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	24.26	0.80	22.91	<=34.77	Pass
			5	24.17	0.80	22.82	<=34.77	Pass
		6	0	23.18	0.80	21.83	<=34.77	Pass
	707.5	1	0	24.27	0.80	22.92	<=34.77	Pass
			5	24.15	0.80	22.80	<=34.77	Pass
		6	0	23.20	0.80	21.85	<=34.77	Pass
	715.3	1	0	13.95	0.80	12.60	<=34.77	Pass
			5	24.08	0.80	22.73	<=34.77	Pass
		6	0	13.73	0.80	12.38	<=34.77	Pass
16QAM	699.7	1	0	23.21	0.80	21.86	<=34.77	Pass
			5	23.11	0.80	21.76	<=34.77	Pass
		6	0	22.26	0.80	20.91	<=34.77	Pass
	707.5	1	0	23.30	0.80	21.95	<=34.77	Pass
			5	23.20	0.80	21.85	<=34.77	Pass
		6	0	22.21	0.80	20.86	<=34.77	Pass
	715.3	1	0	11.85	0.80	10.50	<=34.77	Pass
			5	14.15	0.80	12.80	<=34.77	Pass
		6	0	15.26	0.80	13.91	<=34.77	Pass
64QAM	699.7	1	0	22.02	0.80	20.67	<=34.77	Pass
			5	22.29	0.80	20.94	<=34.77	Pass
		6	0	21.21	0.80	19.86	<=34.77	Pass
	707.5	1	0	22.16	0.80	20.81	<=34.77	Pass
			5	22.31	0.80	20.96	<=34.77	Pass
		6	0	21.20	0.80	19.85	<=34.77	Pass
	715.3	1	0	13.94	0.80	12.59	<=34.77	Pass
			5	17.10	0.80	15.75	<=34.77	Pass
		6	0	22.16	0.80	20.81	<=34.77	Pass
256QAM	699.7	1	0	19.24	0.80	17.89	<=34.77	Pass
			5	19.38	0.80	18.03	<=34.77	Pass
		6	0	19.21	0.80	17.86	<=34.77	Pass
	707.5	1	0	19.24	0.80	17.89	<=34.77	Pass
			5	19.30	0.80	17.95	<=34.77	Pass
		6	0	19.11	0.80	17.76	<=34.77	Pass
	715.3	1	0	19.29	0.80	17.94	<=34.77	Pass
			5	7.29	0.80	5.94	<=34.77	Pass
		6	0	19.22	0.80	17.87	<=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	24.35	0.80	23.00	<=34.77	Pass
			14	24.11	0.80	22.76	<=34.77	Pass
		15	0	23.23	0.80	21.88	<=34.77	Pass
	707.5	1	0	24.22	0.80	22.87	<=34.77	Pass

			14	24.12	0.80	22.77	<=34.77	Pass
		15	0	23.21	0.80	21.86	<=34.77	Pass
	714.5	1	0	24.32	0.80	22.97	<=34.77	Pass
			14	24.16	0.80	22.81	<=34.77	Pass
		15	0	23.21	0.80	21.86	<=34.77	Pass
16QAM	700.5	1	0	23.05	0.80	21.70	<=34.77	Pass
			14	23.16	0.80	21.81	<=34.77	Pass
		15	0	22.12	0.80	20.77	<=34.77	Pass
	707.5	1	0	23.07	0.80	21.72	<=34.77	Pass
			14	23.10	0.80	21.75	<=34.77	Pass
		15	0	22.24	0.80	20.89	<=34.77	Pass
	714.5	1	0	23.08	0.80	21.73	<=34.77	Pass
			14	23.15	0.80	21.80	<=34.77	Pass
		15	0	22.22	0.80	20.87	<=34.77	Pass
64QAM	700.5	1	0	22.24	0.80	20.89	<=34.77	Pass
			14	22.12	0.80	20.77	<=34.77	Pass
		15	0	21.23	0.80	19.88	<=34.77	Pass
	707.5	1	0	21.97	0.80	20.62	<=34.77	Pass
			14	22.16	0.80	20.81	<=34.77	Pass
		15	0	21.20	0.80	19.85	<=34.77	Pass
	714.5	1	0	22.37	0.80	21.02	<=34.77	Pass
			14	22.32	0.80	20.97	<=34.77	Pass
		15	0	21.20	0.80	19.85	<=34.77	Pass
256QAM	700.5	1	0	19.21	0.80	17.86	<=34.77	Pass
			14	19.18	0.80	17.83	<=34.77	Pass
		15	0	19.20	0.80	17.85	<=34.77	Pass
	707.5	1	0	19.16	0.80	17.81	<=34.77	Pass
			14	19.23	0.80	17.88	<=34.77	Pass
		15	0	19.18	0.80	17.83	<=34.77	Pass
	714.5	1	0	19.33	0.80	17.98	<=34.77	Pass
			14	19.11	0.80	17.76	<=34.77	Pass
		15	0	19.22	0.80	17.87	<=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	24.29	0.80	22.94	<=34.77	Pass
			24	24.26	0.80	22.91	<=34.77	Pass
		25	0	23.35	0.80	22.00	<=34.77	Pass
	707.5	1	0	24.20	0.80	22.85	<=34.77	Pass
			24	24.16	0.80	22.81	<=34.77	Pass
		25	0	23.28	0.80	21.93	<=34.77	Pass
	713.5	1	0	23.98	0.80	22.63	<=34.77	Pass
			24	24.20	0.80	22.85	<=34.77	Pass
		25	0	23.29	0.80	21.94	<=34.77	Pass
16QAM	701.5	1	0	23.13	0.80	21.78	<=34.77	Pass
			24	23.03	0.80	21.68	<=34.77	Pass
		25	0	22.30	0.80	20.95	<=34.77	Pass
	707.5	1	0	22.97	0.80	21.62	<=34.77	Pass
			24	22.99	0.80	21.64	<=34.77	Pass
		25	0	22.27	0.80	20.92	<=34.77	Pass
	713.5	1	0	23.07	0.80	21.72	<=34.77	Pass
			24	23.17	0.80	21.82	<=34.77	Pass
		25	0	22.30	0.80	20.95	<=34.77	Pass

64QAM	701.5	1	0	22.23	0.80	20.88	<=34.77	Pass
			24	22.34	0.80	20.99	<=34.77	Pass
		25	0	21.31	0.80	19.96	<=34.77	Pass
	707.5	1	0	22.20	0.80	20.85	<=34.77	Pass
			24	21.72	0.80	20.37	<=34.77	Pass
		25	0	21.24	0.80	19.89	<=34.77	Pass
	713.5	1	0	22.05	0.80	20.70	<=34.77	Pass
			24	21.88	0.80	20.53	<=34.77	Pass
		25	0	21.27	0.80	19.92	<=34.77	Pass
256QAM	701.5	1	0	19.25	0.80	17.90	<=34.77	Pass
			24	19.32	0.80	17.97	<=34.77	Pass
		25	0	19.33	0.80	17.98	<=34.77	Pass
	707.5	1	0	19.26	0.80	17.91	<=34.77	Pass
			24	19.33	0.80	17.98	<=34.77	Pass
		25	0	19.26	0.80	17.91	<=34.77	Pass
	713.5	1	0	18.75	0.80	17.40	<=34.77	Pass
			24	19.25	0.80	17.90	<=34.77	Pass
		25	0	19.29	0.80	17.94	<=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	24.18	0.80	22.83	<=34.77	Pass
			49	24.26	0.80	22.91	<=34.77	Pass
		50	0	23.19	0.80	21.84	<=34.77	Pass
	707.5	1	0	24.24	0.80	22.89	<=34.77	Pass
			49	24.09	0.80	22.74	<=34.77	Pass
		50	0	23.20	0.80	21.85	<=34.77	Pass
	711	1	0	24.18	0.80	22.83	<=34.77	Pass
			49	24.02	0.80	22.67	<=34.77	Pass
		50	0	23.24	0.80	21.89	<=34.77	Pass
16QAM	704	1	0	23.43	0.80	22.08	<=34.77	Pass
			49	23.33	0.80	21.98	<=34.77	Pass
		50	0	22.23	0.80	20.88	<=34.77	Pass
	707.5	1	0	23.41	0.80	22.06	<=34.77	Pass
			49	23.31	0.80	21.96	<=34.77	Pass
		50	0	22.20	0.80	20.85	<=34.77	Pass
	711	1	0	23.45	0.80	22.10	<=34.77	Pass
			49	23.33	0.80	21.98	<=34.77	Pass
		50	0	22.14	0.80	20.79	<=34.77	Pass
64QAM	704	1	0	22.46	0.80	21.11	<=34.77	Pass
			49	22.33	0.80	20.98	<=34.77	Pass
		50	0	21.26	0.80	19.91	<=34.77	Pass
	707.5	1	0	22.07	0.80	20.72	<=34.77	Pass
			49	22.27	0.80	20.92	<=34.77	Pass
		50	0	21.19	0.80	19.84	<=34.77	Pass
	711	1	0	22.07	0.80	20.72	<=34.77	Pass
			49	22.20	0.80	20.85	<=34.77	Pass
		50	0	21.16	0.80	19.81	<=34.77	Pass
256QAM	704	1	0	19.36	0.80	18.01	<=34.77	Pass
			49	19.16	0.80	17.81	<=34.77	Pass
		50	0	19.24	0.80	17.89	<=34.77	Pass
	707.5	1	0	19.35	0.80	18.00	<=34.77	Pass
			49	19.27	0.80	17.92	<=34.77	Pass

		50	0	19.16	0.80	17.81	<=34.77	Pass
	711	1	0	19.28	0.80	17.93	<=34.77	Pass
			49	19.22	0.80	17.87	<=34.77	Pass
		50	0	19.13	0.80	17.78	<=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	LV	0.400	0.0006	-2.5 to 2.5	Pass
					NV	-2.000	-0.0028	-2.5 to 2.5	Pass
					HV	-1.100	-0.0016	-2.5 to 2.5	Pass
				-30	NV	1.000	0.0014	-2.5 to 2.5	Pass
				-20	NV	-3.400	-0.0048	-2.5 to 2.5	Pass
				-10	NV	-4.000	-0.0057	-2.5 to 2.5	Pass
				0	NV	-4.000	-0.0057	-2.5 to 2.5	Pass
				10	NV	-3.500	-0.0049	-2.5 to 2.5	Pass
				30	NV	0.700	0.0010	-2.5 to 2.5	Pass
				40	NV	-1.800	-0.0025	-2.5 to 2.5	Pass
				50	NV	0.300	0.0004	-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	1.115	/	Pass
3	QPSK	707.5	15	0	2.721	/	Pass
	16QAM	707.5	15	0	2.725	/	Pass
5	QPSK	707.5	25	0	4.549	/	Pass
	16QAM	707.5	25	0	4.543	/	Pass
10	QPSK	707.5	50	0	9.065	/	Pass
	16QAM	707.5	50	0	9.011	/	Pass

