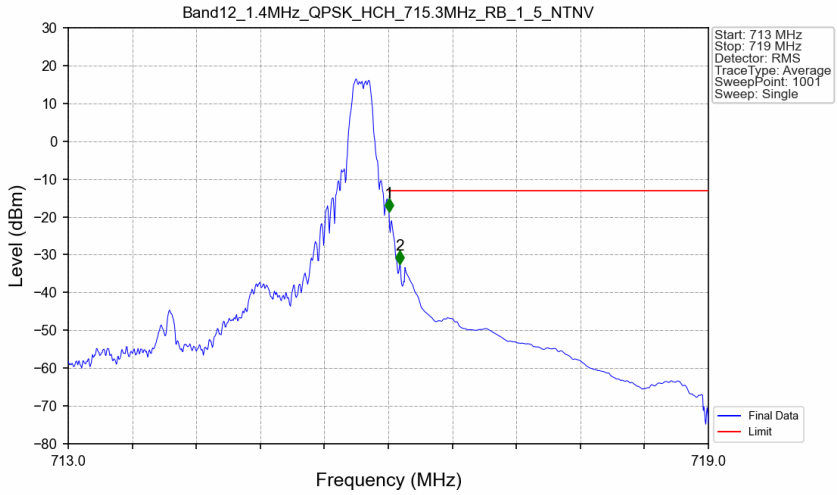
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

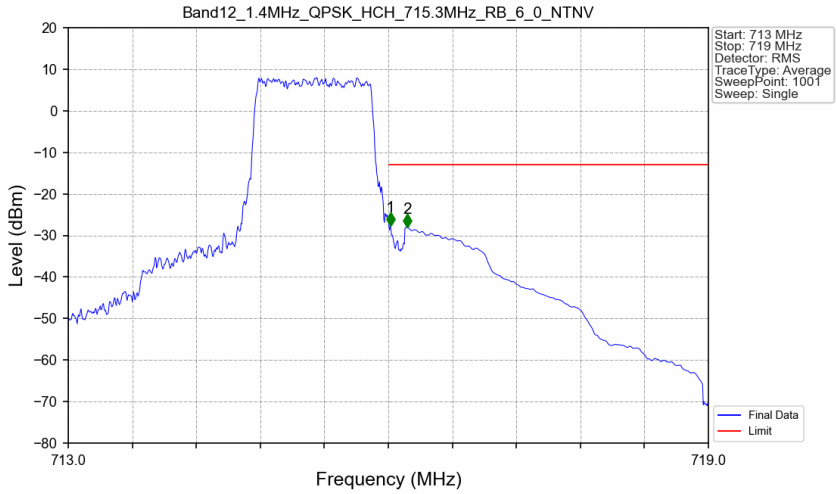


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	-18.57	-13	Pass
716.1	719	0.1	CHP	2	716.108	-32.44	-13	Pass

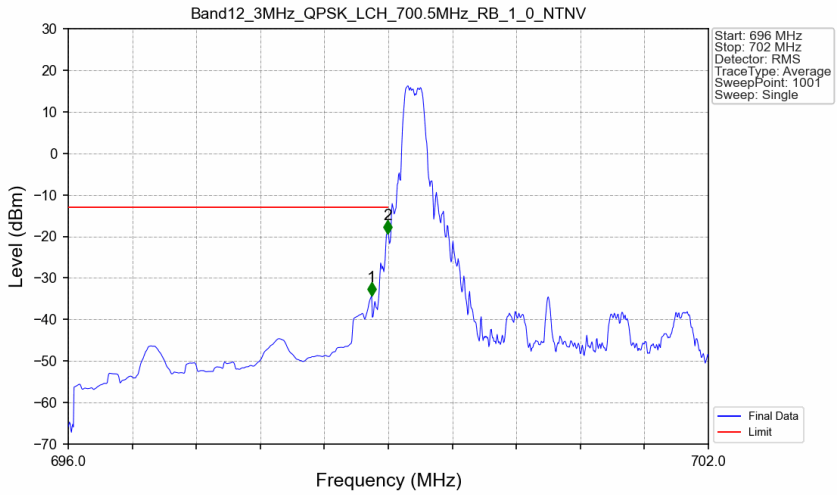
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	716.018	-27.67	-13	Pass
716.1	719	0.1	CHP	2	716.180	-28.09	-13	Pass

