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	24.14	-6.70	15.29	<=34.77	Pass
			5	24.24	-6.70	15.39	<=34.77	Pass
		6	0	23.23	-6.70	14.38	<=34.77	Pass
	707.5	1	0	24.17	-6.70	15.32	<=34.77	Pass
			5	24.17	-6.70	15.32	<=34.77	Pass
		6	0	23.18	-6.70	14.33	<=34.77	Pass
	715.3	1	0	24.10	-6.70	15.25	<=34.77	Pass
			5	24.12	-6.70	15.27	<=34.77	Pass
		6	0	23.14	-6.70	14.29	<=34.77	Pass
16QAM	699.7	1	0	23.39	-6.70	14.54	<=34.77	Pass
			5	23.47	-6.70	14.62	<=34.77	Pass
		6	0	22.21	-6.70	13.36	<=34.77	Pass
	707.5	1	0	23.42	-6.70	14.57	<=34.77	Pass
			5	23.42	-6.70	14.57	<=34.77	Pass
		6	0	22.15	-6.70	13.30	<=34.77	Pass
	715.3	1	0	23.20	-6.70	14.35	<=34.77	Pass
			5	23.24	-6.70	14.39	<=34.77	Pass
		6	0	22.08	-6.70	13.23	<=34.77	Pass
64QAM	699.7	1	0	22.27	-6.70	13.42	<=34.77	Pass
			5	22.34	-6.70	13.49	<=34.77	Pass
		6	0	21.42	-6.70	12.57	<=34.77	Pass
	707.5	1	0	22.28	-6.70	13.43	<=34.77	Pass
			5	22.25	-6.70	13.40	<=34.77	Pass
		6	0	21.39	-6.70	12.54	<=34.77	Pass
	715.3	1	0	22.03	-6.70	13.18	<=34.77	Pass
			5	22.03	-6.70	13.18	<=34.77	Pass
		6	0	21.23	-6.70	12.38	<=34.77	Pass
256QAM	699.7	1	0	18.99	-6.70	10.14	<=34.77	Pass
			5	19.09	-6.70	10.24	<=34.77	Pass
		6	0	19.24	-6.70	10.39	<=34.77	Pass
	707.5	1	0	18.99	-6.70	10.14	<=34.77	Pass
			5	19.00	-6.70	10.15	<=34.77	Pass
		6	0	19.22	-6.70	10.37	<=34.77	Pass
	715.3	1	0	19.19	-6.70	10.34	<=34.77	Pass
			5	19.19	-6.70	10.34	<=34.77	Pass
		6	0	19.18	-6.70	10.33	<=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	24.26	-6.70	15.41	<=34.77	Pass
			14	24.31	-6.70	15.46	<=34.77	Pass
		15	0	23.24	-6.70	14.39	<=34.77	Pass
	707.5	1	0	24.20	-6.70	15.35	<=34.77	Pass

			14	24.17	-6.70	15.32	<=34.77	Pass
		15	0	23.19	-6.70	14.34	<=34.77	Pass
	714.5	1	0	24.19	-6.70	15.34	<=34.77	Pass
			14	24.19	-6.70	15.34	<=34.77	Pass
		15	0	23.19	-6.70	14.34	<=34.77	Pass
16QAM	700.5	1	0	23.72	-6.70	14.87	<=34.77	Pass
			14	23.76	-6.70	14.91	<=34.77	Pass
		15	0	22.32	-6.70	13.47	<=34.77	Pass
	707.5	1	0	23.28	-6.70	14.43	<=34.77	Pass
			14	23.26	-6.70	14.41	<=34.77	Pass
		15	0	22.23	-6.70	13.38	<=34.77	Pass
	714.5	1	0	23.70	-6.70	14.85	<=34.77	Pass
			14	23.64	-6.70	14.79	<=34.77	Pass
		15	0	22.25	-6.70	13.40	<=34.77	Pass
64QAM	700.5	1	0	22.45	-6.70	13.60	<=34.77	Pass
			14	22.52	-6.70	13.67	<=34.77	Pass
		15	0	21.26	-6.70	12.41	<=34.77	Pass
	707.5	1	0	22.46	-6.70	13.61	<=34.77	Pass
			14	22.43	-6.70	13.58	<=34.77	Pass
		15	0	21.19	-6.70	12.34	<=34.77	Pass
	714.5	1	0	22.21	-6.70	13.36	<=34.77	Pass
			14	22.20	-6.70	13.35	<=34.77	Pass
		15	0	21.28	-6.70	12.43	<=34.77	Pass
256QAM	700.5	1	0	19.60	-6.70	10.75	<=34.77	Pass
			14	19.67	-6.70	10.82	<=34.77	Pass
		15	0	19.27	-6.70	10.42	<=34.77	Pass
	707.5	1	0	19.59	-6.70	10.74	<=34.77	Pass
			14	19.58	-6.70	10.73	<=34.77	Pass
		15	0	19.18	-6.70	10.33	<=34.77	Pass
	714.5	1	0	18.98	-6.70	10.13	<=34.77	Pass
			14	18.93	-6.70	10.08	<=34.77	Pass
		15	0	19.25	-6.70	10.40	<=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	24.45	-6.70	15.60	<=34.77	Pass
			24	24.41	-6.70	15.56	<=34.77	Pass
		25	0	23.31	-6.70	14.46	<=34.77	Pass
	707.5	1	0	24.41	-6.70	15.56	<=34.77	Pass
			24	24.35	-6.70	15.50	<=34.77	Pass
		25	0	23.27	-6.70	14.42	<=34.77	Pass
	713.5	1	0	24.31	-6.70	15.46	<=34.77	Pass
			24	24.31	-6.70	15.46	<=34.77	Pass
		25	0	23.25	-6.70	14.40	<=34.77	Pass
16QAM	701.5	1	0	23.17	-6.70	14.32	<=34.77	Pass
			24	23.19	-6.70	14.34	<=34.77	Pass
		25	0	22.36	-6.70	13.51	<=34.77	Pass
	707.5	1	0	23.15	-6.70	14.30	<=34.77	Pass
			24	23.11	-6.70	14.26	<=34.77	Pass
		25	0	22.28	-6.70	13.43	<=34.77	Pass
	713.5	1	0	23.07	-6.70	14.22	<=34.77	Pass
			24	23.06	-6.70	14.21	<=34.77	Pass
		25	0	22.29	-6.70	13.44	<=34.77	Pass

64QAM	701.5	1	0	22.28	-6.70	13.43	<=34.77	Pass
			24	22.31	-6.70	13.46	<=34.77	Pass
		25	0	21.33	-6.70	12.48	<=34.77	Pass
	707.5	1	0	22.27	-6.70	13.42	<=34.77	Pass
			24	22.20	-6.70	13.35	<=34.77	Pass
		25	0	21.26	-6.70	12.41	<=34.77	Pass
	713.5	1	0	22.20	-6.70	13.35	<=34.77	Pass
			24	22.18	-6.70	13.33	<=34.77	Pass
		25	0	21.27	-6.70	12.42	<=34.77	Pass
256QAM	701.5	1	0	19.03	-6.70	10.18	<=34.77	Pass
			24	19.05	-6.70	10.20	<=34.77	Pass
		25	0	19.34	-6.70	10.49	<=34.77	Pass
	707.5	1	0	19.01	-6.70	10.16	<=34.77	Pass
			24	18.96	-6.70	10.11	<=34.77	Pass
		25	0	19.30	-6.70	10.45	<=34.77	Pass
	713.5	1	0	18.94	-6.70	10.09	<=34.77	Pass
			24	18.94	-6.70	10.09	<=34.77	Pass
		25	0	19.27	-6.70	10.42	<=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	24.38	-6.70	15.53	<=34.77	Pass
			49	24.31	-6.70	15.46	<=34.77	Pass
		50	0	23.29	-6.70	14.44	<=34.77	Pass
	707.5	1	0	24.37	-6.70	15.52	<=34.77	Pass
			49	24.31	-6.70	15.46	<=34.77	Pass
		50	0	23.24	-6.70	14.39	<=34.77	Pass
	711	1	0	24.33	-6.70	15.48	<=34.77	Pass
			49	24.30	-6.70	15.45	<=34.77	Pass
		50	0	23.18	-6.70	14.33	<=34.77	Pass
16QAM	704	1	0	23.82	-6.70	14.97	<=34.77	Pass
			49	23.76	-6.70	14.91	<=34.77	Pass
		50	0	22.28	-6.70	13.43	<=34.77	Pass
	707.5	1	0	23.86	-6.70	15.01	<=34.77	Pass
			49	23.77	-6.70	14.92	<=34.77	Pass
		50	0	22.25	-6.70	13.40	<=34.77	Pass
	711	1	0	23.82	-6.70	14.97	<=34.77	Pass
			49	23.73	-6.70	14.88	<=34.77	Pass
		50	0	22.21	-6.70	13.36	<=34.77	Pass
64QAM	704	1	0	22.56	-6.70	13.71	<=34.77	Pass
			49	22.50	-6.70	13.65	<=34.77	Pass
		50	0	21.31	-6.70	12.46	<=34.77	Pass
	707.5	1	0	22.58	-6.70	13.73	<=34.77	Pass
			49	22.50	-6.70	13.65	<=34.77	Pass
		50	0	21.27	-6.70	12.42	<=34.77	Pass
	711	1	0	22.56	-6.70	13.71	<=34.77	Pass
			49	22.49	-6.70	13.64	<=34.77	Pass
		50	0	21.21	-6.70	12.36	<=34.77	Pass
256QAM	704	1	0	19.70	-6.70	10.85	<=34.77	Pass
			49	19.67	-6.70	10.82	<=34.77	Pass
		50	0	19.29	-6.70	10.44	<=34.77	Pass
	707.5	1	0	19.73	-6.70	10.88	<=34.77	Pass
			49	19.67	-6.70	10.82	<=34.77	Pass

		50	0	19.27	-6.70	10.42	<=34.77	Pass
	711	1	0	19.72	-6.70	10.87	<=34.77	Pass
			49	19.66	-6.70	10.81	<=34.77	Pass
		50	0	19.19	-6.70	10.34	<=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	3.7	-2.289	-0.0032	-2.5 to 2.5	Pass
					3.91	-1.445	-0.0020	-2.5 to 2.5	Pass
					4.3	-3.219	-0.0045	-2.5 to 2.5	Pass
				-30	3.91	-2.003	-0.0028	-2.5 to 2.5	Pass
				-20	3.91	-1.874	-0.0026	-2.5 to 2.5	Pass
				-10	3.91	-2.017	-0.0029	-2.5 to 2.5	Pass
				0	3.91	-1.144	-0.0016	-2.5 to 2.5	Pass
				10	3.91	-1.960	-0.0028	-2.5 to 2.5	Pass
				30	3.91	-3.090	-0.0044	-2.5 to 2.5	Pass
				40	3.91	-0.143	-0.0002	-2.5 to 2.5	Pass
				50	3.91	-1.159	-0.0016	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