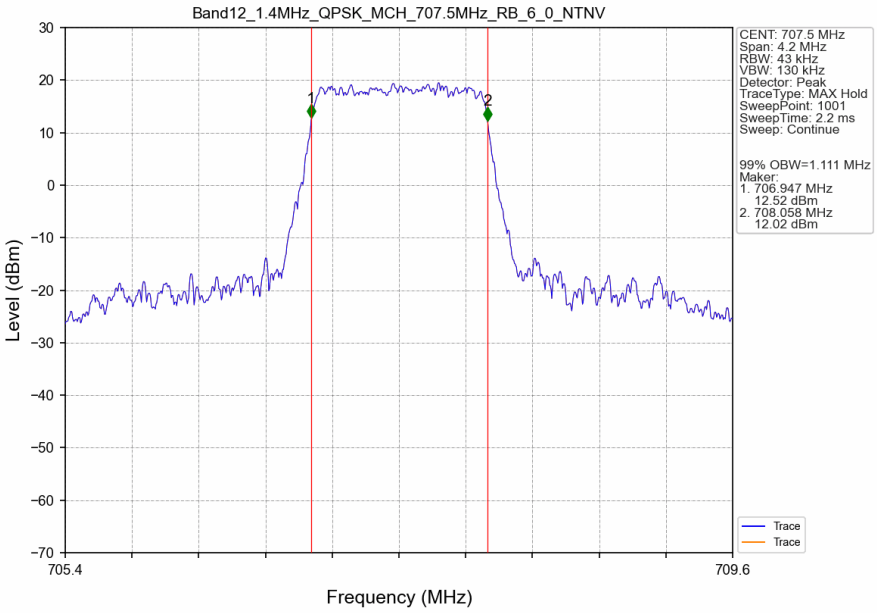
3.1.2 Band12_XDB

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	1.328	/	Pass
	16QAM	707.5	6	0	1.313	/	Pass
3	QPSK	707.5	15	0	3.017	/	Pass
	16QAM	707.5	15	0	3.018	/	Pass
5	QPSK	707.5	25	0	5.012	/	Pass
	16QAM	707.5	25	0	5.072	/	Pass
10	QPSK	707.5	50	0	9.898	/	Pass
	16QAM	707.5	50	0	9.856	/	Pass

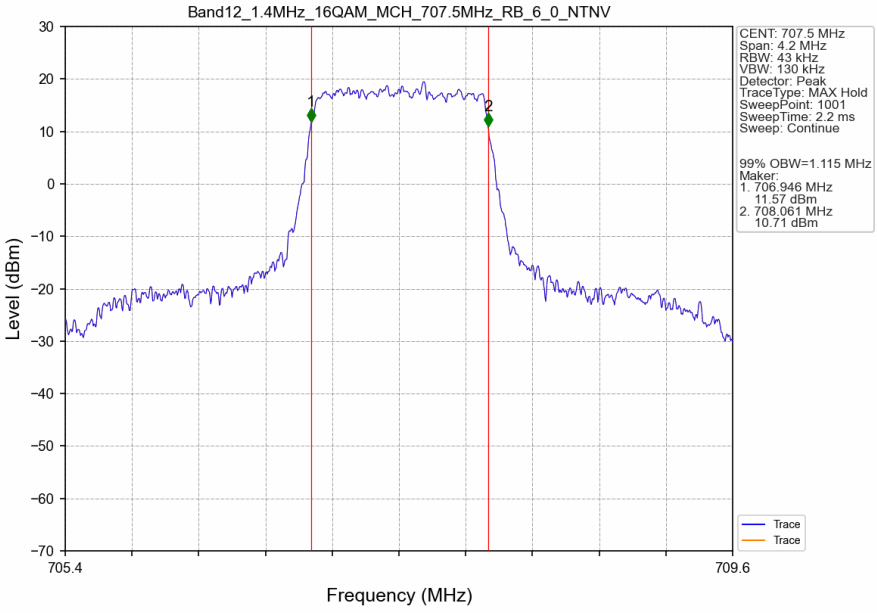
3.2 Test Graph

3.2.1 Band12_OBW

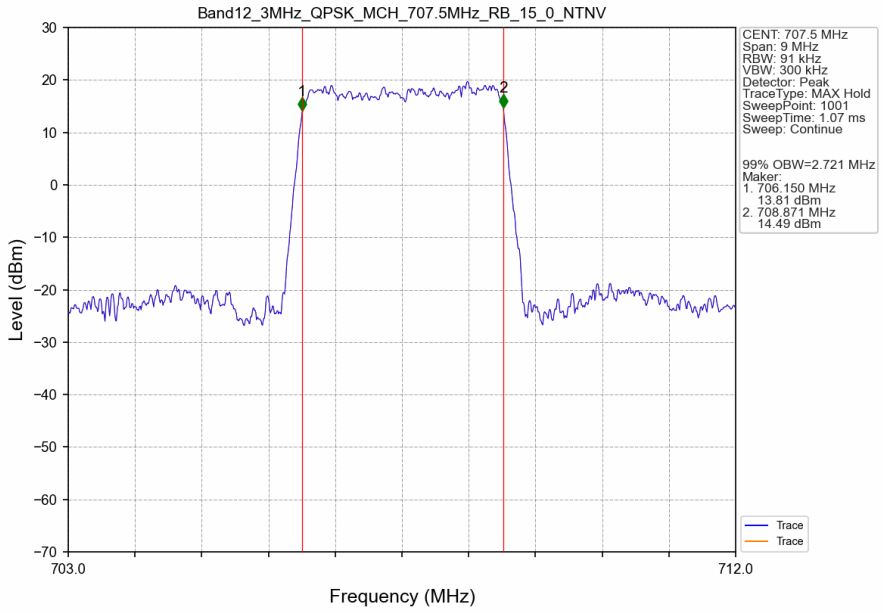
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



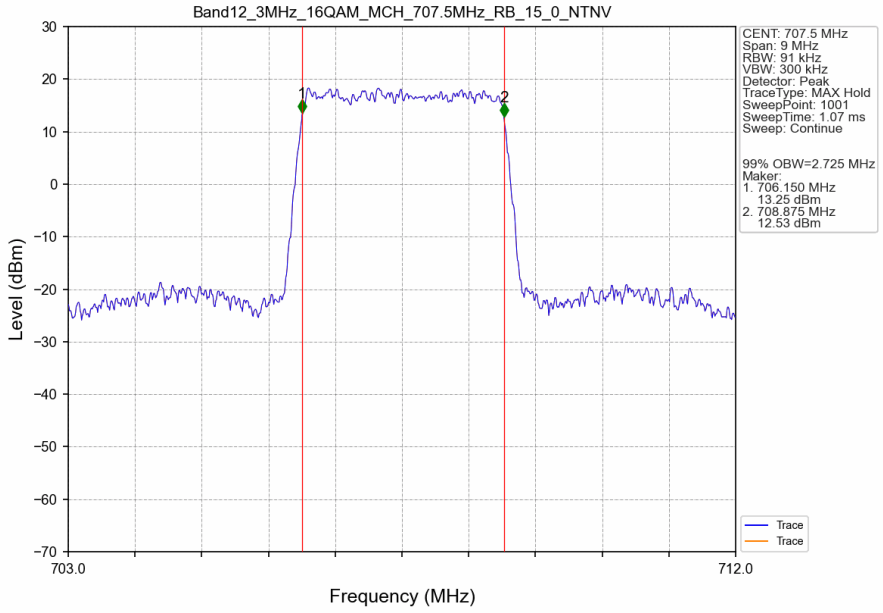
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



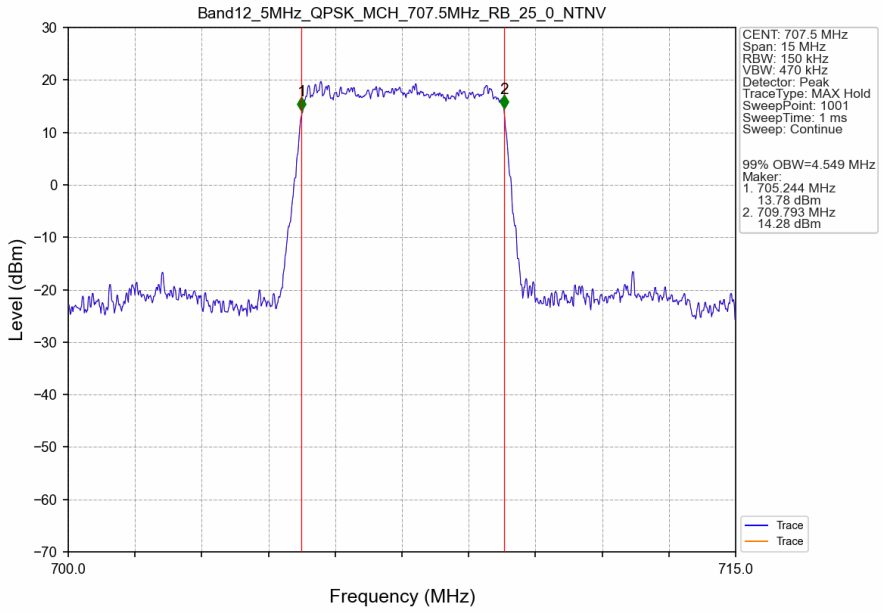
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