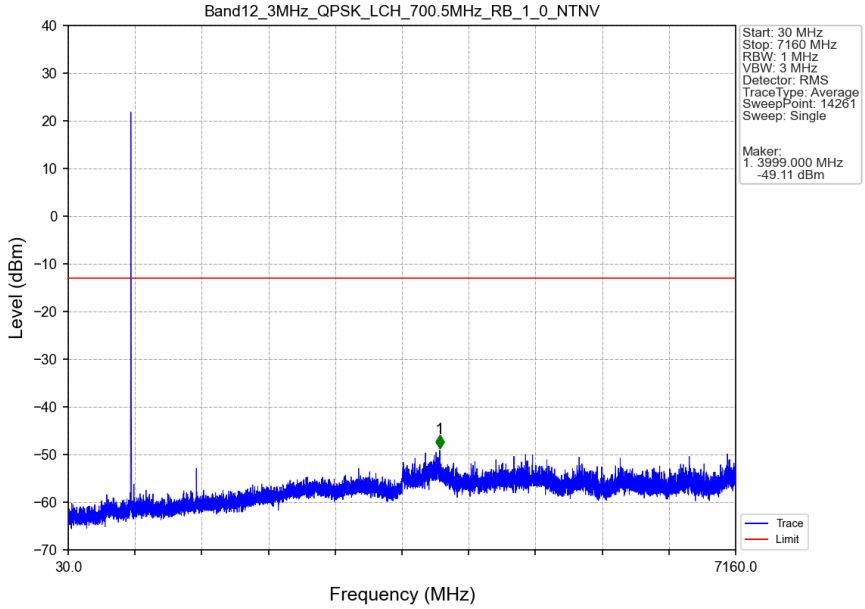
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

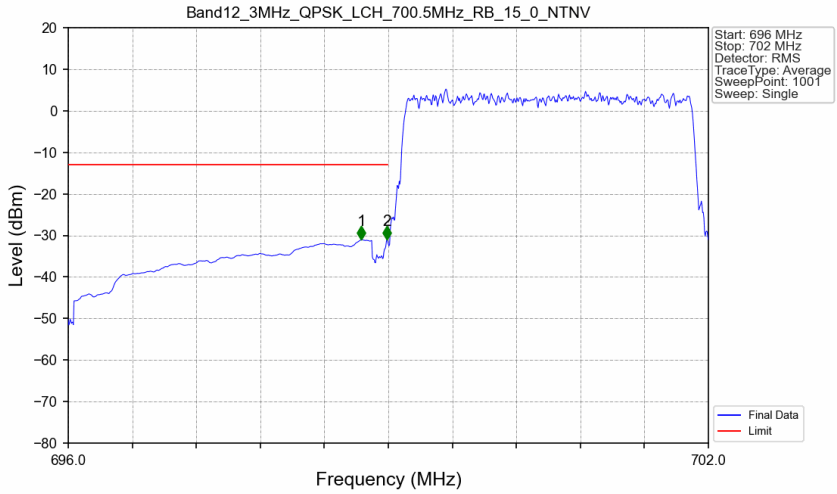


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-34.29	-13	Pass
698.9	699	0.03	/	2	698.994	-19.23	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