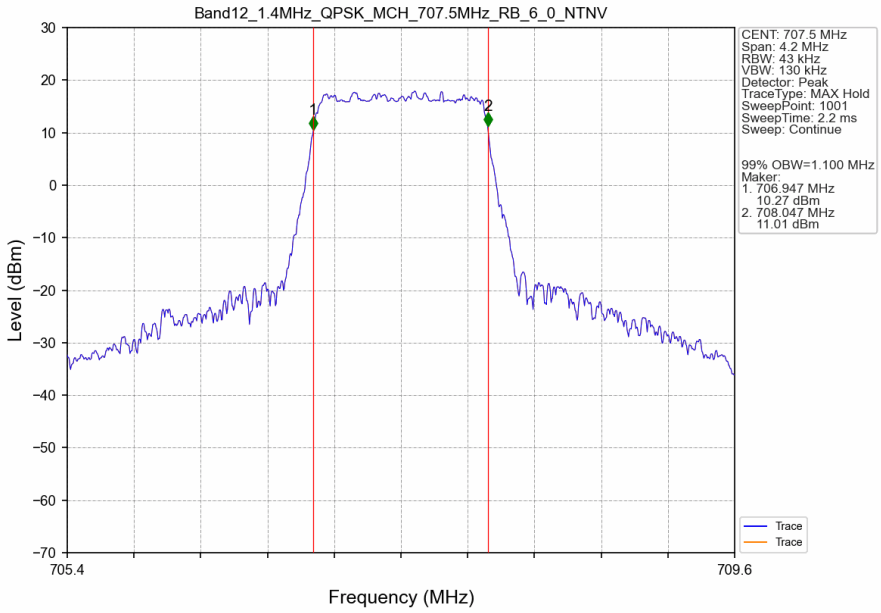
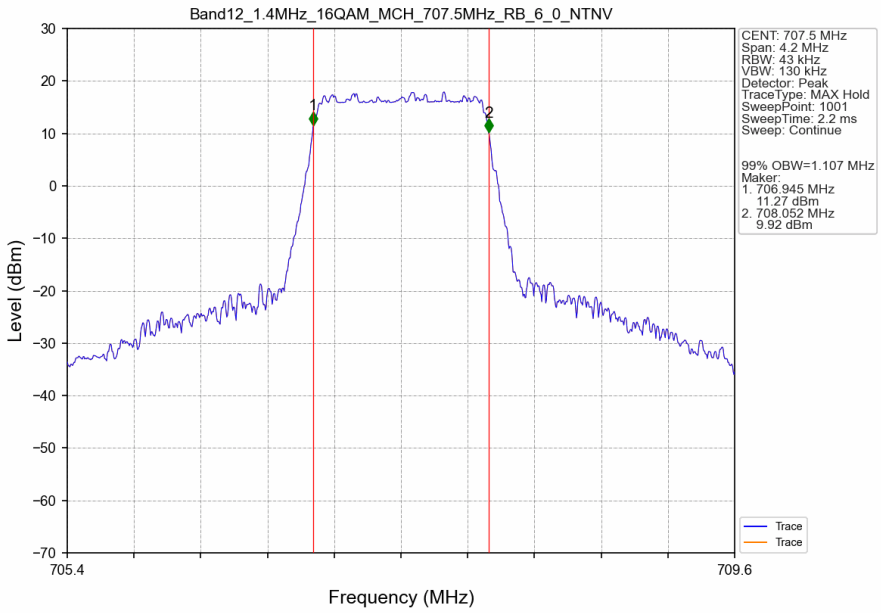
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.100	/	Pass
	16QAM	707.5	6	0	1.107	/	Pass
3	QPSK	707.5	15	0	2.745	/	Pass
	16QAM	707.5	15	0	2.746	/	Pass
5	QPSK	707.5	25	0	4.552	/	Pass
	16QAM	707.5	25	0	4.550	/	Pass
10	QPSK	707.5	50	0	9.064	/	Pass
	16QAM	707.5	50	0	9.030	/	Pass

3.1.2 Band12_XDB

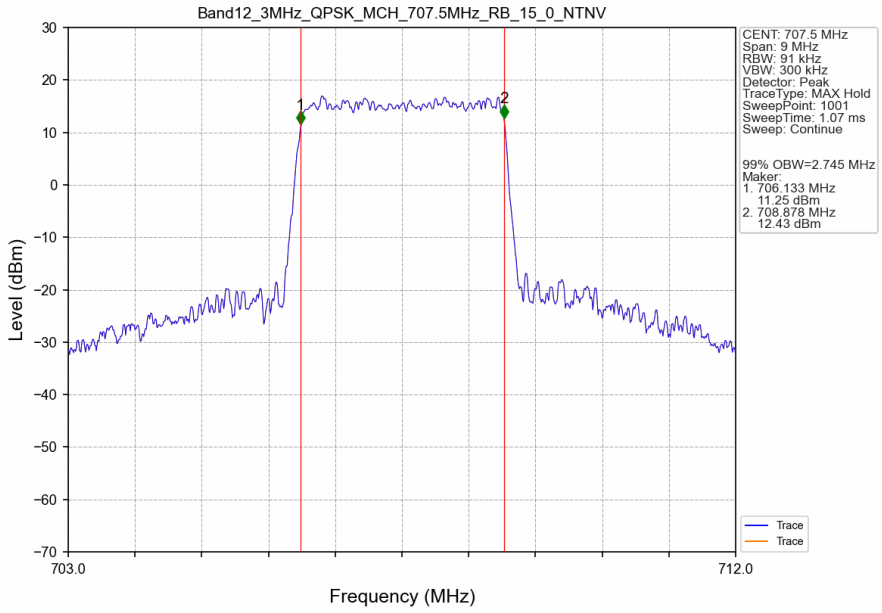
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.325	/	Pass
	16QAM	707.5	6	0	1.327	/	Pass
3	QPSK	707.5	15	0	3.016	/	Pass
	16QAM	707.5	15	0	3.020	/	Pass
5	QPSK	707.5	25	0	5.051	/	Pass
	16QAM	707.5	25	0	5.052	/	Pass
10	QPSK	707.5	50	0	10.044	/	Pass
	16QAM	707.5	50	0	9.935	/	Pass

3.2 Test Graph

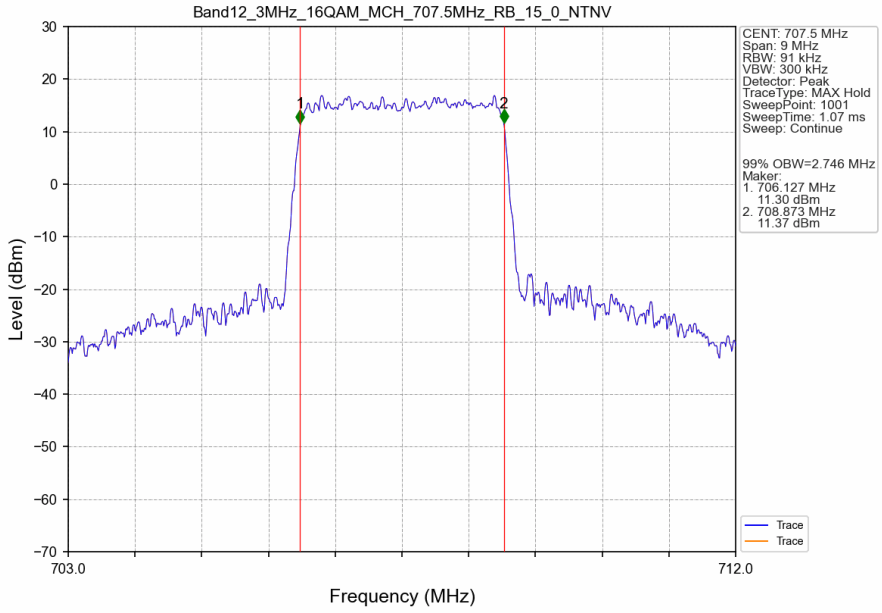
3.2.1 Band12_OBW

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


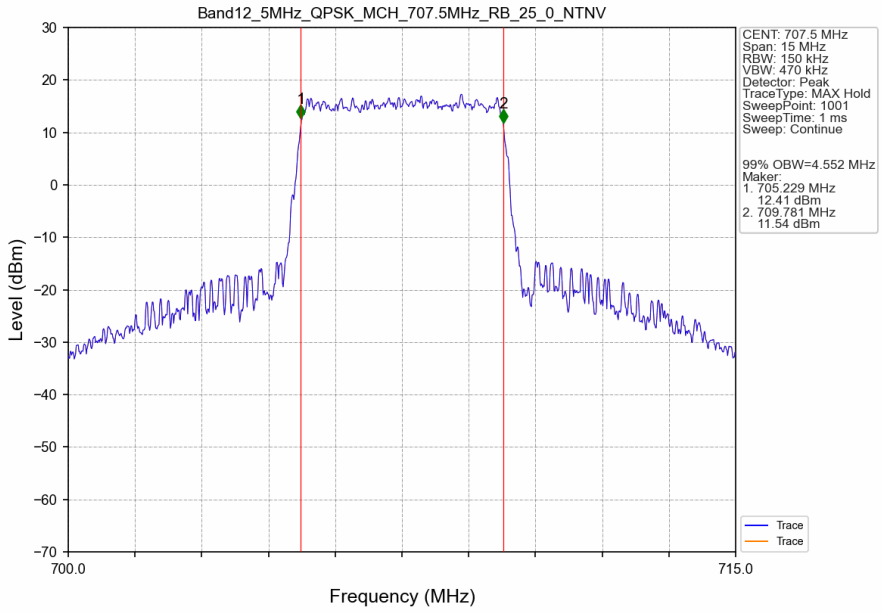
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



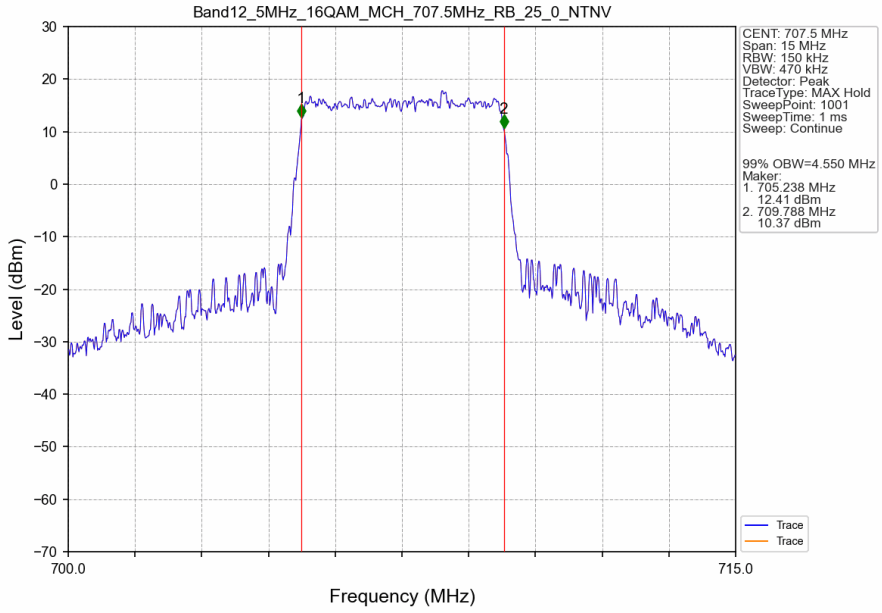
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



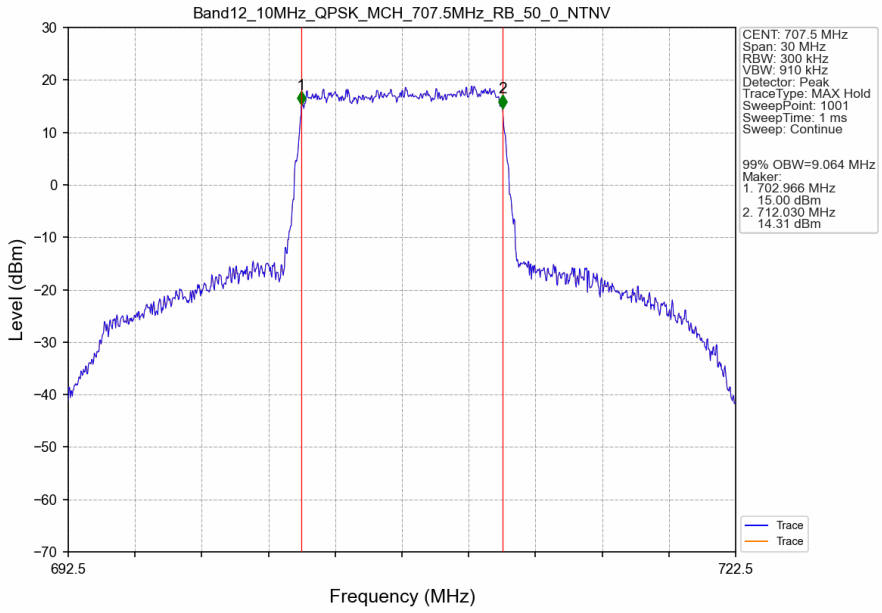
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