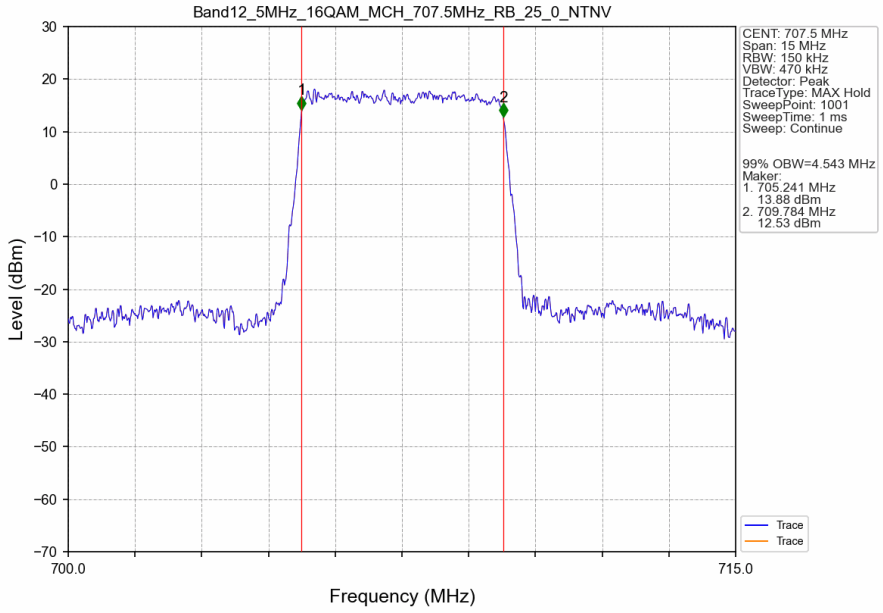
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



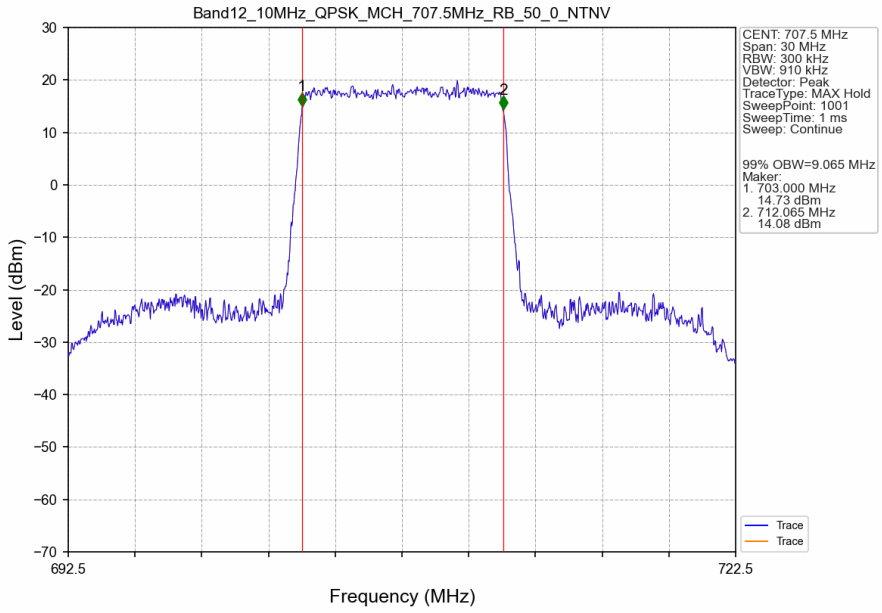
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



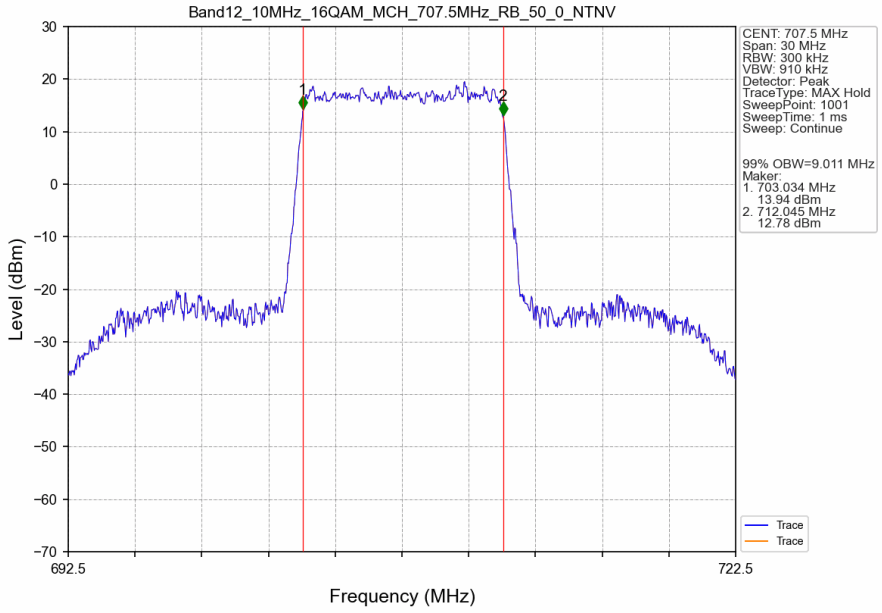
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



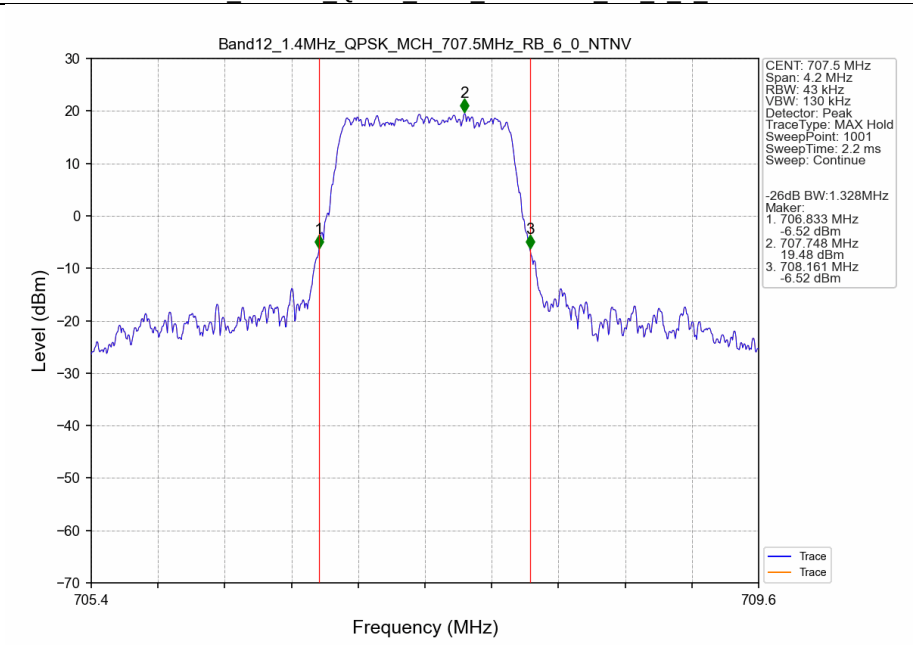
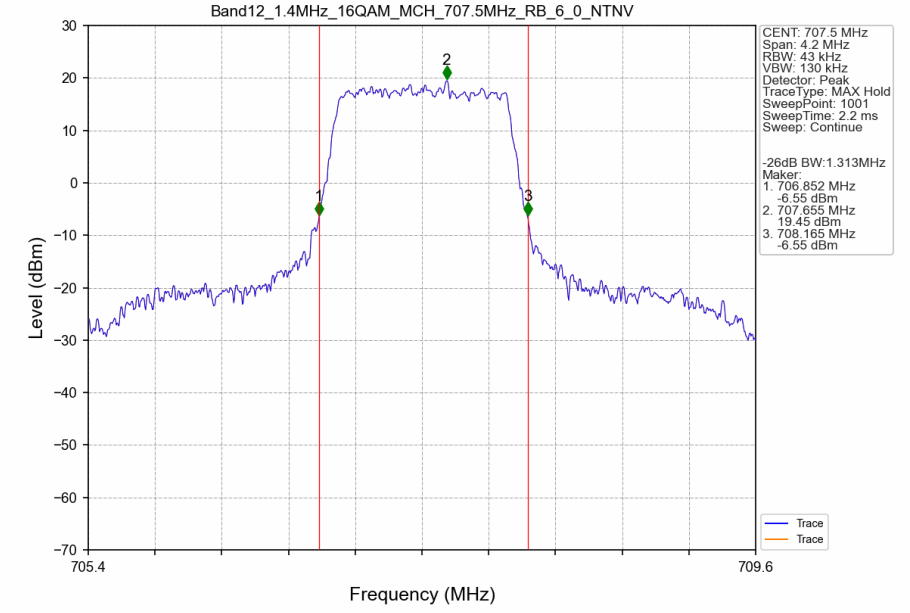
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



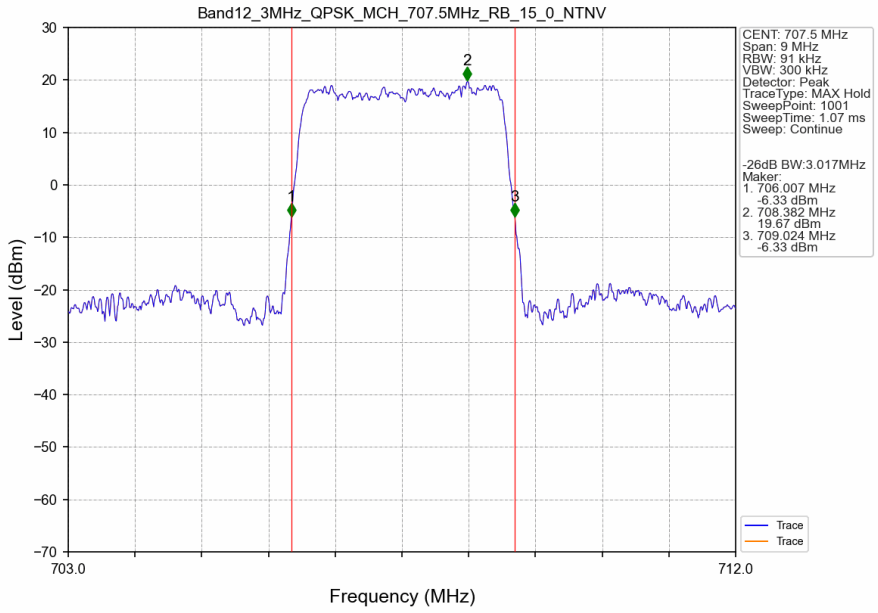
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