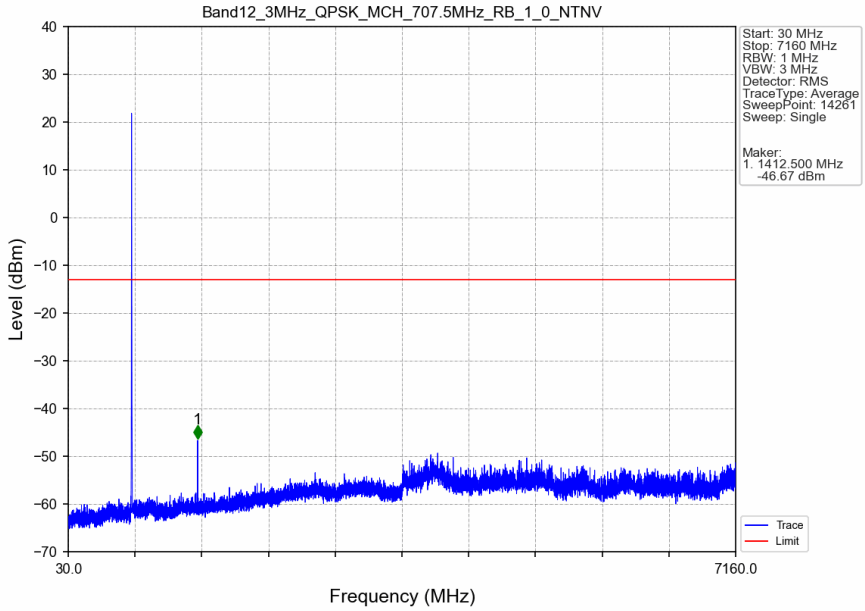


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

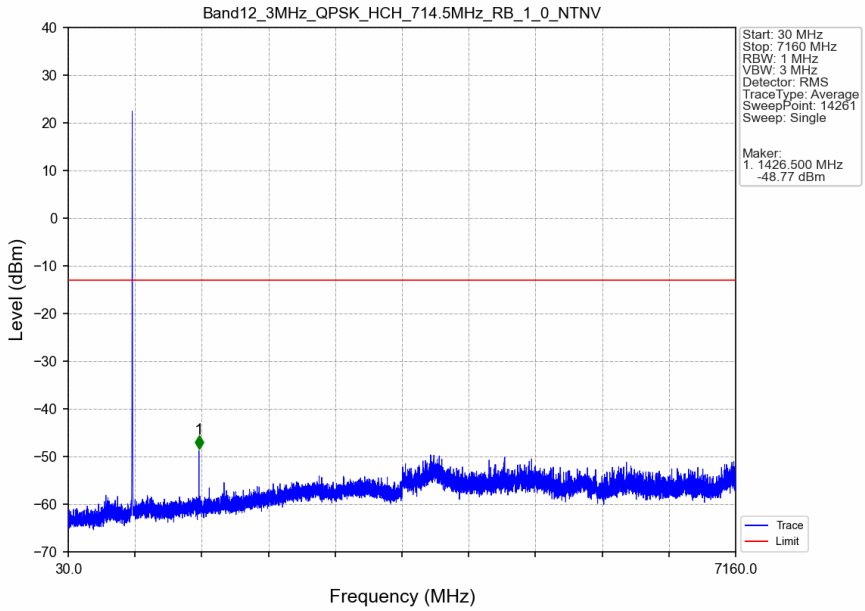


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.748	-31.03	-13	Pass
698.9	699	0.03	/	2	698.988	-30.92	-13	Pass
699	702	0.03	/	/	/	/	/	/

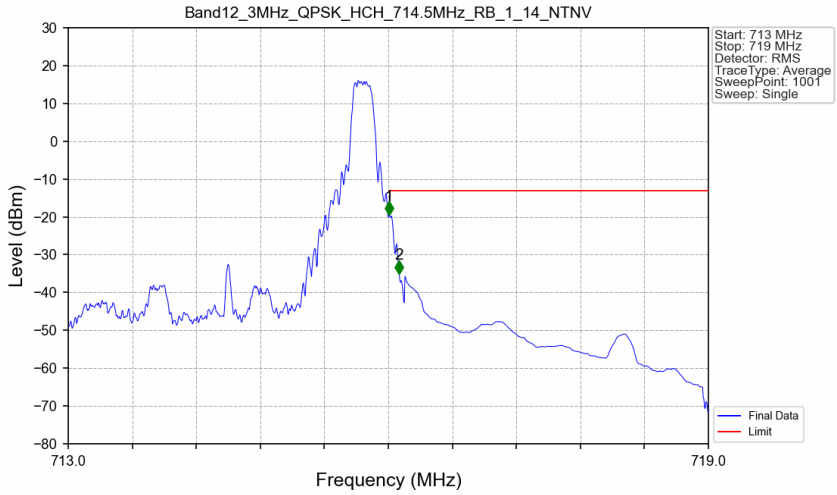
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

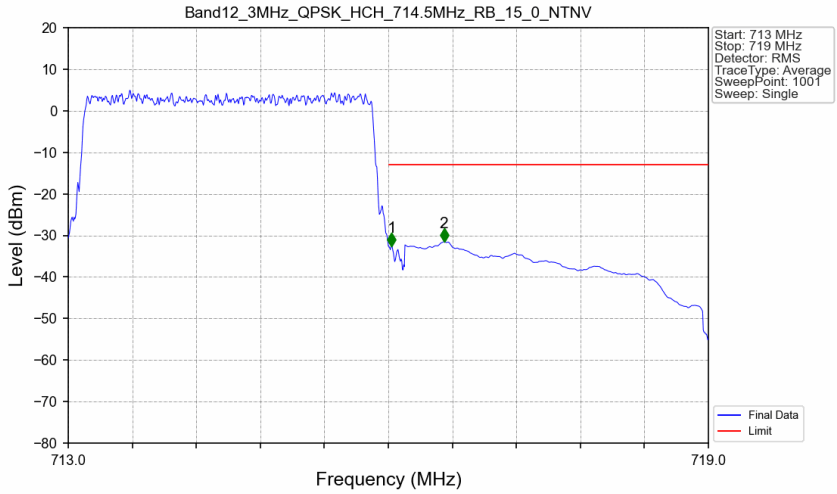


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	-19.52	-13	Pass
716.1	719	0.1	CHP	2	716.102	-34.96	-13	Pass