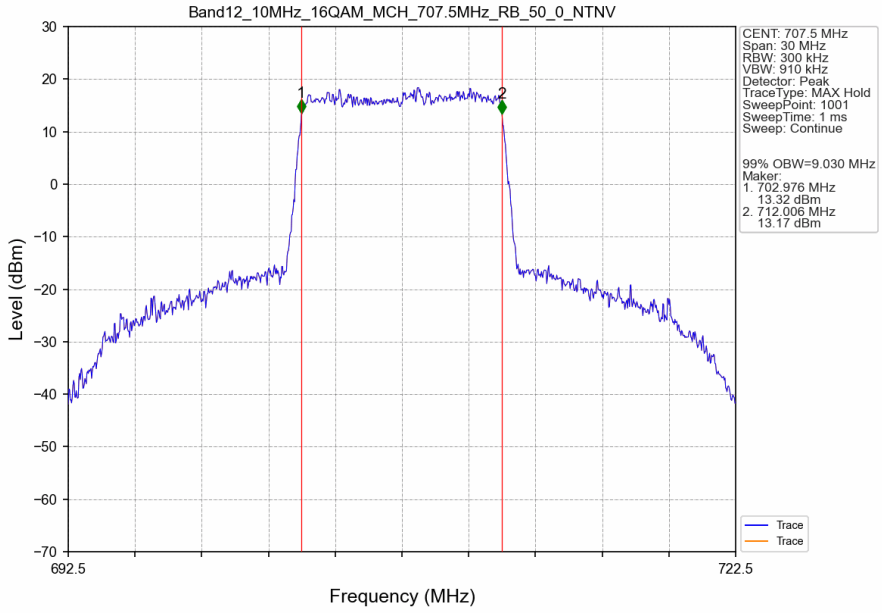
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



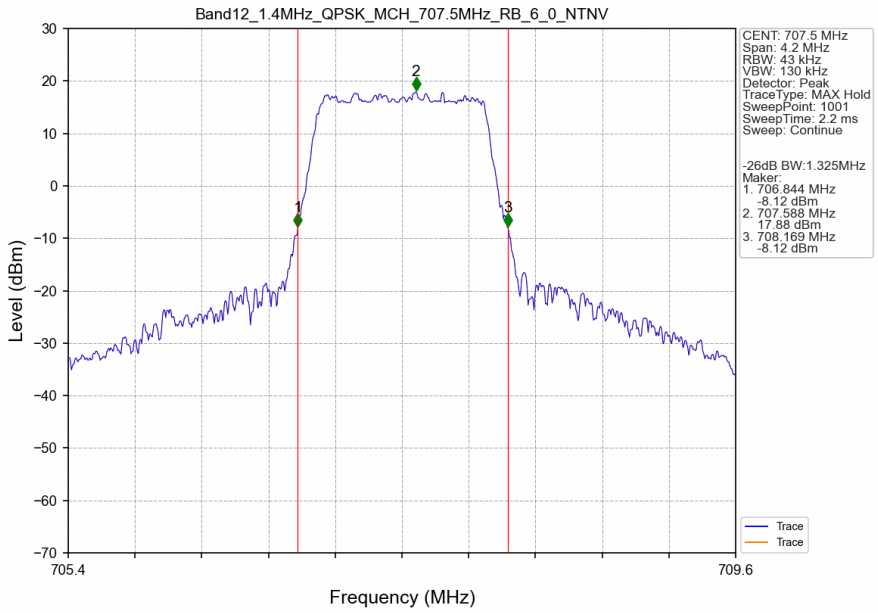
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

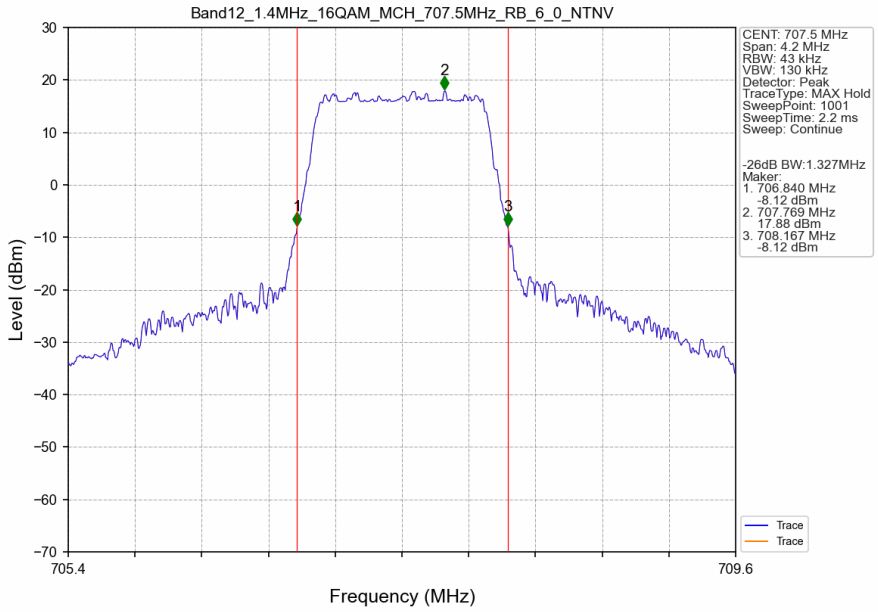


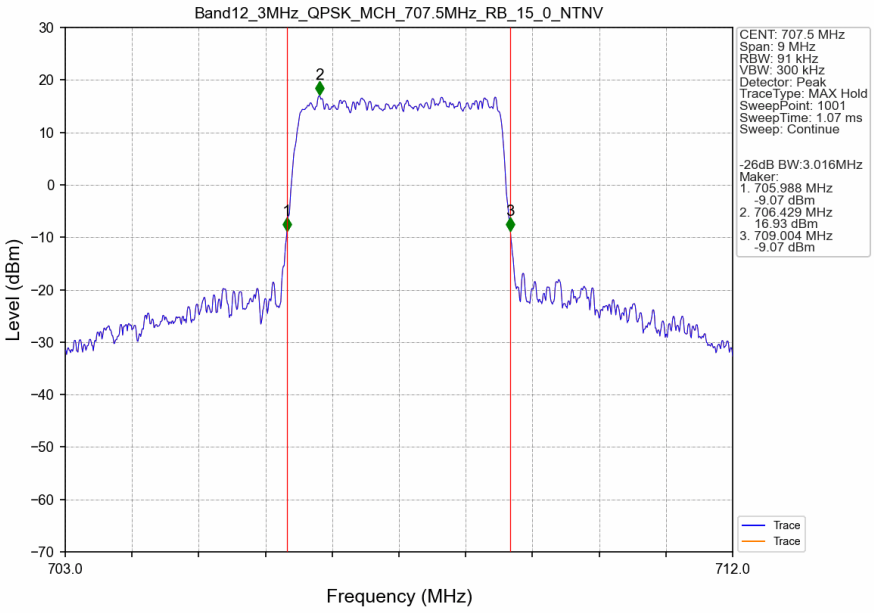
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

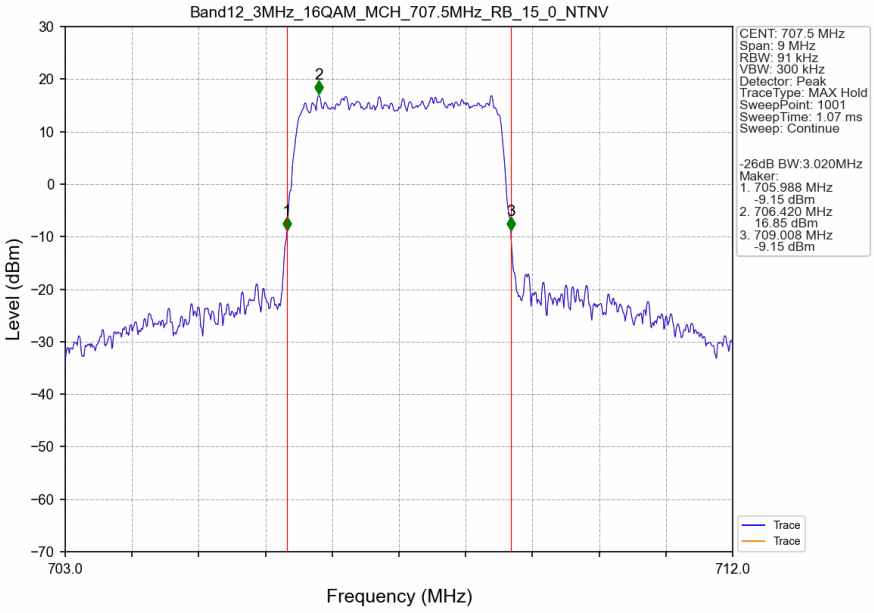


3.2.2 Band12_XDB

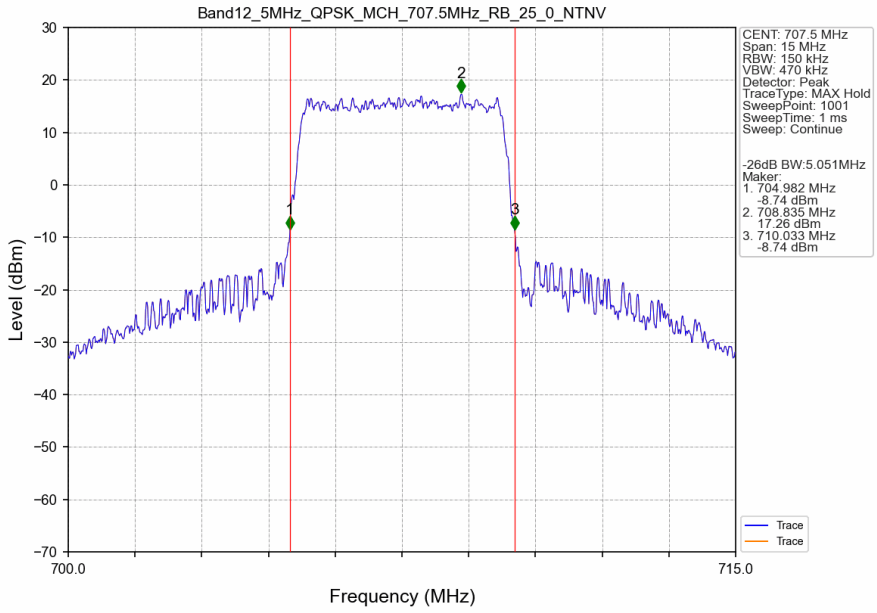
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