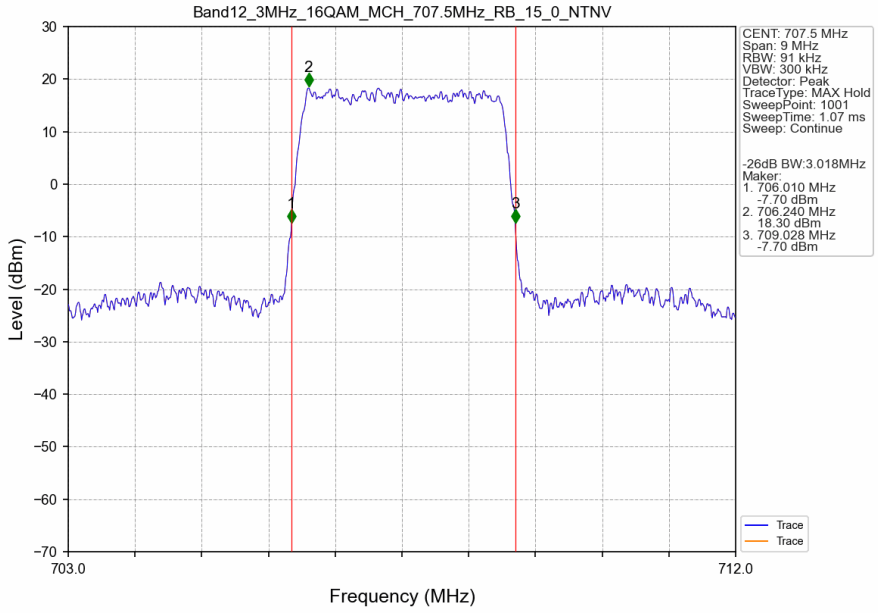
3.2.2 Band12_XDB

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


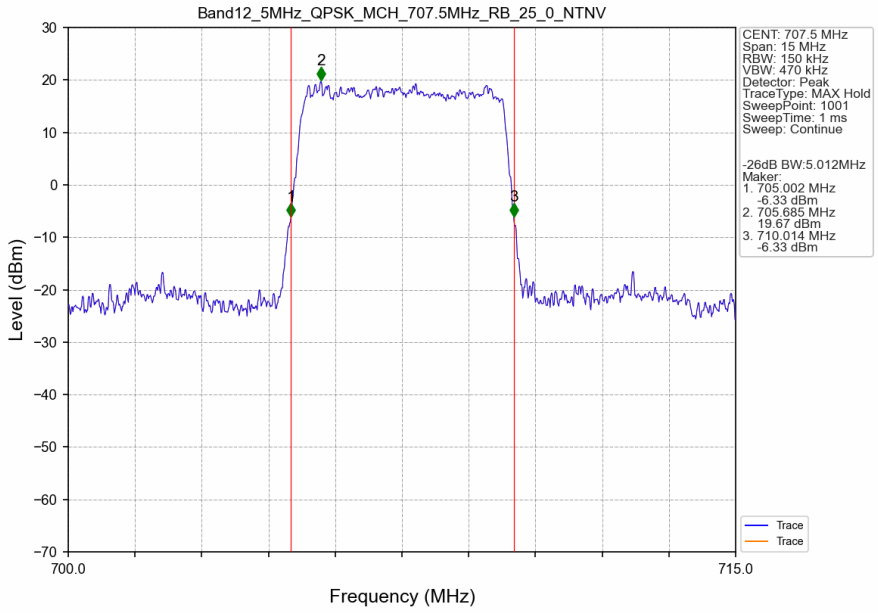
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



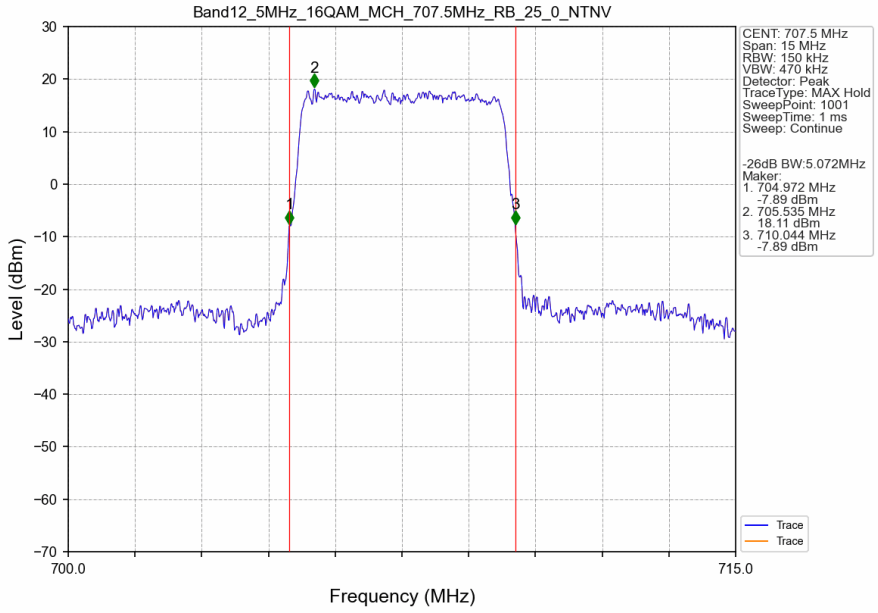
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



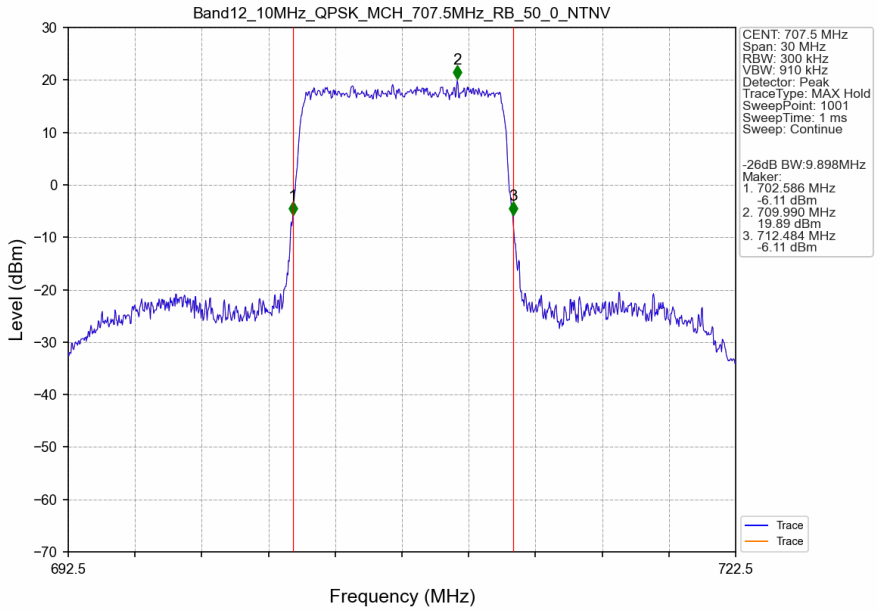
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



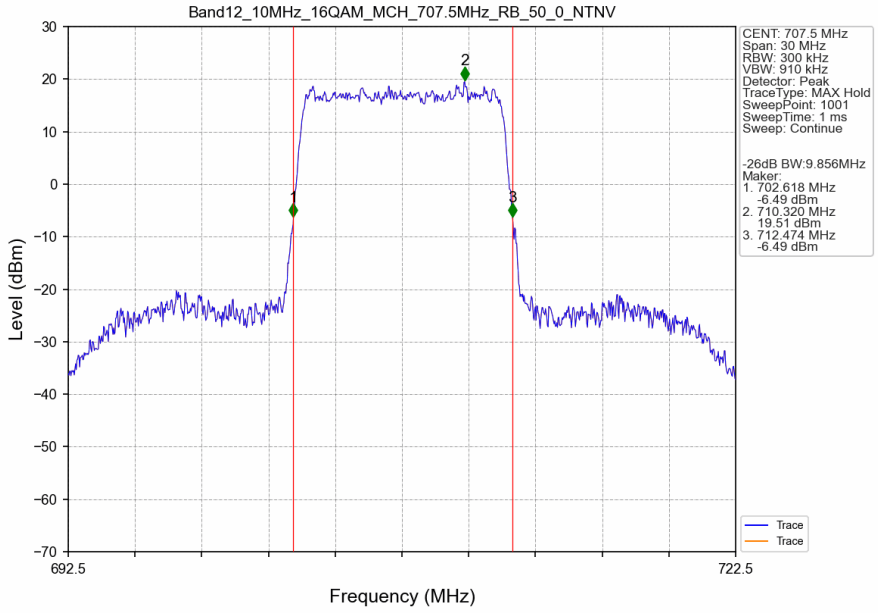
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



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

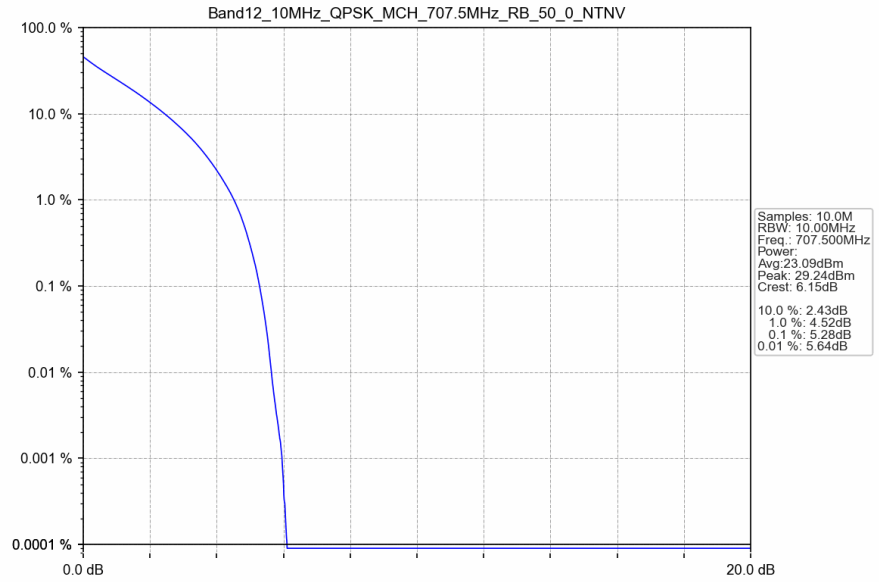
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.28	<=13	Pass
16QAM	707.5	50	0	5.91	<=13	Pass
64QAM	707.5	50	0	6.29	<=13	Pass
256QAM	707.5	50	0	6.62	<=13	Pass