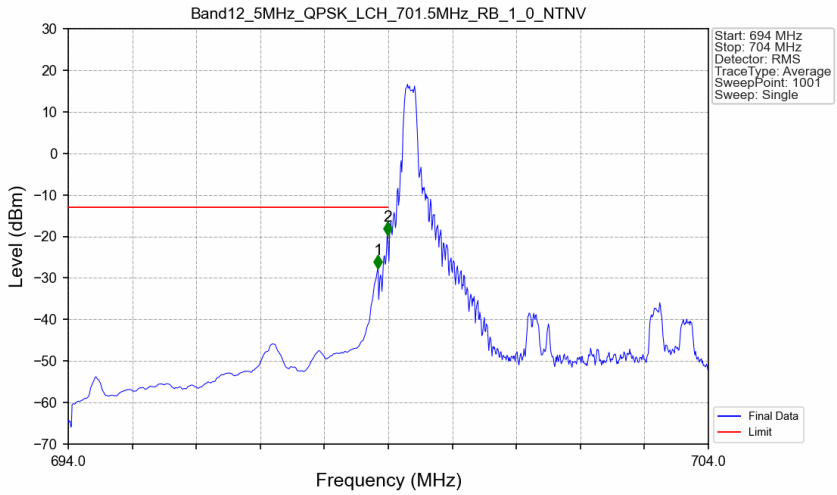
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	716.030	-32.51	-13	Pass
716.1	719	0.1	CHP	2	716.522	-31.53	-13	Pass

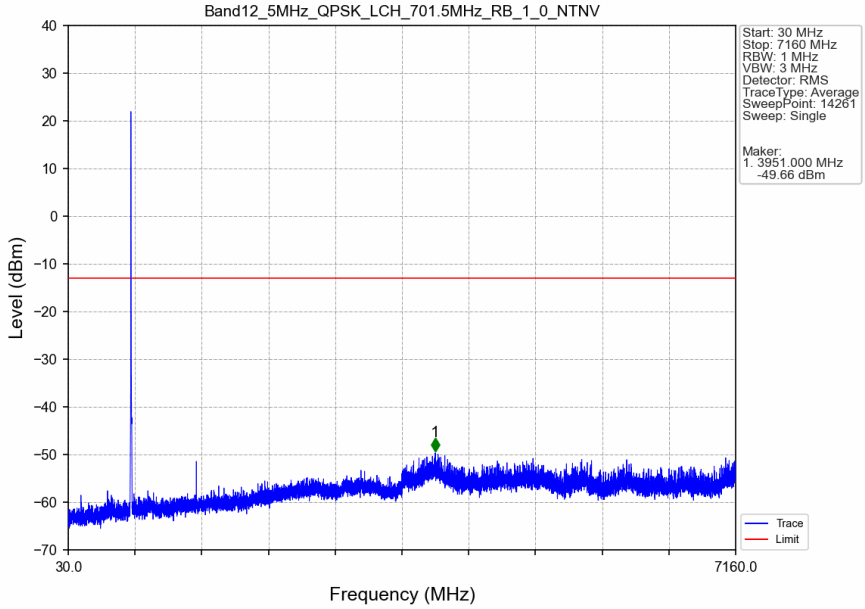
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

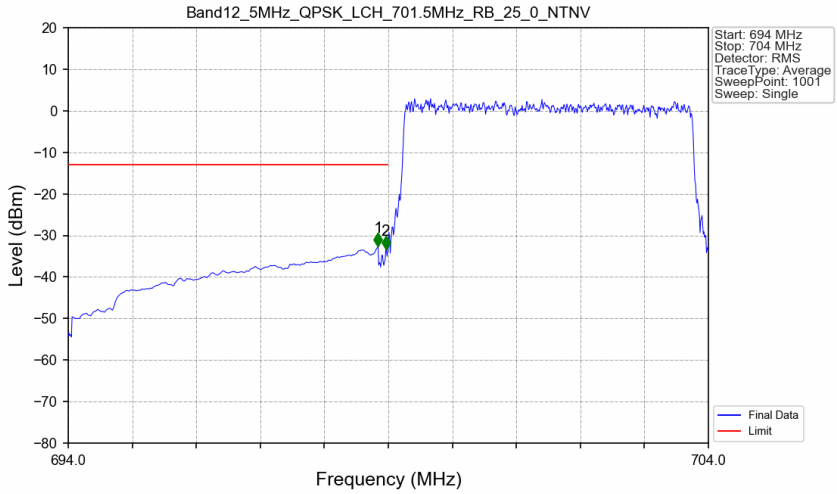


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-27.63	-13	Pass
698.9	699	0.03	/	2	698.990	-19.66	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