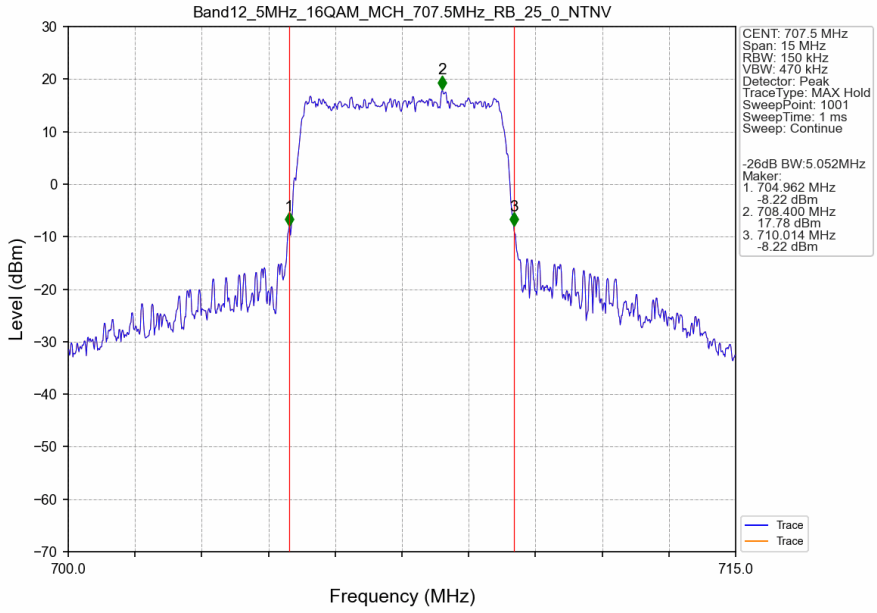
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV


Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV


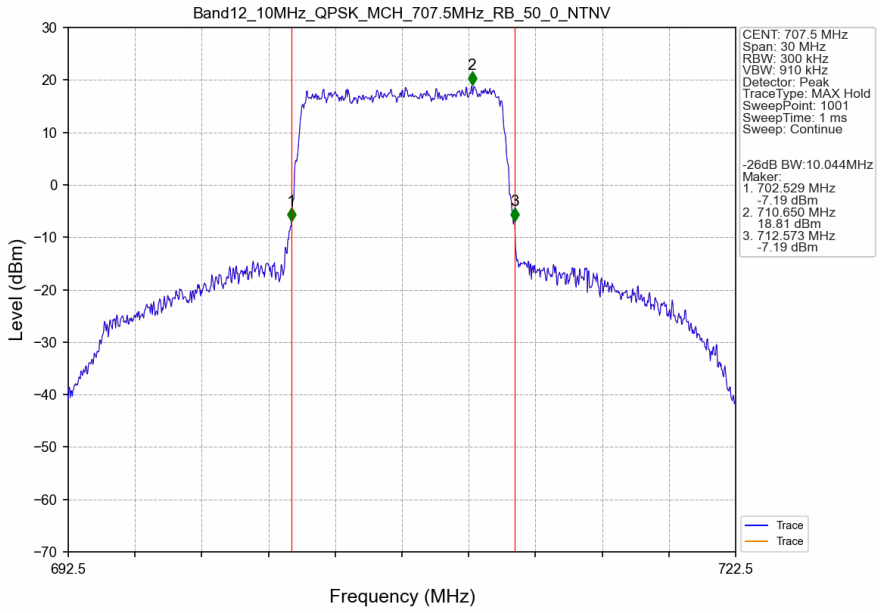
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



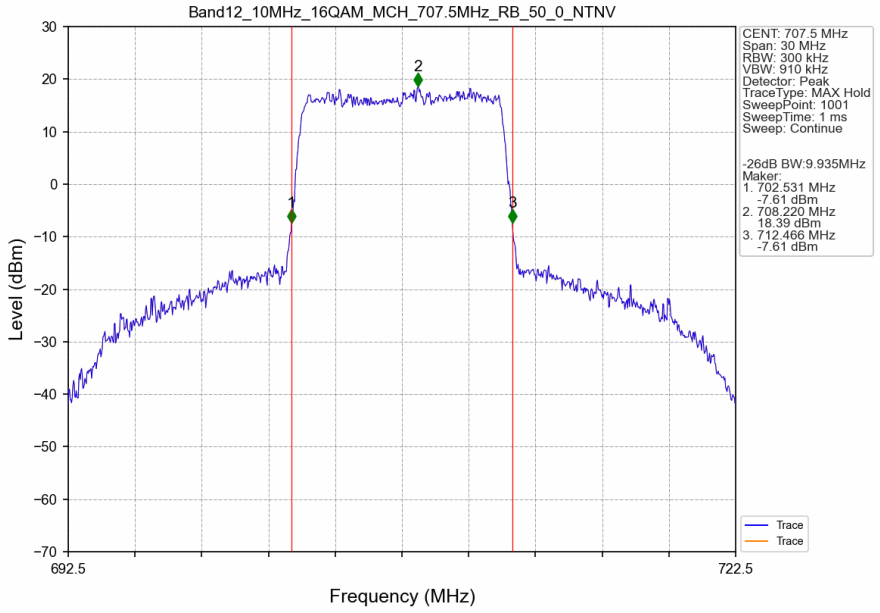
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



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

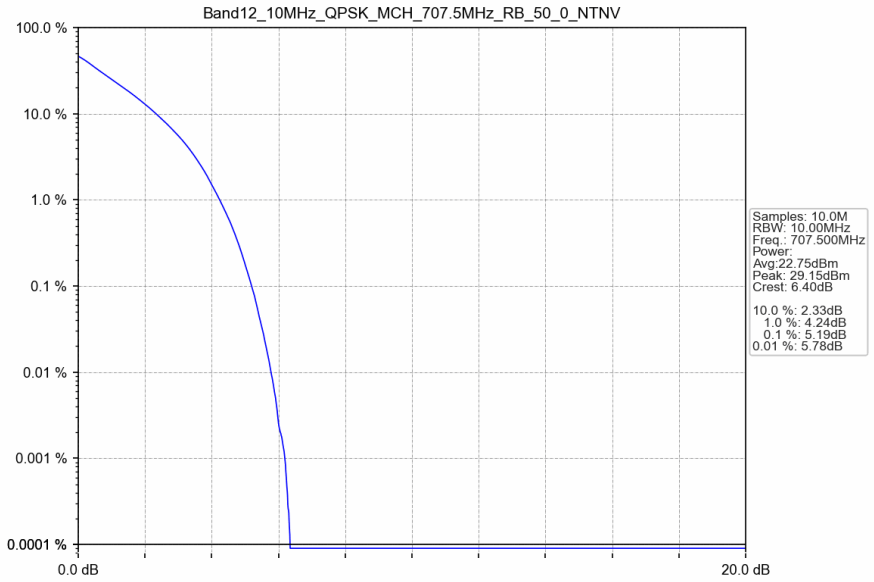
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.19	<=13	Pass
16QAM	707.5	50	0	5.94	<=13	Pass
64QAM	707.5	50	0	6.34	<=13	Pass
256QAM	707.5	50	0	6.75	<=13	Pass

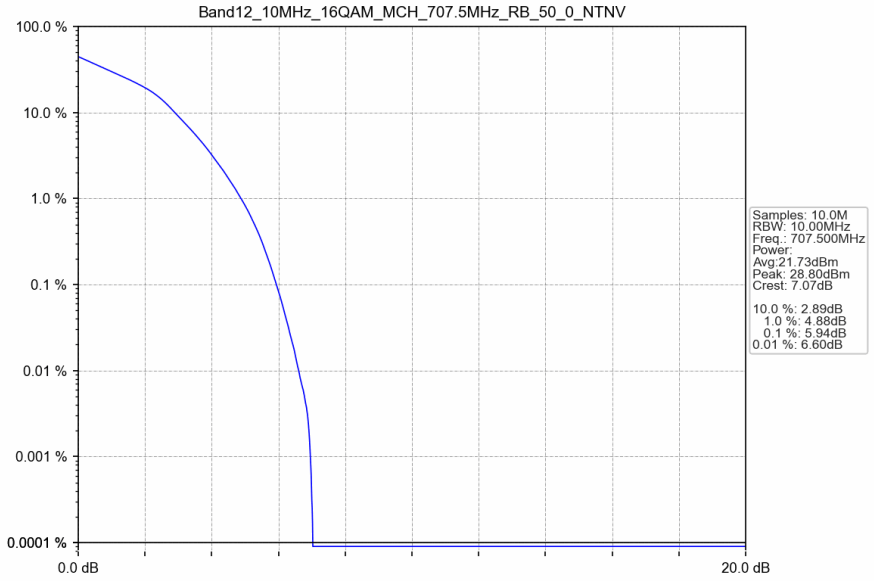
4.2 Test Graph

4.2.1 B12_10MHz

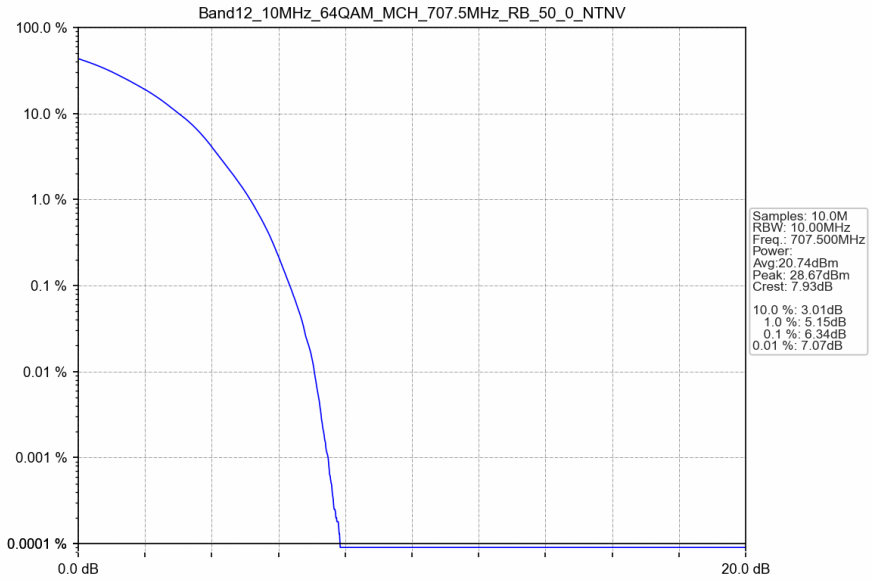
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



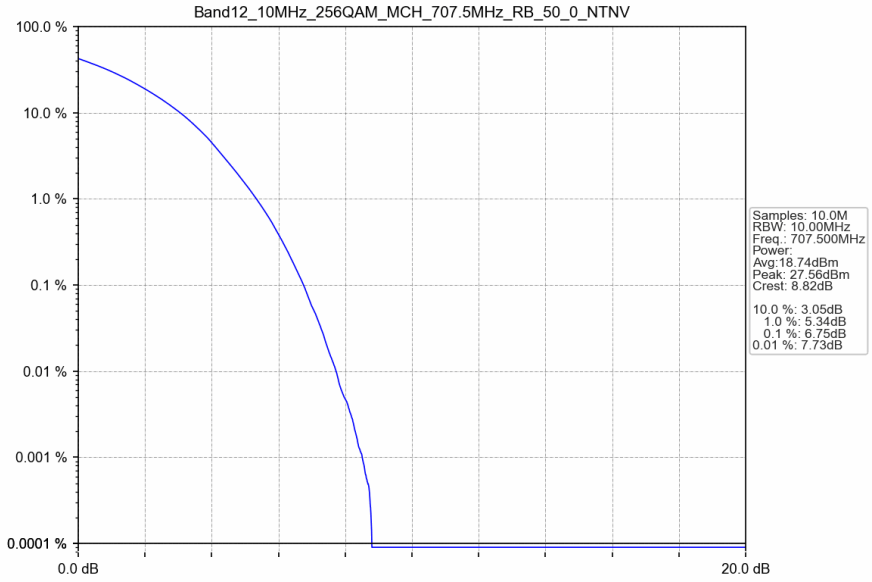
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