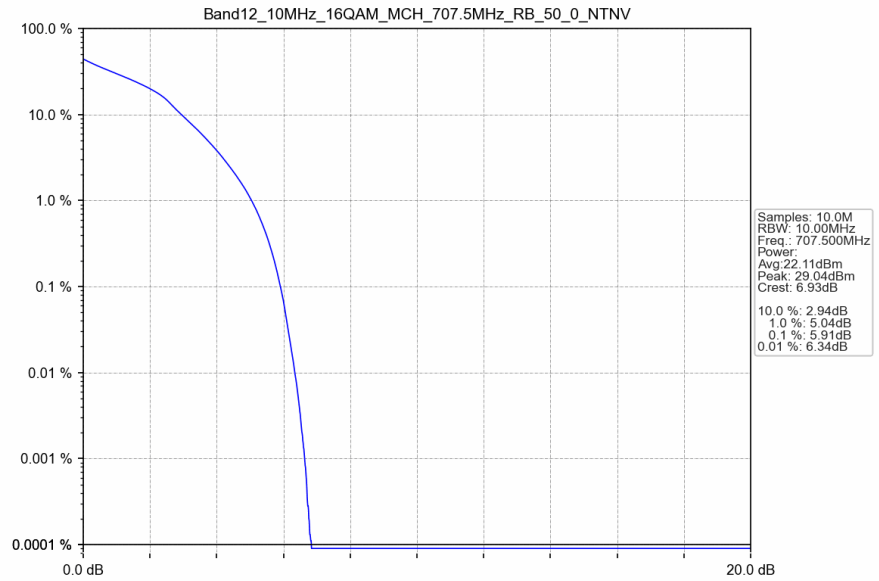
4.2 Test Graph

4.2.1 B12_10MHz

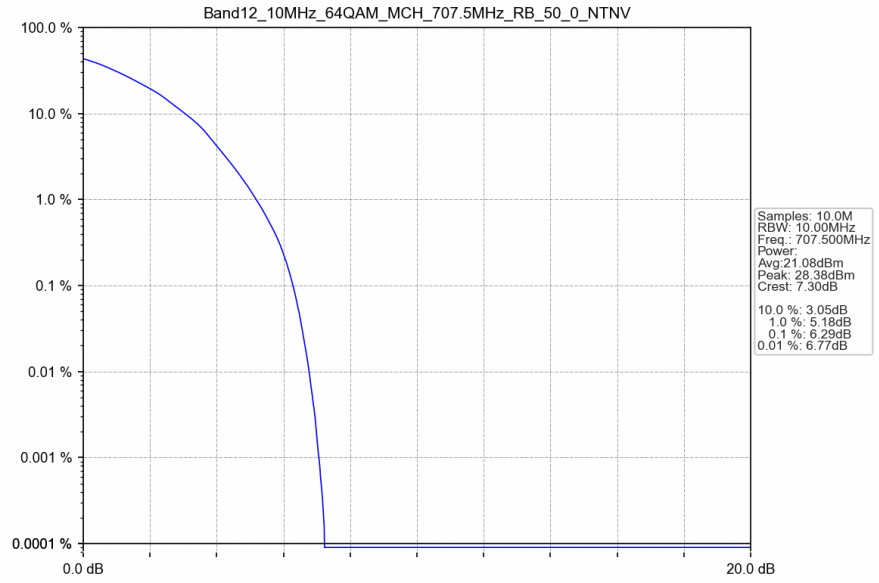
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



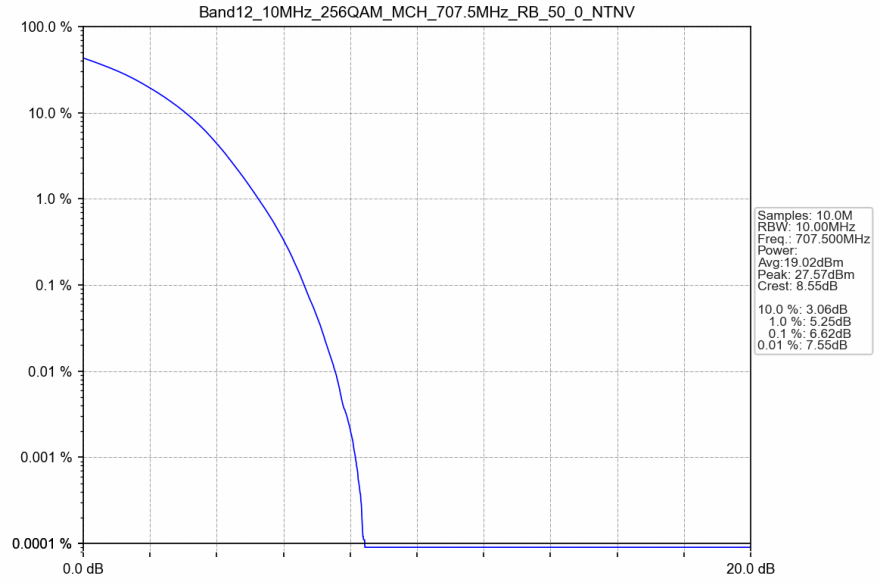
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B12_1.4MHz

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

5.1.2 B12_3MHz

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

5.1.3 B12_5MHz

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

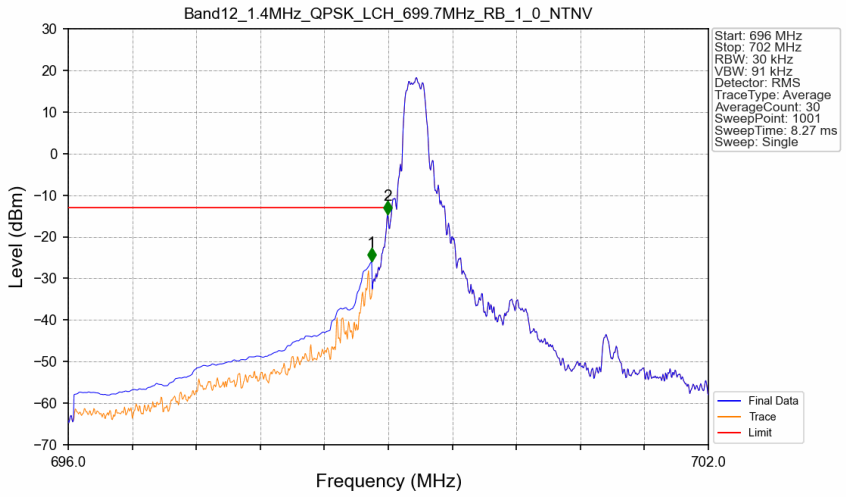
5.1.4 B12_10MHz

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

5.2 Test Graph

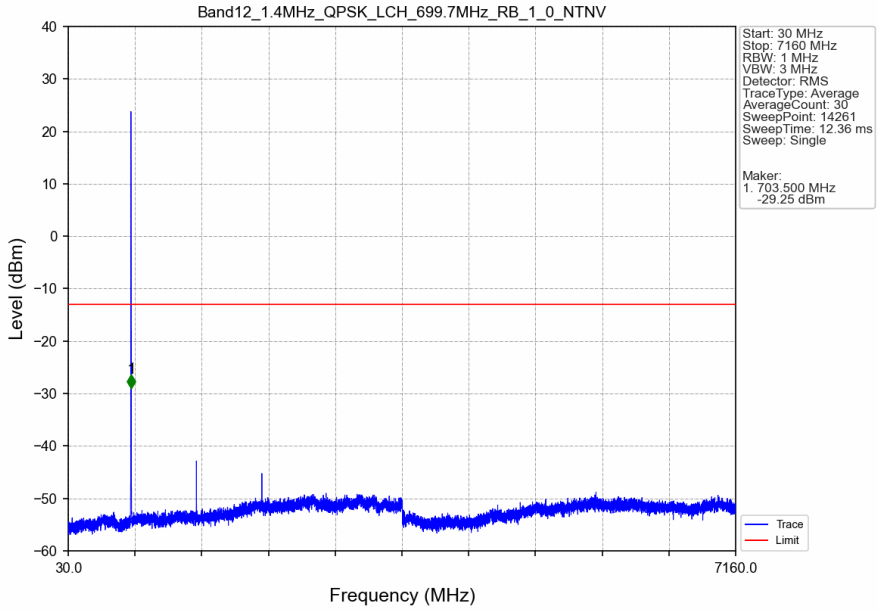
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

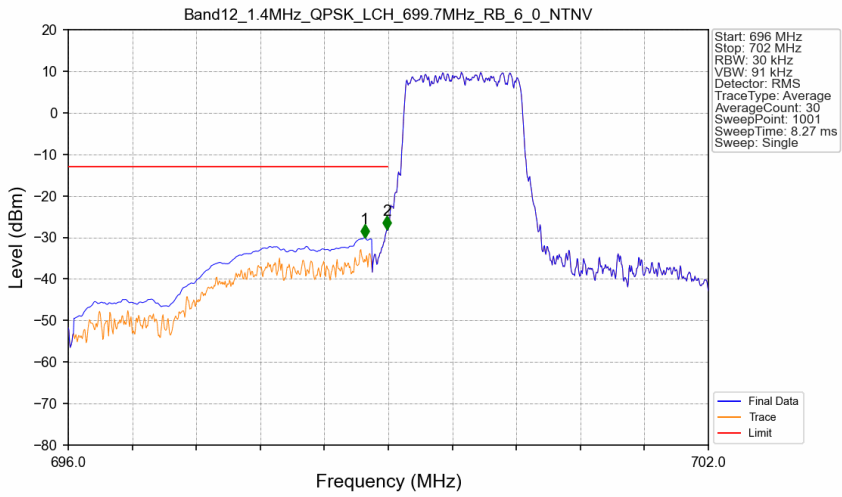


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-25.94	-13	Pass
698.9	699	0.03	/	2	698.994	-14.53	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