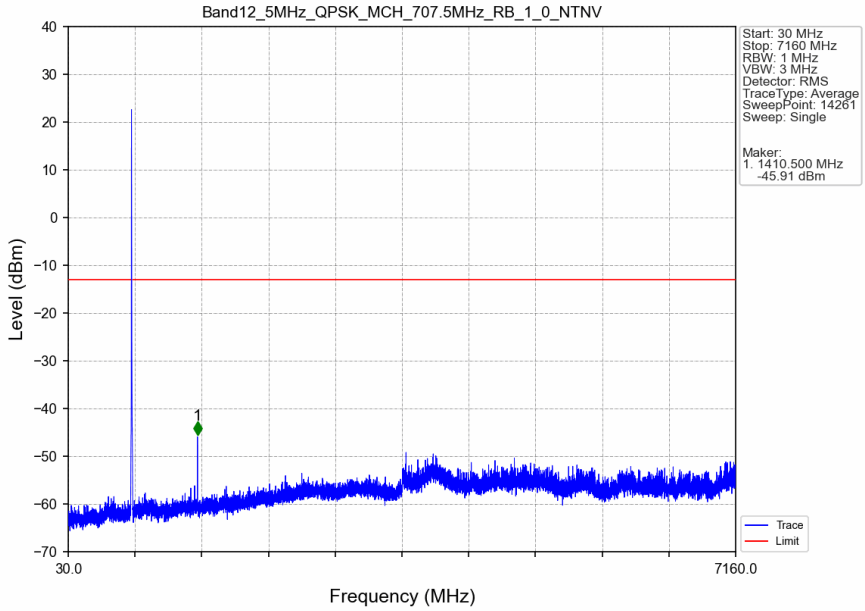


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

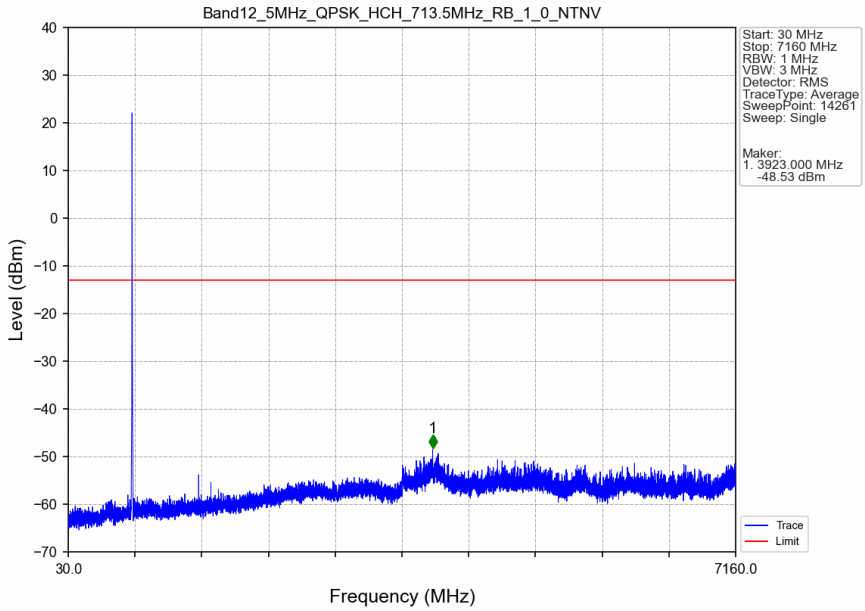


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-32.67	-13	Pass
698.9	699	0.03	/	2	698.960	-33.36	-13	Pass
699	704	0.03	/	/	/	/	/	/

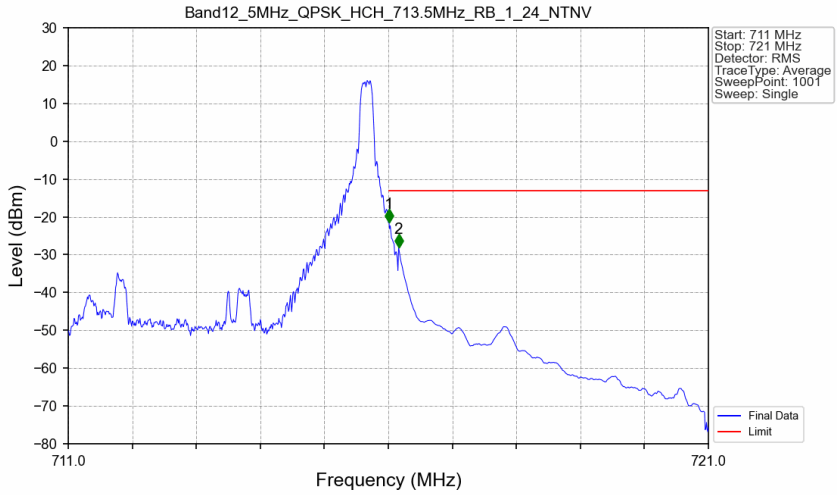
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