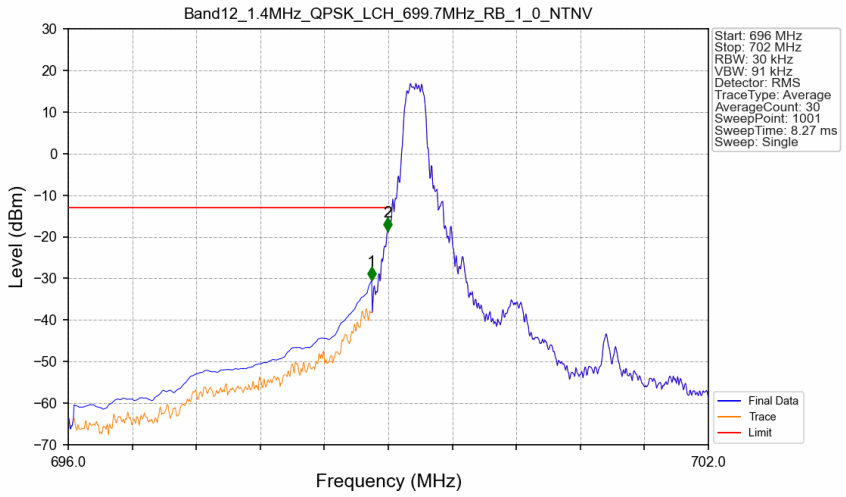
5.1.4 B12_10MHz

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

5.2 Test Graph

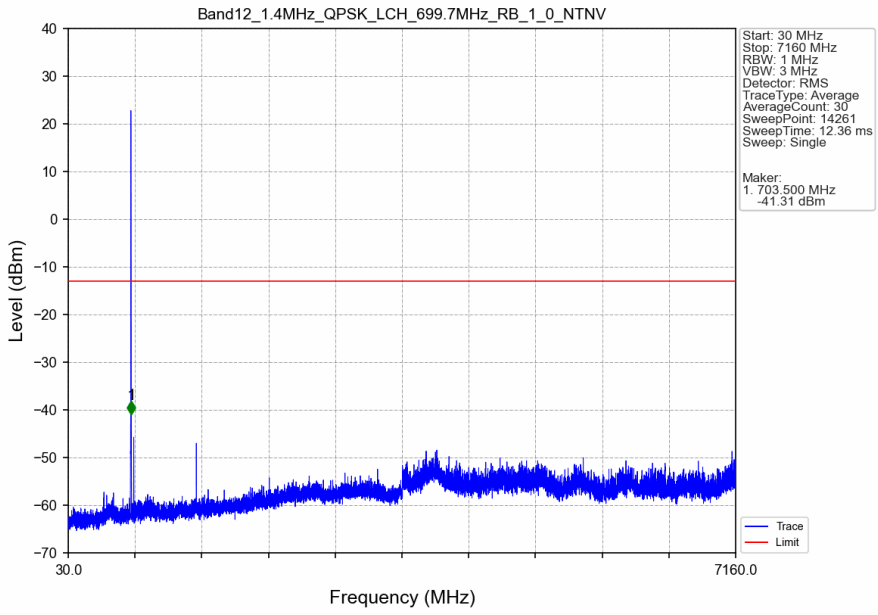
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

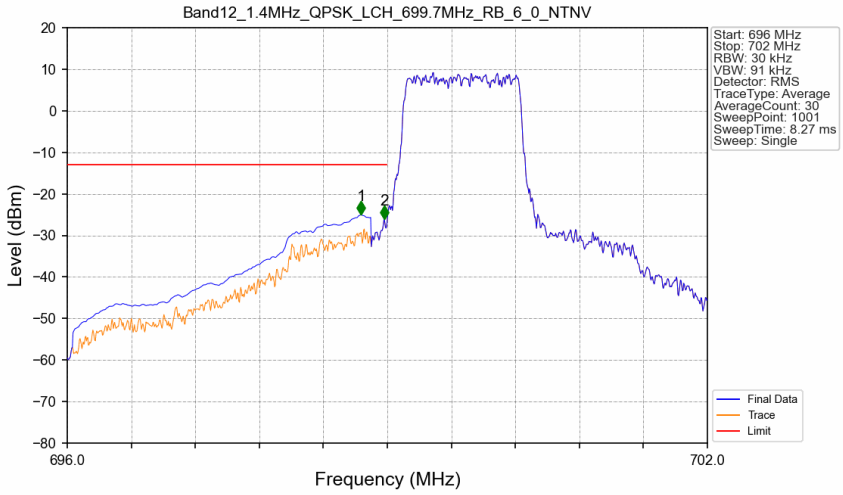


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.47	-13	Pass
698.9	699	0.03	/	2	698.994	-18.52	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

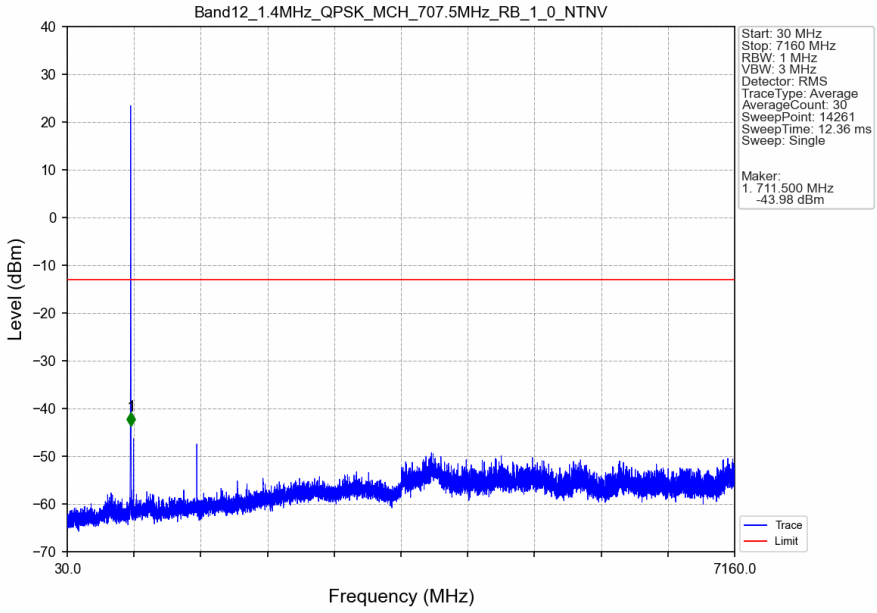


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

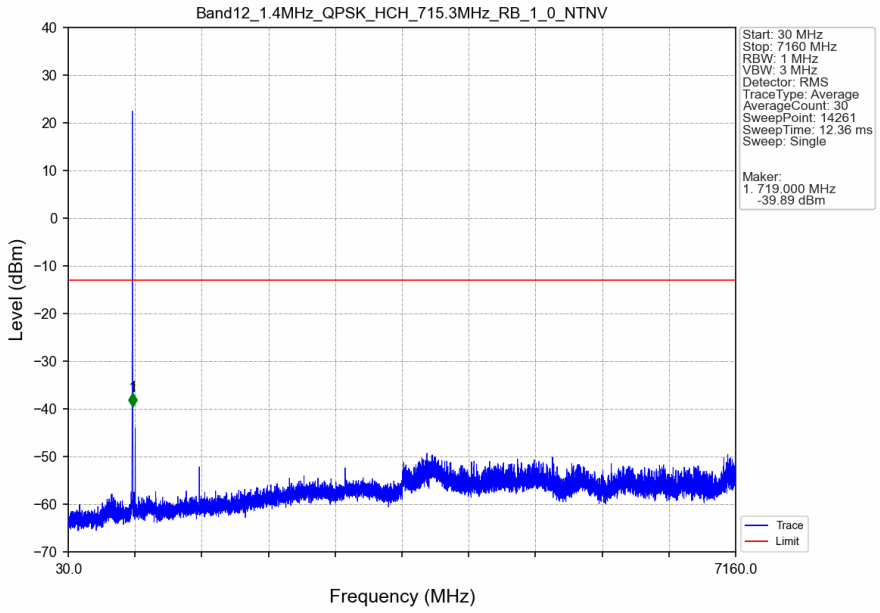


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.754	-25.02	-13	Pass
698.9	699	0.03	/	2	698.970	-26.04	-13	Pass
699	702	0.03	/	/	/	/	/	/

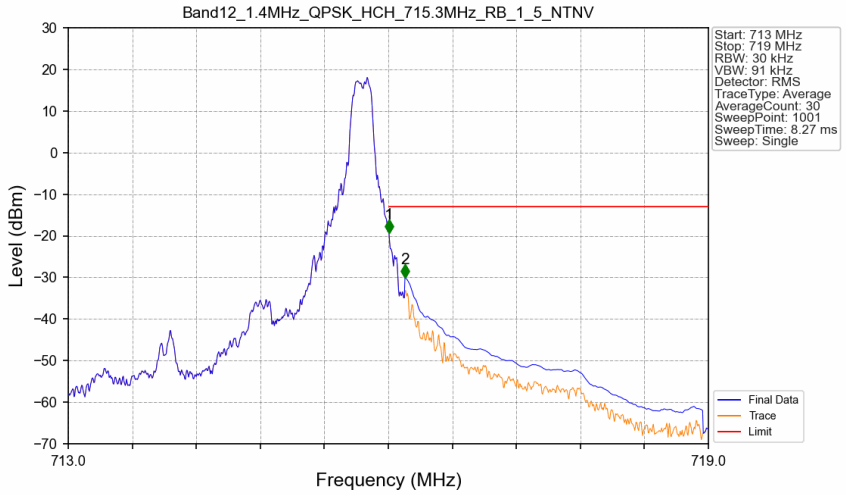
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

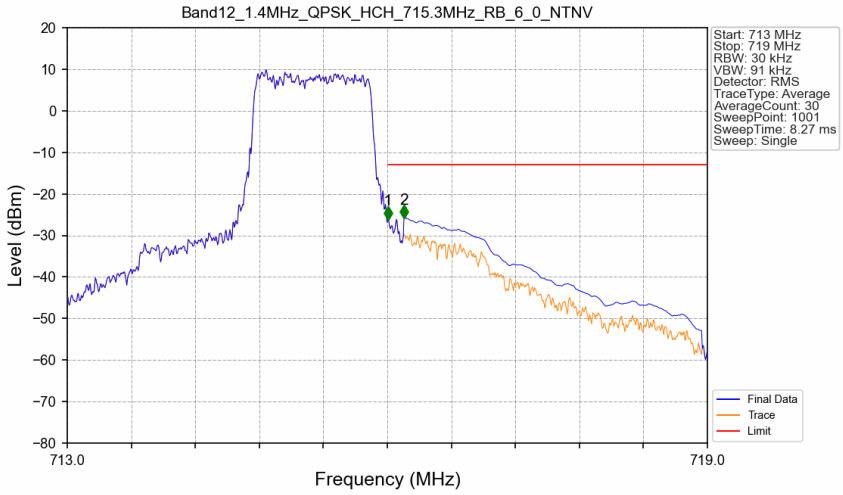


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	-19.22	-13	Pass
716.1	719	0.1	CHP	2	716.156	-30.00	-13	Pass