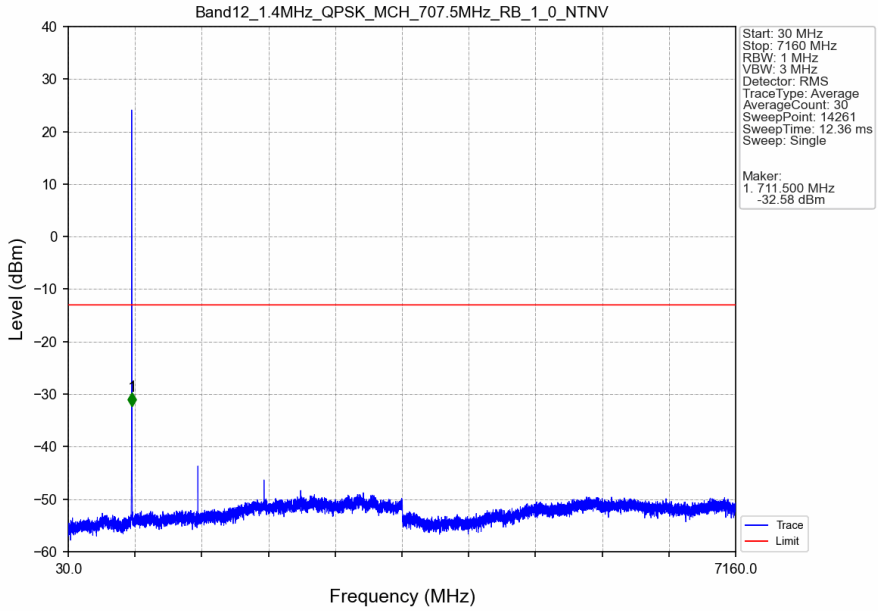


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

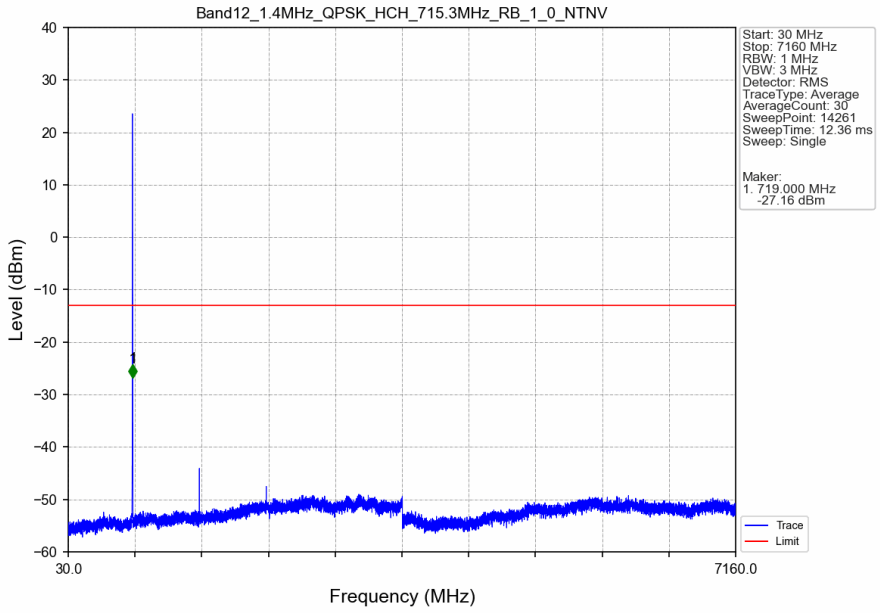


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.778	-30.03	-13	Pass
698.9	699	0.03	/	2	698.988	-28.10	-13	Pass
699	702	0.03	/	/	/	/	/	/

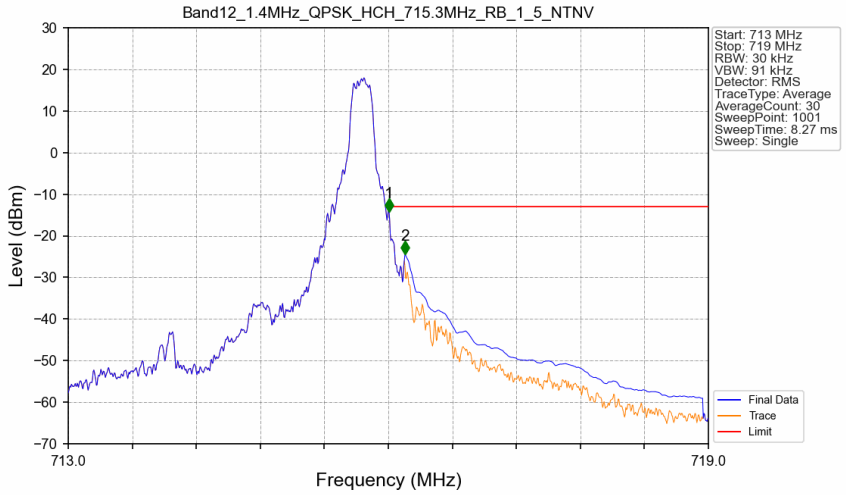
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

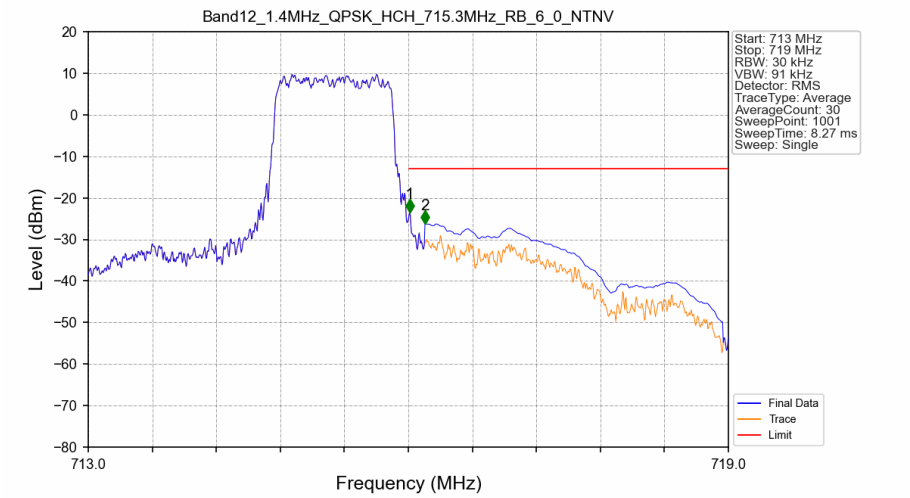


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	-14.14	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.41	-13	Pass

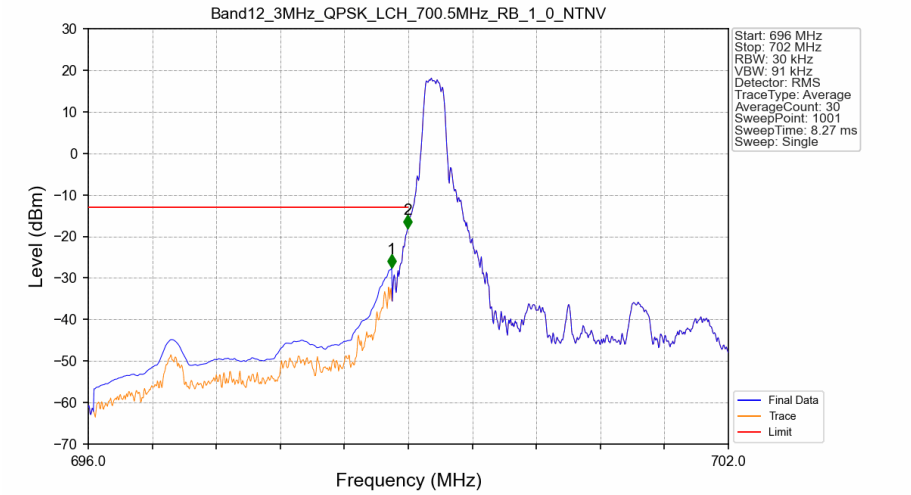
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	716.012	-23.51	-13	Pass
716.1	719	0.1	CHP	2	716.156	-26.20	-13	Pass

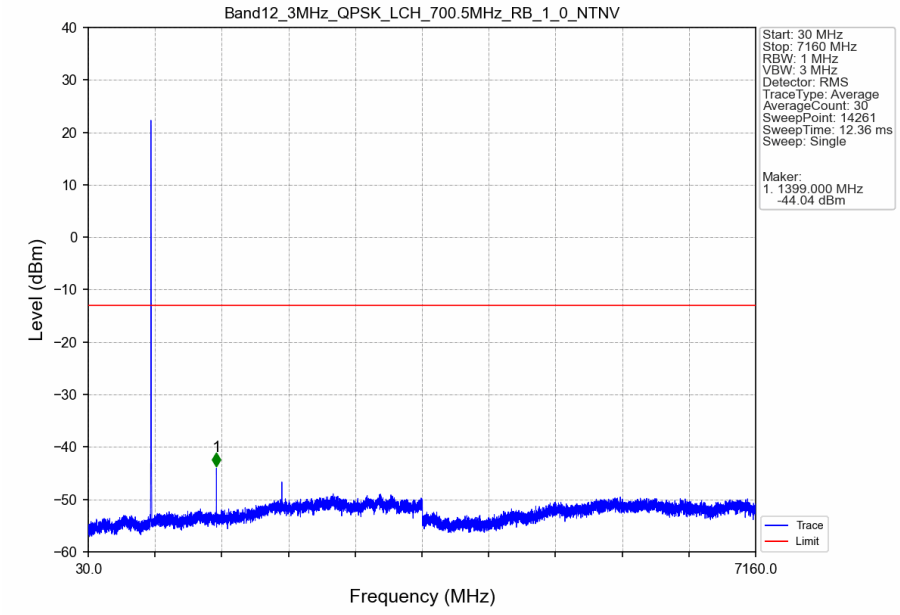
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

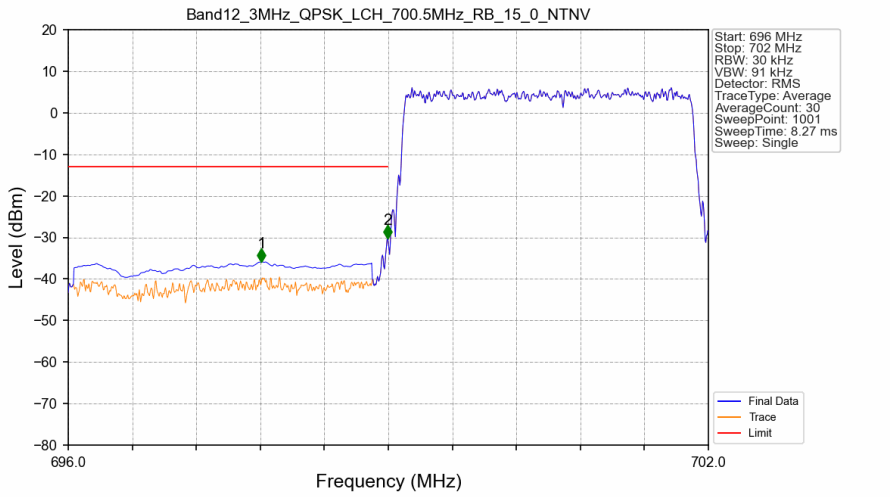


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-27.52	-13	Pass
698.9	699	0.03	/	2	698.994	-18.09	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