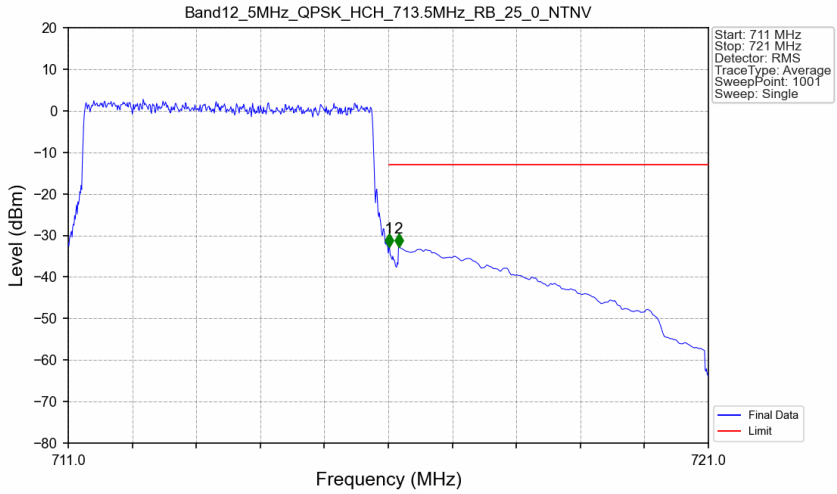


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-21.44	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.13	-13	Pass

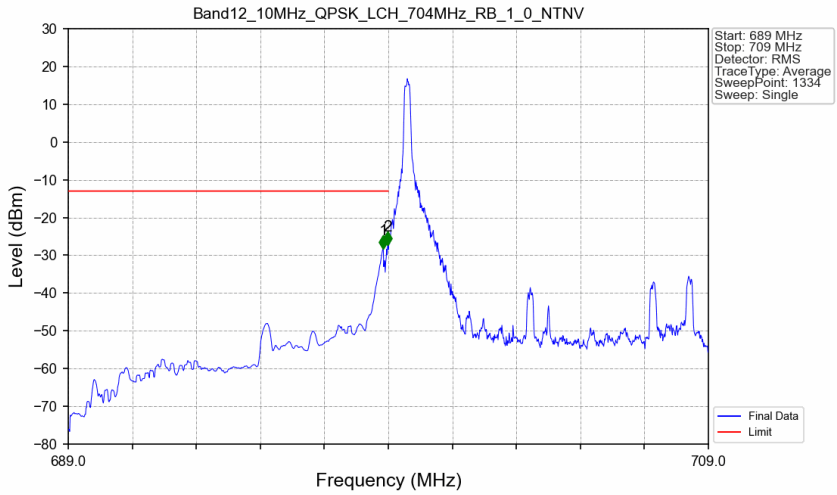
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	-32.82	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.75	-13	Pass

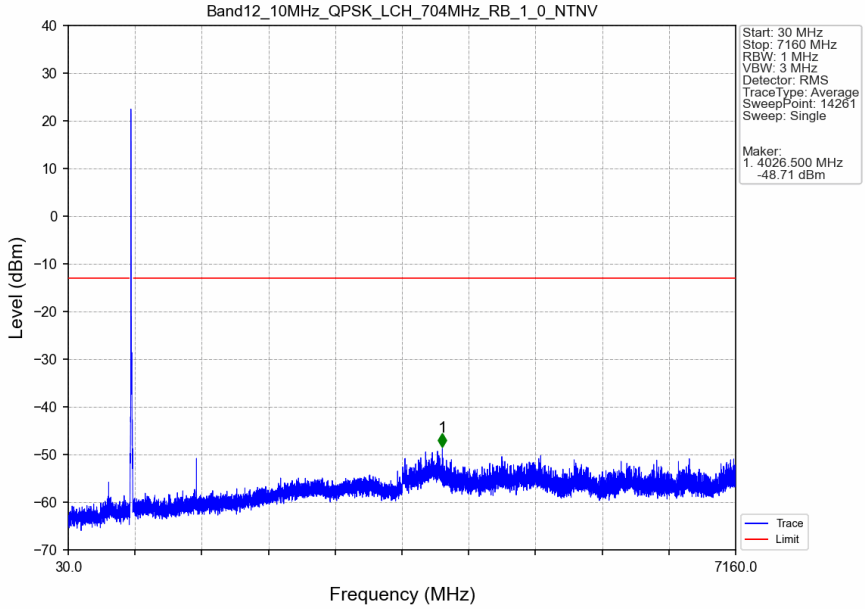
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