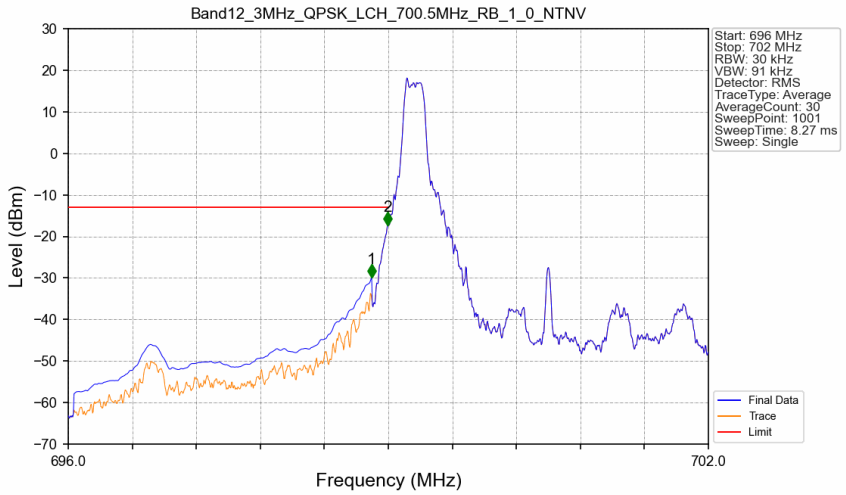
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	-26.12	-13	Pass
716.1	719	0.1	CHP	2	716.156	-25.80	-13	Pass

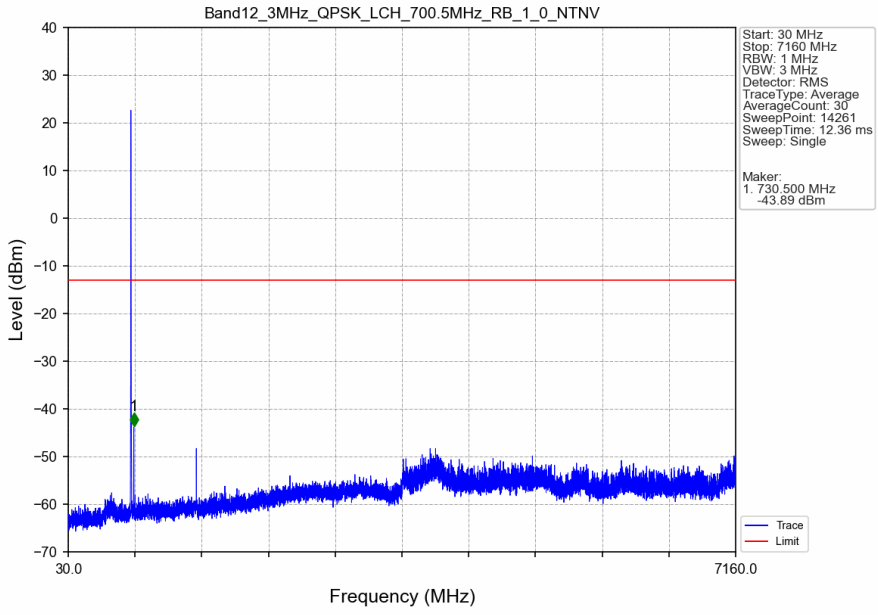
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

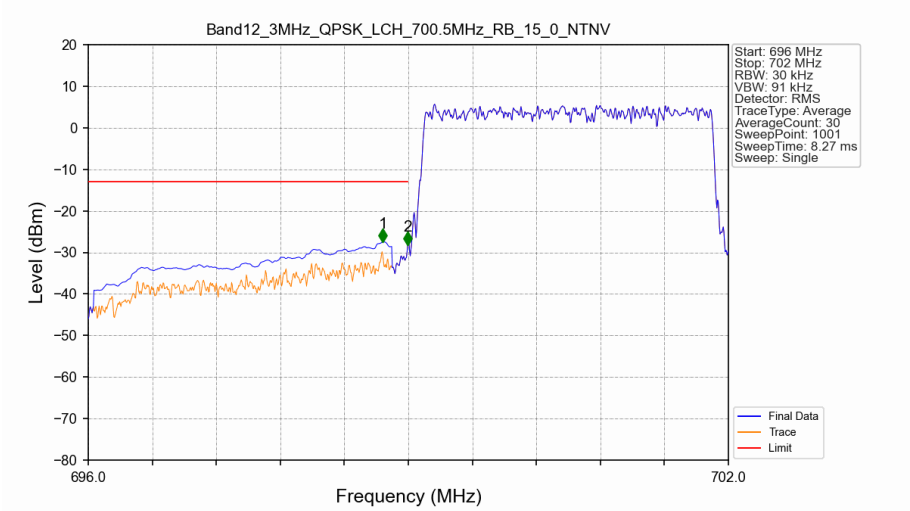


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.86	-13	Pass
698.9	699	0.03	/	2	698.994	-17.27	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

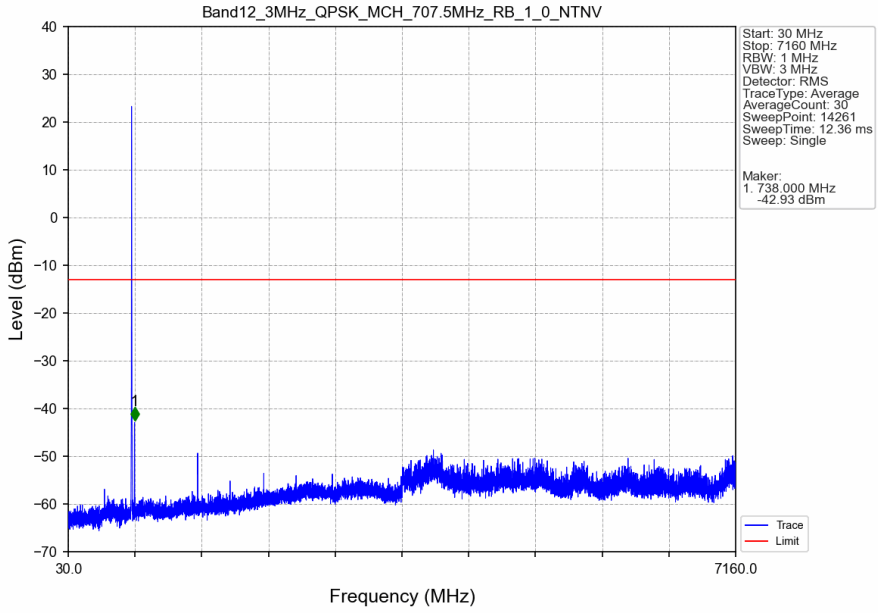


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

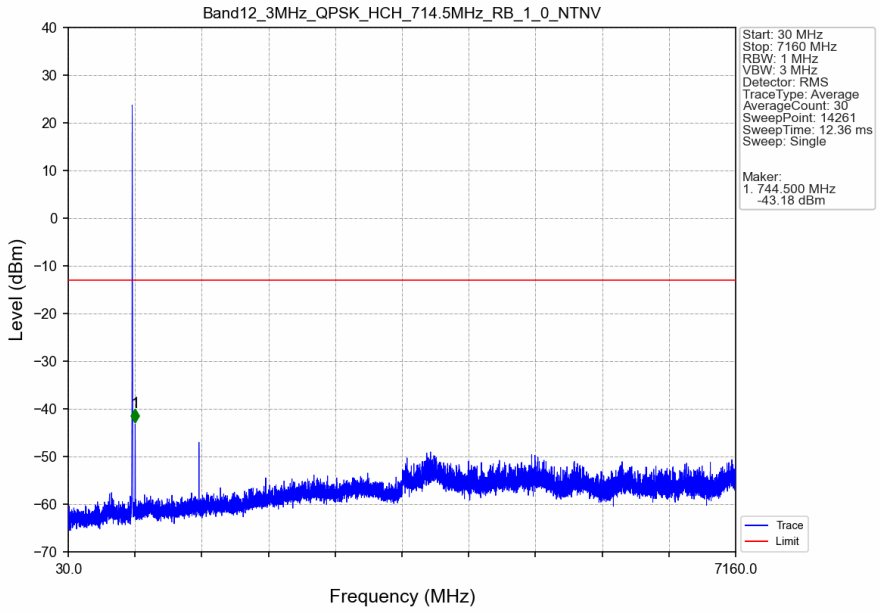


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.760	-27.45	-13	Pass
698.9	699	0.03	/	2	698.994	-28.14	-13	Pass
699	702	0.03	/	/	/	/	/	/

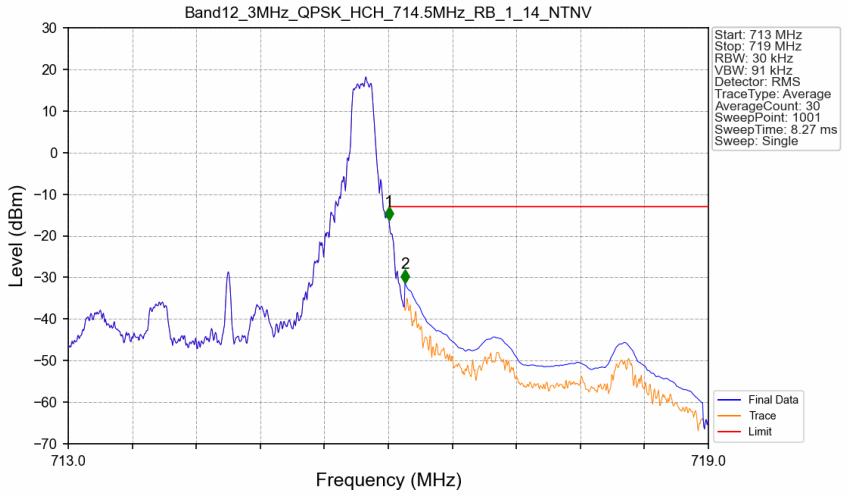
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

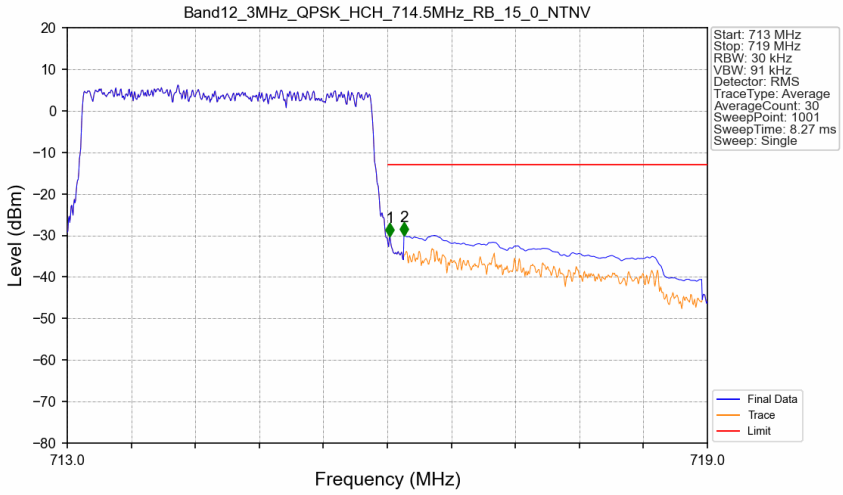


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	-16.16	-13	Pass
716.1	719	0.1	CHP	2	716.156	-31.24	-13	Pass

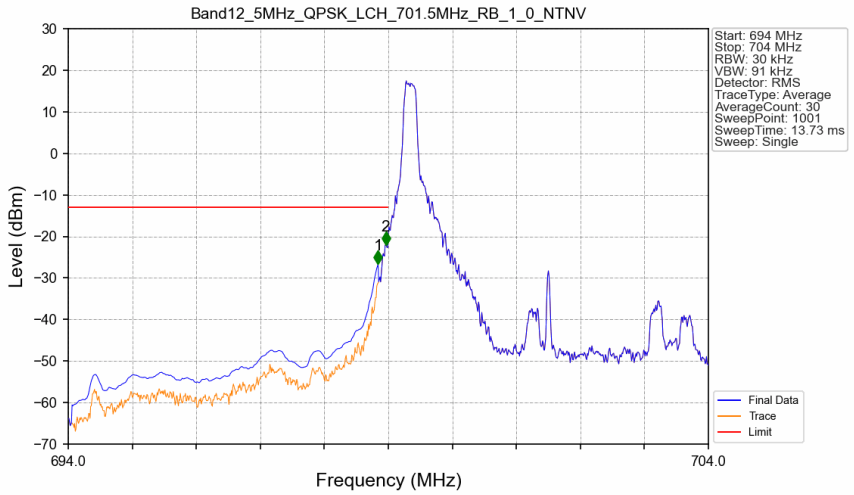
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	716.024	-30.19	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.98	-13	Pass