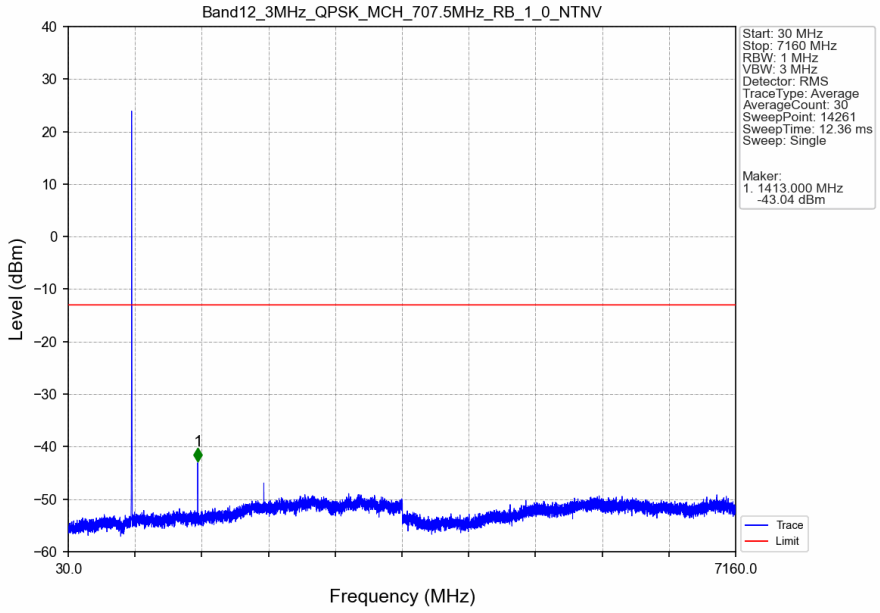


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

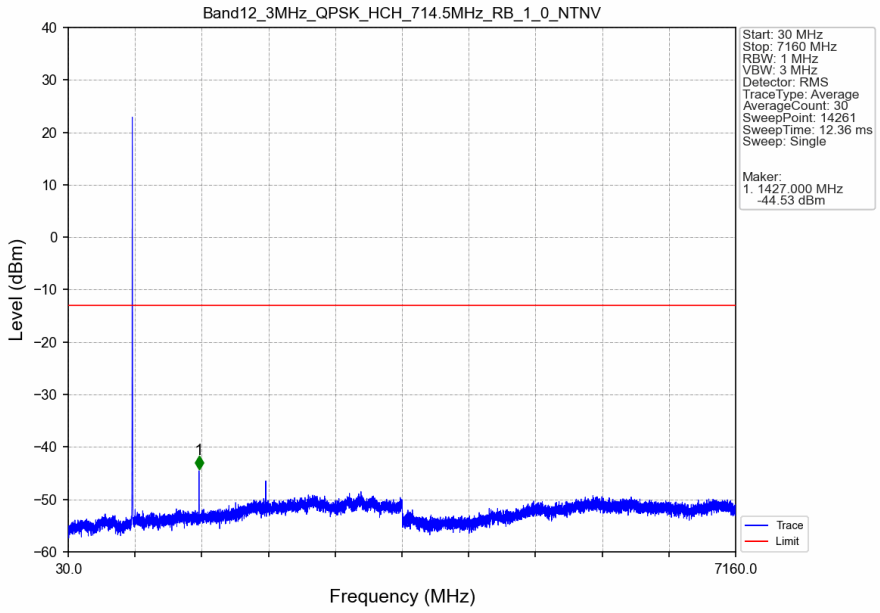


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	697.812	-35.88	-13	Pass
698.9	699	0.03	/	2	698.994	-30.20	-13	Pass
699	702	0.03	/	/	/	/	/	/

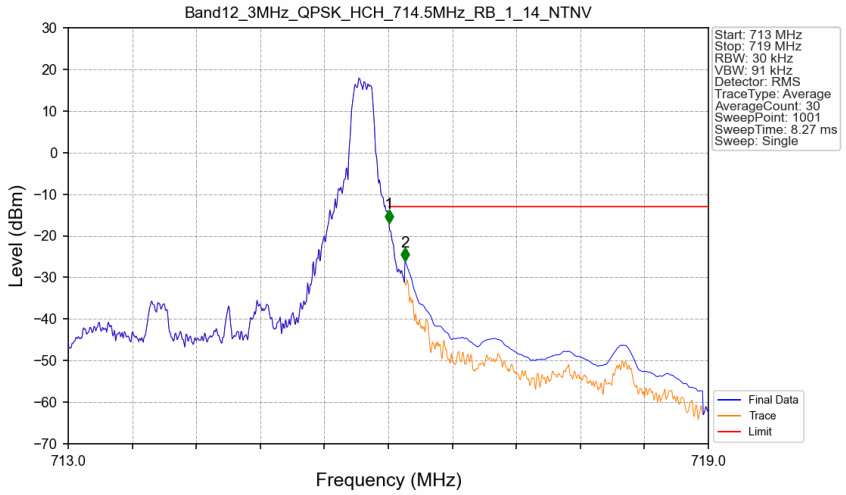
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

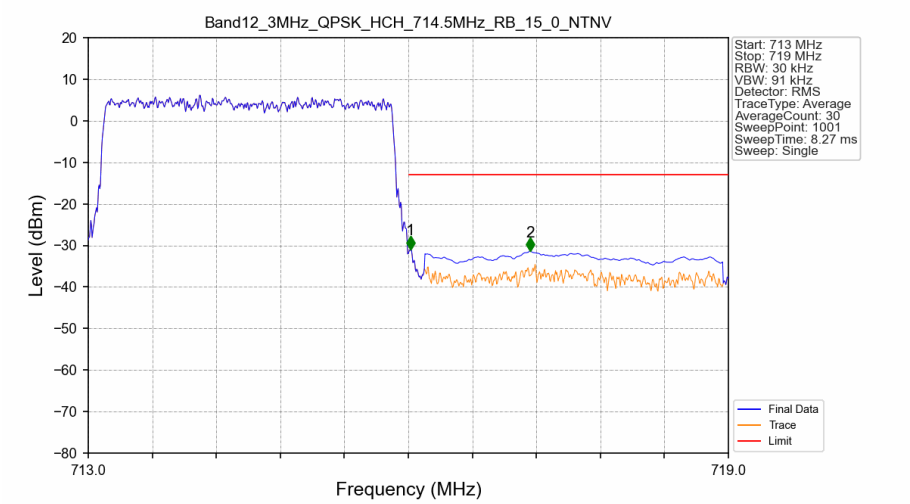


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	-16.85	-13	Pass
716.1	719	0.1	CHP	2	716.156	-26.07	-13	Pass

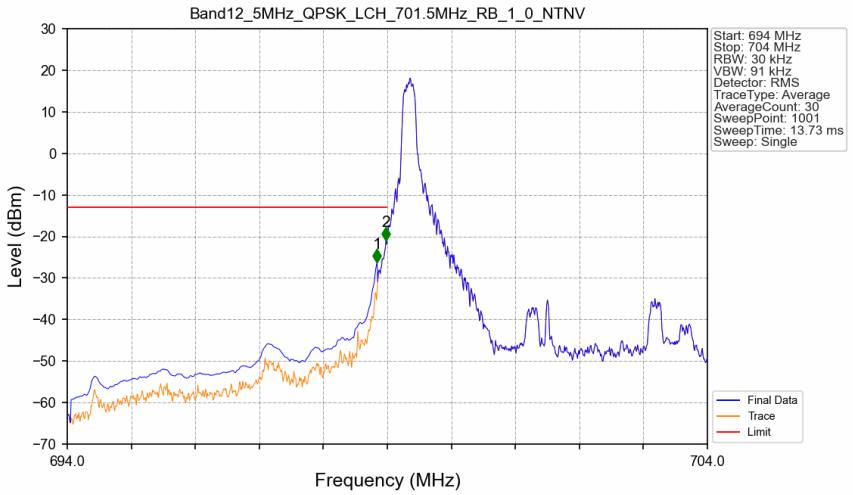
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	716.018	-30.85	-13	Pass
716.1	719	0.1	CHP	2	717.140	-31.31	-13	Pass

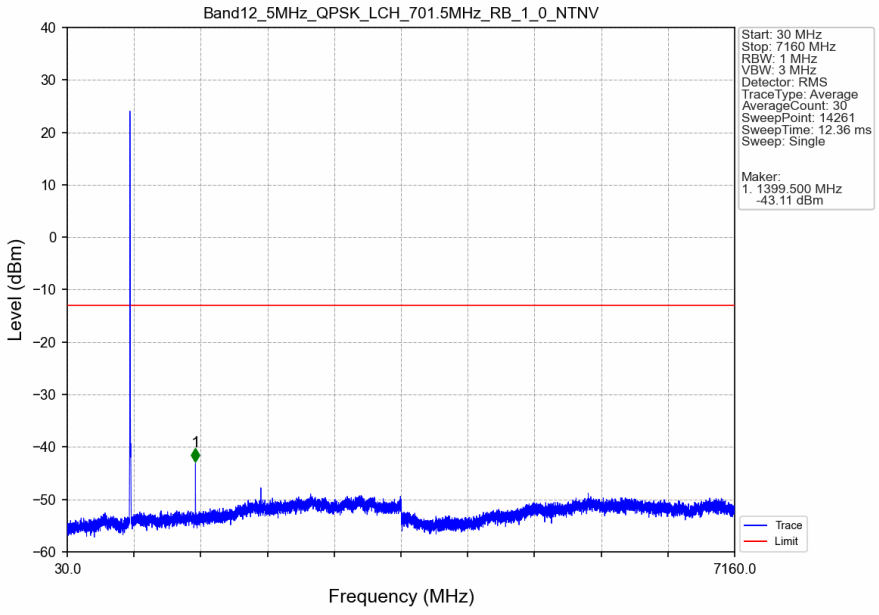
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

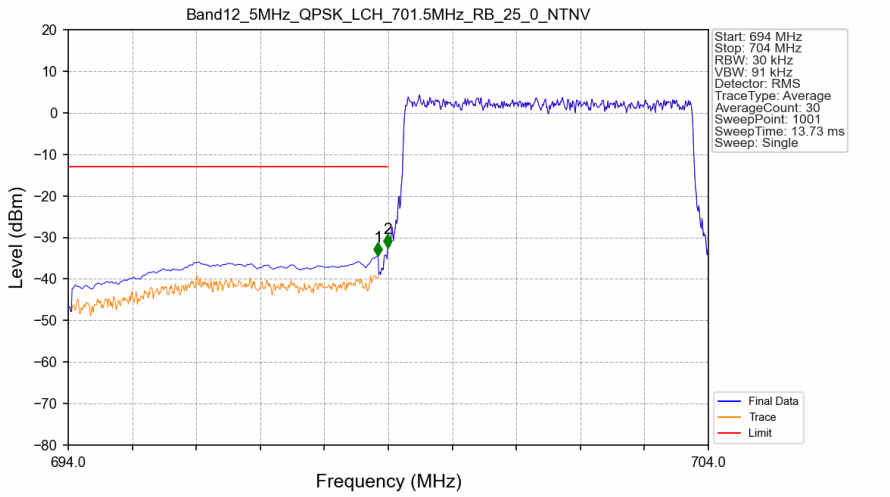


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-26.24	-13	Pass
698.9	699	0.03	/	2	698.980	-20.88	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