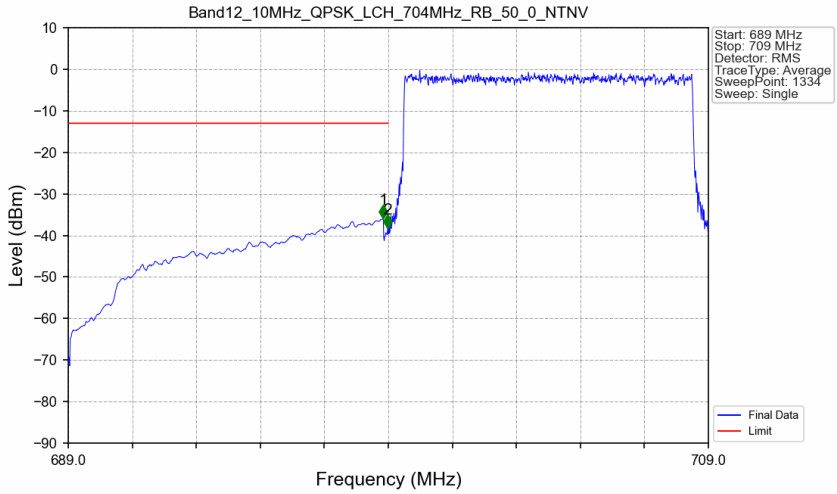


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-28.29	-13	Pass
698.9	699	0.03	/	2	698.977	-27.31	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

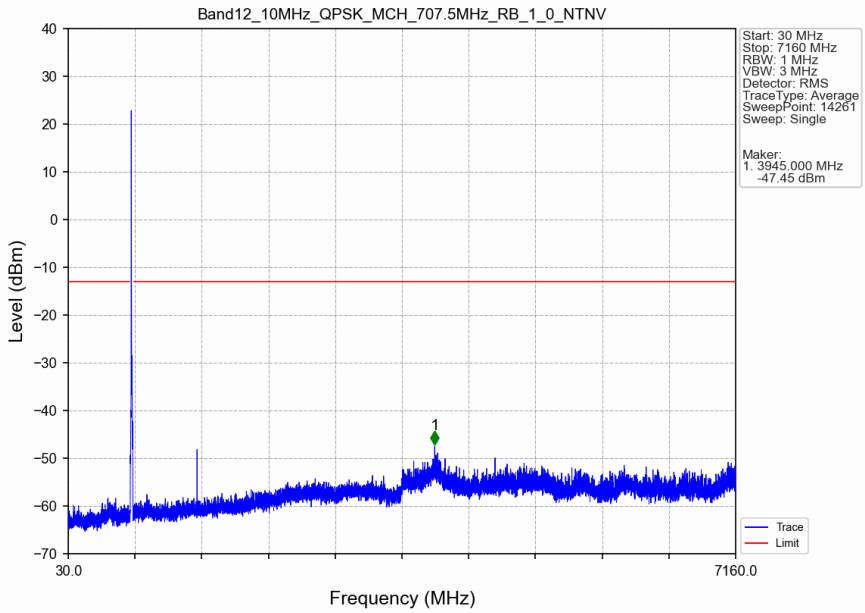


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

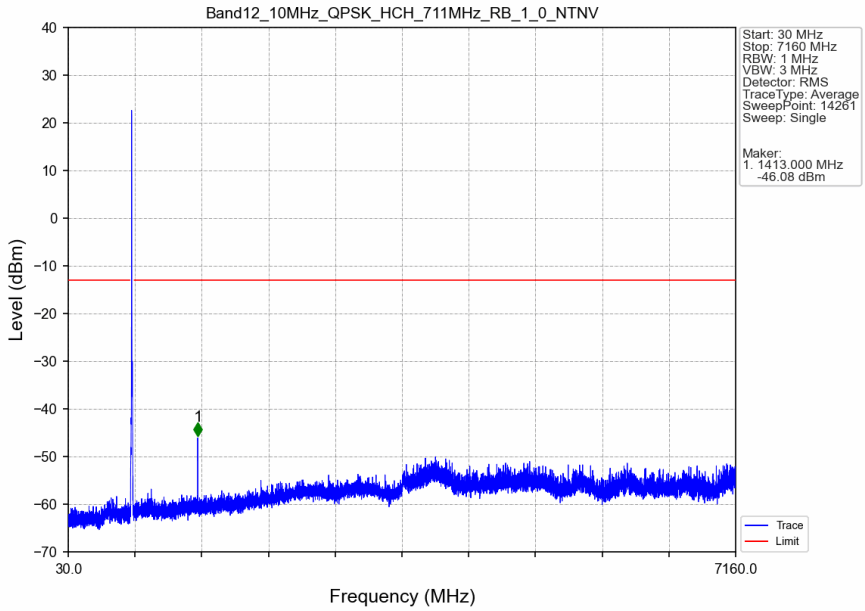


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-35.92	-13	Pass
698.9	699	0.03	/	2	698.977	-38.29	-13	Pass
699	709	0.03	/	/	/	/	/	/