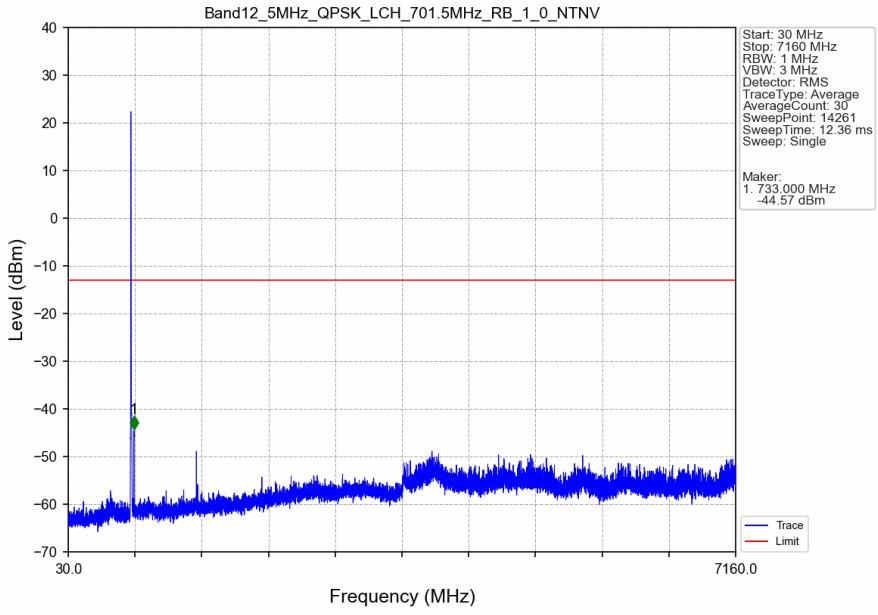
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

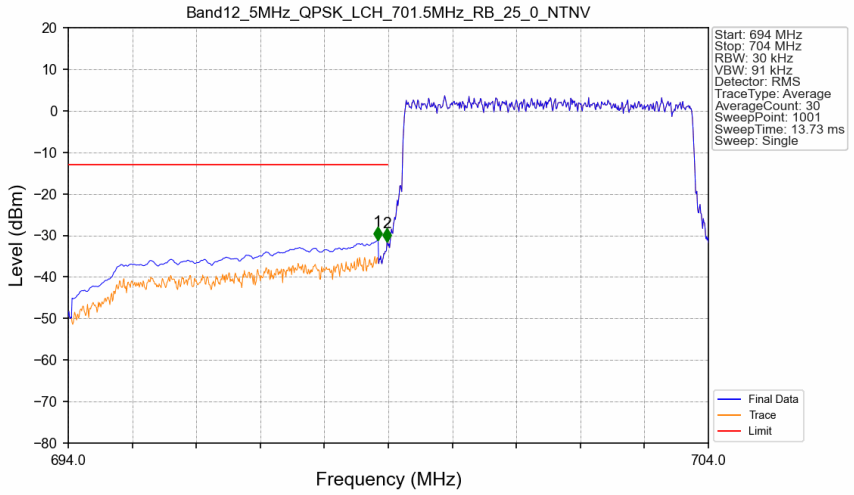


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-26.58	-13	Pass
698.9	699	0.03	/	2	698.960	-22.08	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

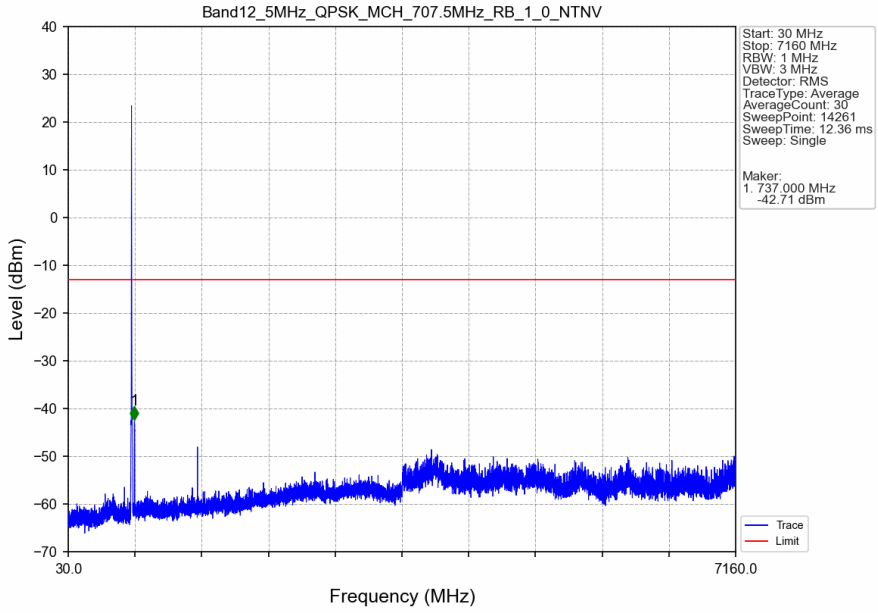


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

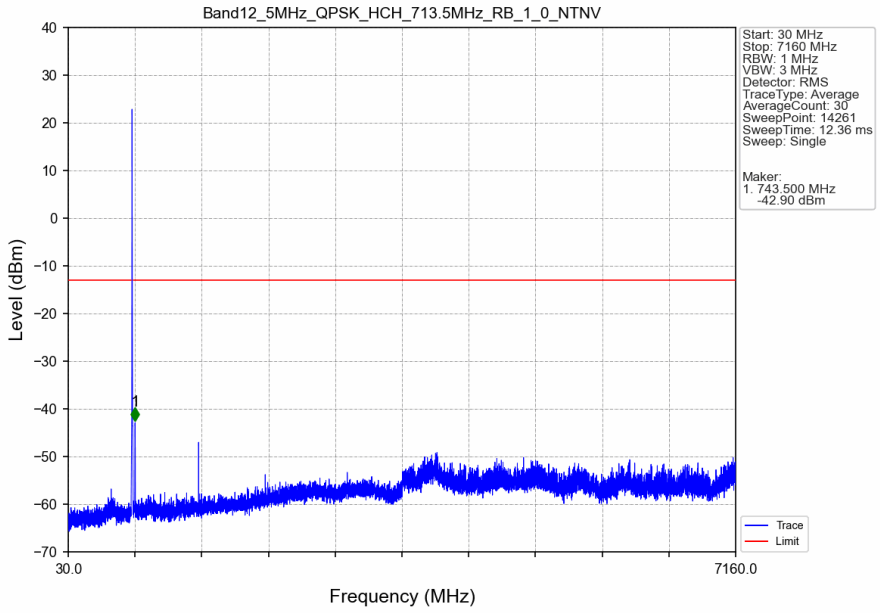


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.830	-31.19	-13	Pass
698.9	699	0.03	/	2	698.980	-31.50	-13	Pass
699	704	0.03	/	/	/	/	/	/

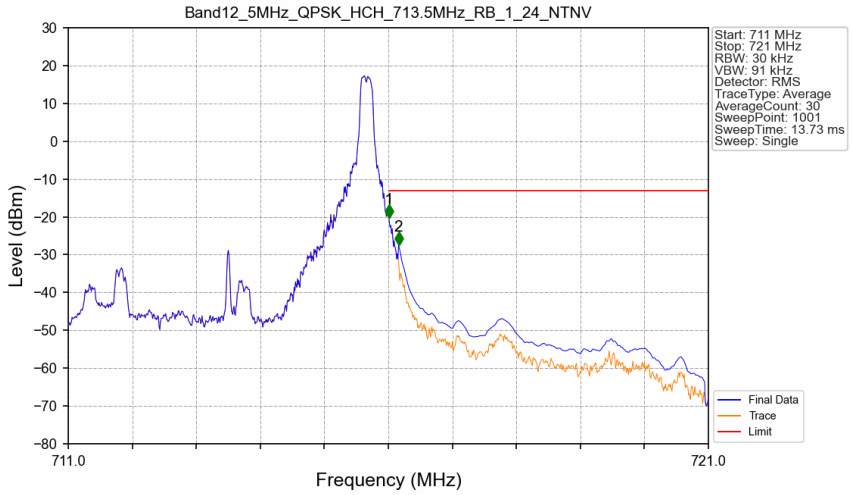
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

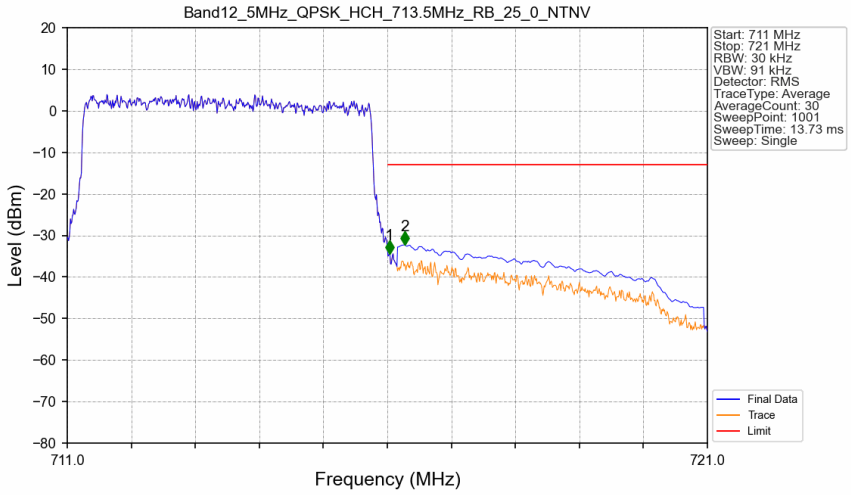


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-20.32	-13	Pass
716.1	721	0.1	CHP	2	716.160	-27.36	-13	Pass

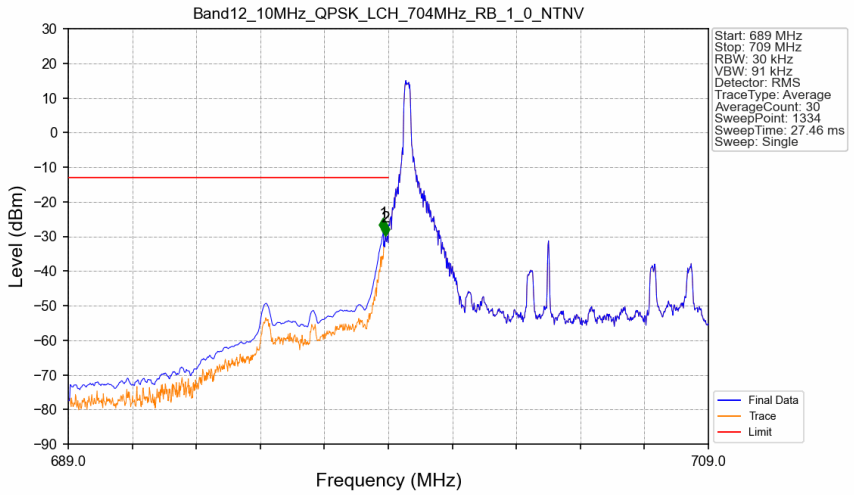
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	716.030	-34.33	-13	Pass
716.1	721	0.1	CHP	2	716.270	-32.23	-13	Pass

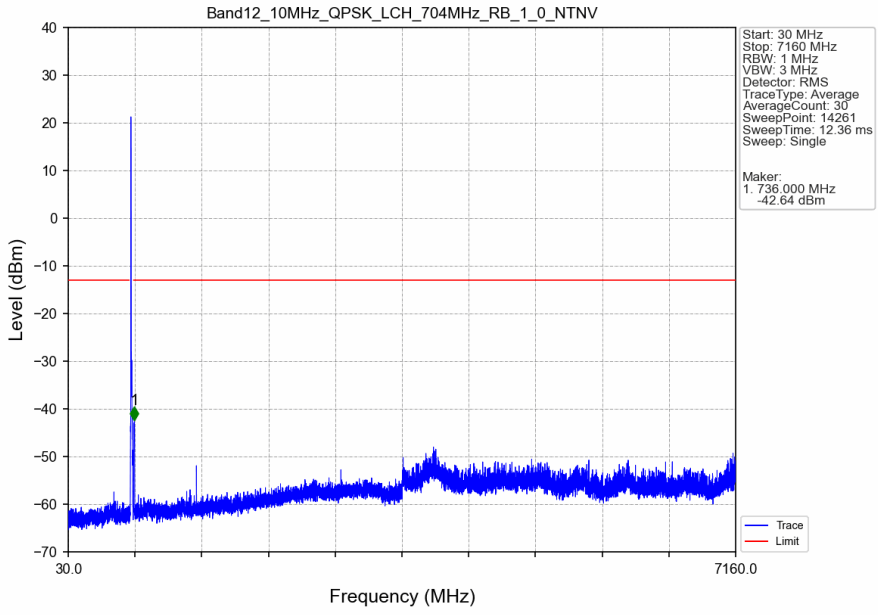
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

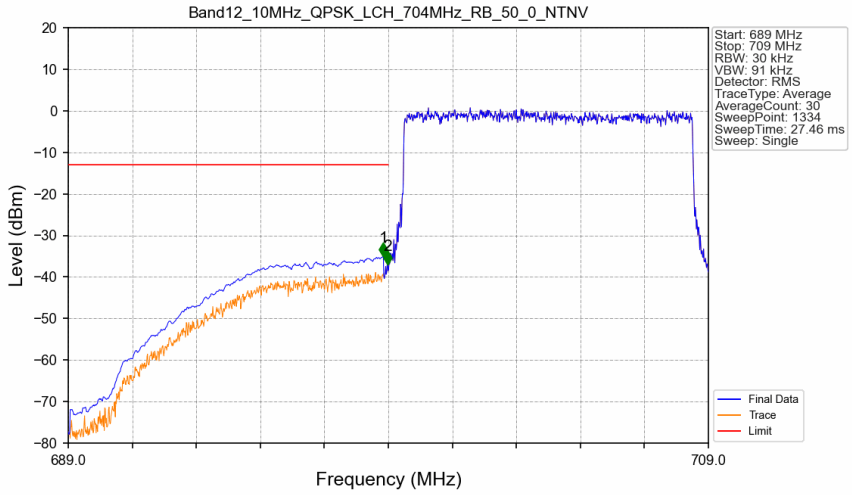


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-28.43	-13	Pass
698.9	699	0.03	/	2	698.902	-29.81	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

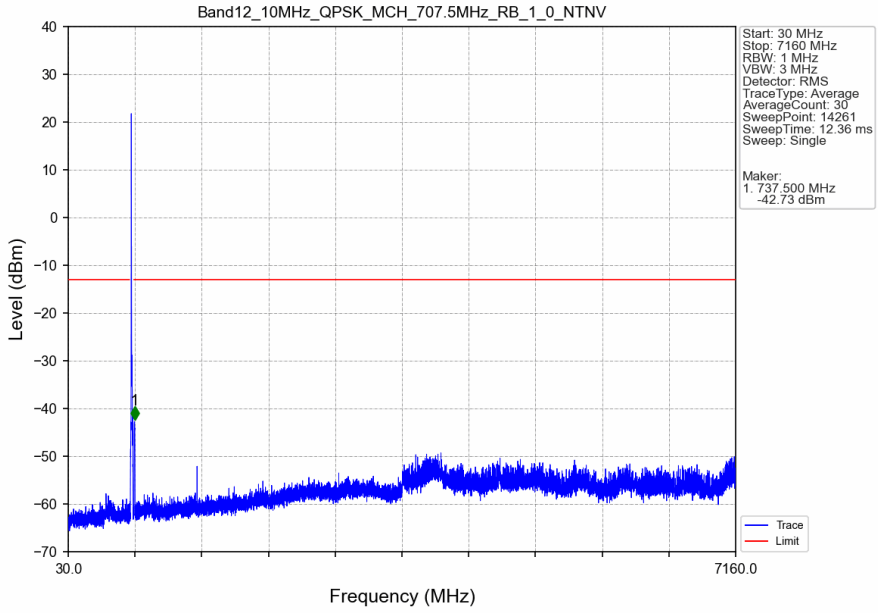


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

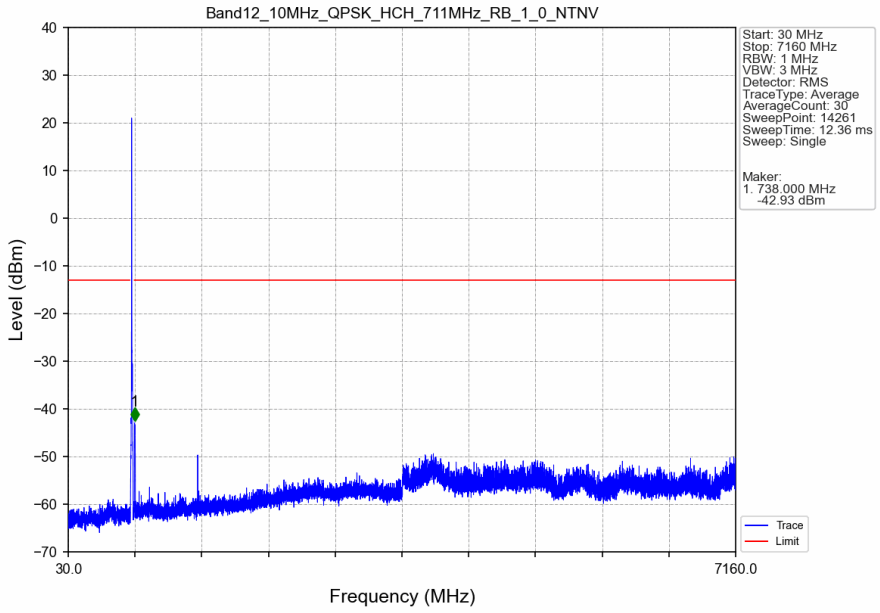


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-34.91	-13	Pass
698.9	699	0.03	/	2	698.977	-36.99	-13	Pass
699	709	0.03	/	/	/	/	/	/

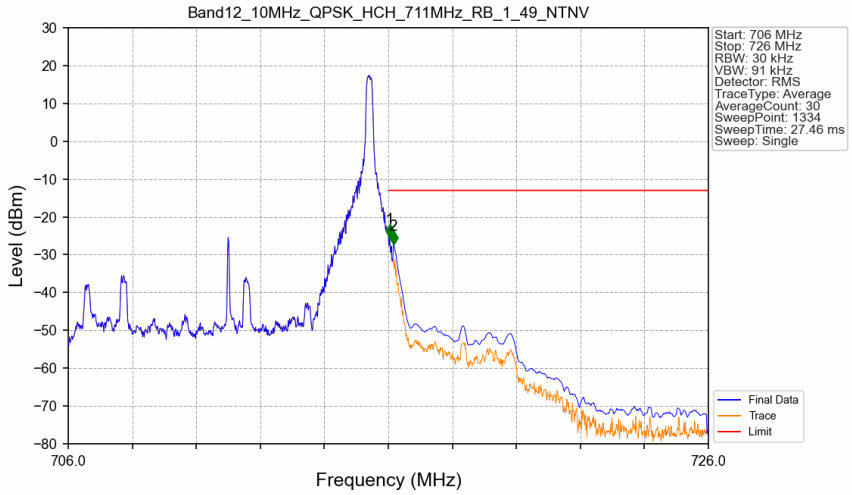
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

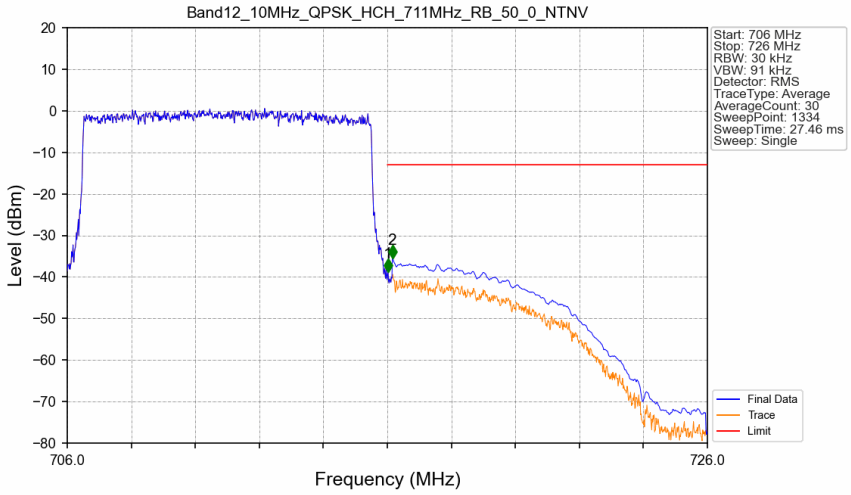


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-25.50	-13	Pass
716.1	726	0.1	CHP	2	716.158	-27.33	-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	716.023	-38.72	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.52	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 12 ANT13-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	-64.1	-13	-51.1	-66.87	2.47	5.24	Horizontal	Pass
2098.5	-64.43	-13	-51.43	-66.5	2.79	4.86	Horizontal	Pass
2798.0	-62.41	-13	-49.41	-65.77	3.12	6.48	Horizontal	Pass
1399.0	-65.06	-13	-52.06	-67.83	2.47	5.24	Vertical	Pass
2098.5	-64.66	-13	-51.66	-66.73	2.79	4.86	Vertical	Pass
2798.0	-63.32	-13	-50.32	-66.68	3.12	6.48	Vertical	Pass

LTE Band 12 ANT13-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	-65.59	-13	-52.59	-68.39	2.48	5.28	Horizontal	Pass
2109.0	-64.31	-13	-51.31	-66.39	2.8	4.88	Horizontal	Pass
2812.0	-64.03	-13	-51.03	-67.42	3.12	6.51	Horizontal	Pass
1406.0	-64.91	-13	-51.91	-67.71	2.48	5.28	Vertical	Pass
2109.0	-64.85	-13	-51.85	-66.93	2.8	4.88	Vertical	Pass
2812.0	-62.68	-13	-49.68	-66.07	3.12	6.51	Vertical	Pass

LTE Band 12 ANT13-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	-65.59	-13	-52.59	-68.43	2.49	5.33	Horizontal	Pass
2119.5	-64.79	-13	-51.79	-66.89	2.81	4.91	Horizontal	Pass
2826.0	-63.35	-13	-50.35	-66.76	3.13	6.54	Horizontal	Pass
1413.0	-64.88	-13	-51.88	-67.72	2.49	5.33	Vertical	Pass
2119.5	-64.56	-13	-51.56	-66.66	2.81	4.91	Vertical	Pass
2826.0	-62.71	-13	-49.71	-66.12	3.13	6.54	Vertical	Pass