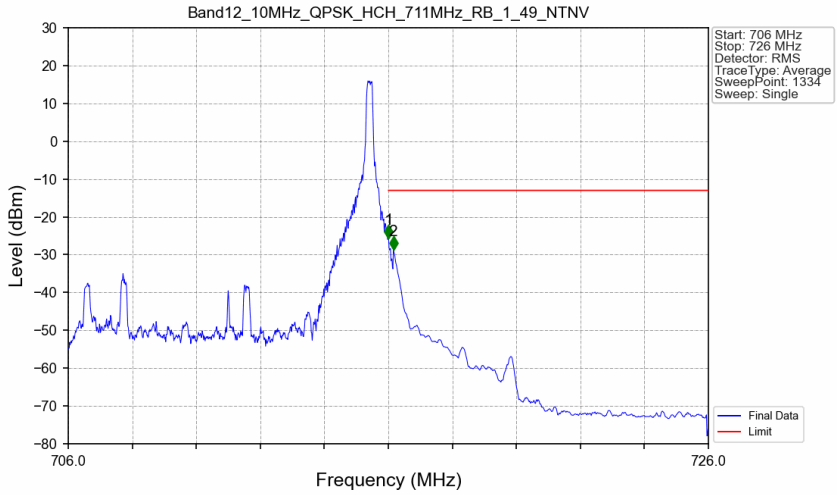
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

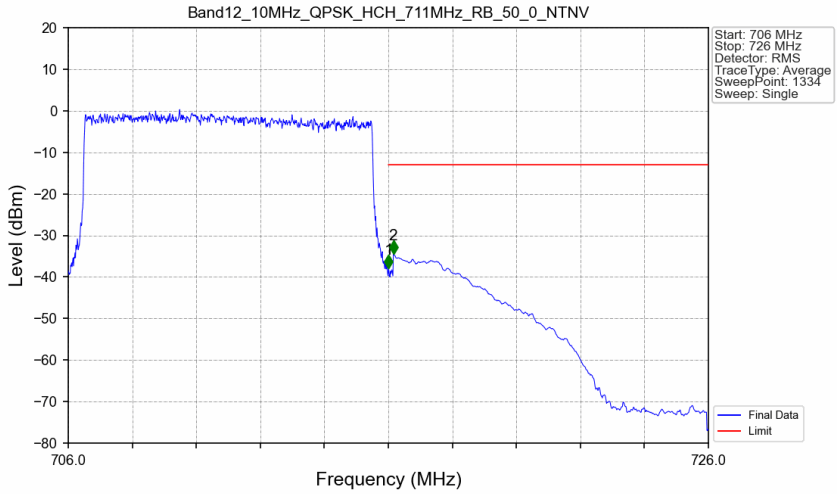


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-25.63	-13	Pass
716.1	726	0.1	CHP	2	716.158	-28.72	-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	-37.84	-13	Pass
716.1	726	0.1	CHP	2	716.158	-34.47	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 12-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	-65.24	-13	-52.24	-68.01	2.47	5.24	Horizontal	Pass
2098.5	-62.56	-13	-49.56	-64.63	2.79	4.86	Horizontal	Pass
2798.0	-60.88	-13	-47.88	-64.24	3.12	6.48	Horizontal	Pass
1399.0	-65.97	-13	-52.97	-68.74	2.47	5.24	Vertical	Pass
2098.5	-63.15	-13	-50.15	-65.22	2.79	4.86	Vertical	Pass
2798.0	-61.31	-13	-48.31	-64.67	3.12	6.48	Vertical	Pass

LTE Band 12-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	-65.48	-13	-52.48	-68.28	2.48	5.28	Horizontal	Pass
2109.0	-63.33	-13	-50.33	-65.41	2.8	4.88	Horizontal	Pass
2812.0	-60.52	-13	-47.52	-63.91	3.12	6.51	Horizontal	Pass
1406.0	-64.92	-13	-51.92	-67.72	2.48	5.28	Vertical	Pass
2109.0	-61.81	-13	-48.81	-63.89	2.8	4.88	Vertical	Pass
2812.0	-60.7	-13	-47.7	-64.09	3.12	6.51	Vertical	Pass

LTE Band 12-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	-65.82	-13	-52.82	-68.66	2.49	5.33	Horizontal	Pass
2119.5	-62.42	-13	-49.42	-64.52	2.81	4.91	Horizontal	Pass
2826.0	-61.06	-13	-48.06	-64.47	3.13	6.54	Horizontal	Pass
1413.0	-66.57	-13	-53.57	-69.41	2.49	5.33	Vertical	Pass
2119.5	-63.41	-13	-50.41	-65.51	2.81	4.91	Vertical	Pass
2826.0	-60.66	-13	-47.66	-64.07	3.13	6.54	Vertical	Pass