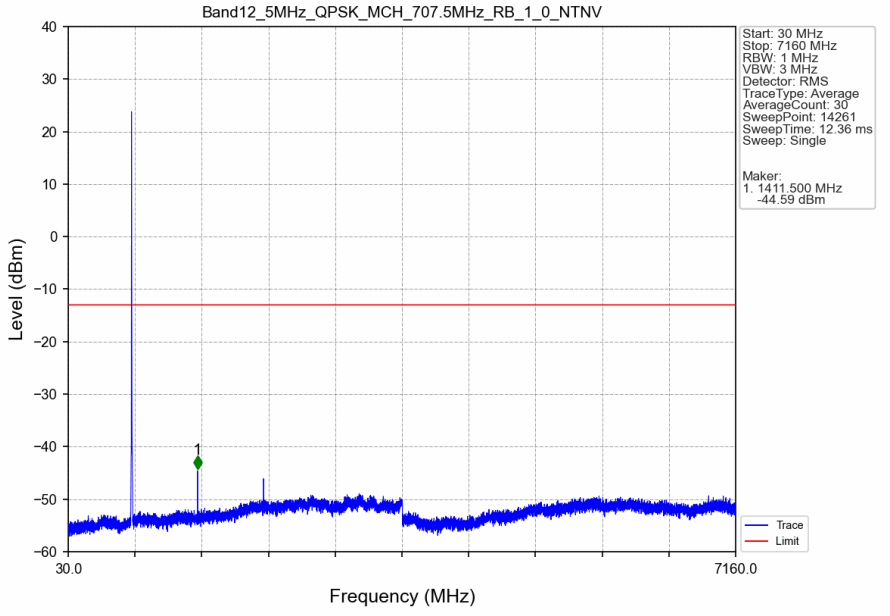


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

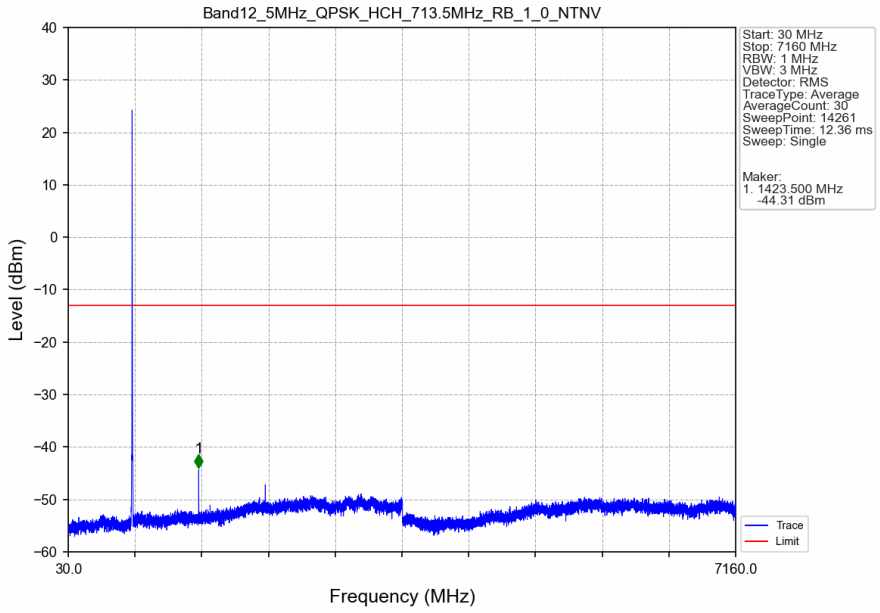


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-34.36	-13	Pass
698.9	699	0.03	/	2	698.990	-32.32	-13	Pass
699	704	0.03	/	/	/	/	/	/

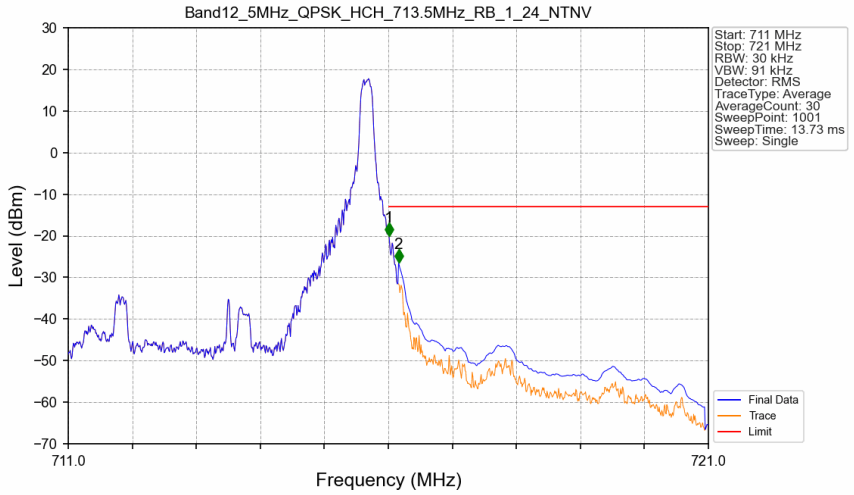
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

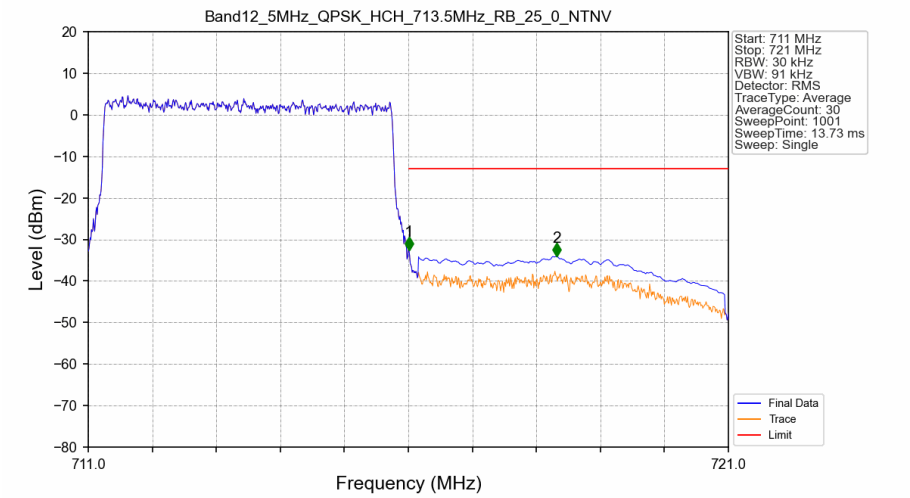


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-19.96	-13	Pass
716.1	721	0.1	CHP	2	716.160	-26.41	-13	Pass

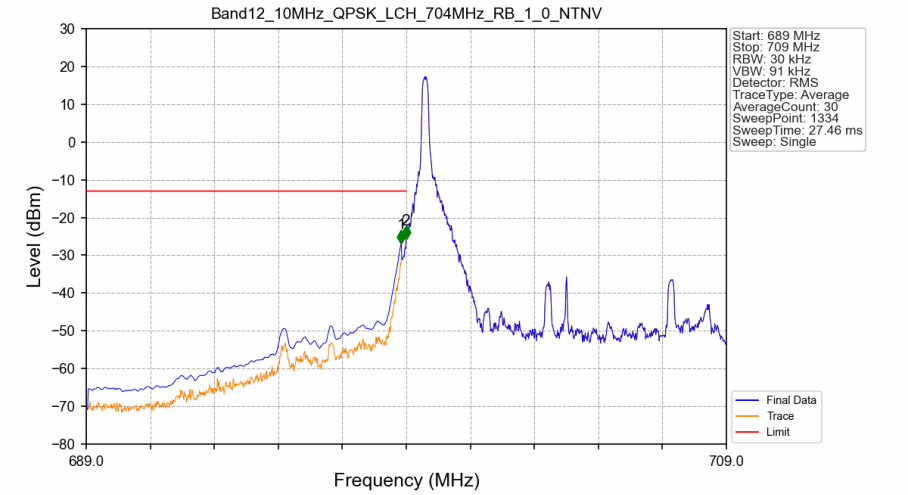
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	-32.61	-13	Pass
716.1	721	0.1	CHP	2	718.320	-34.11	-13	Pass

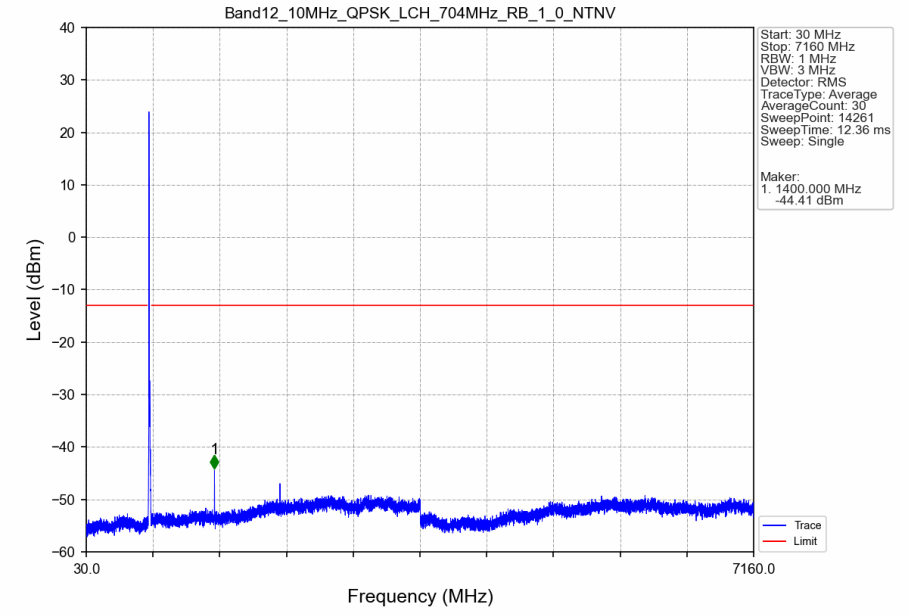
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

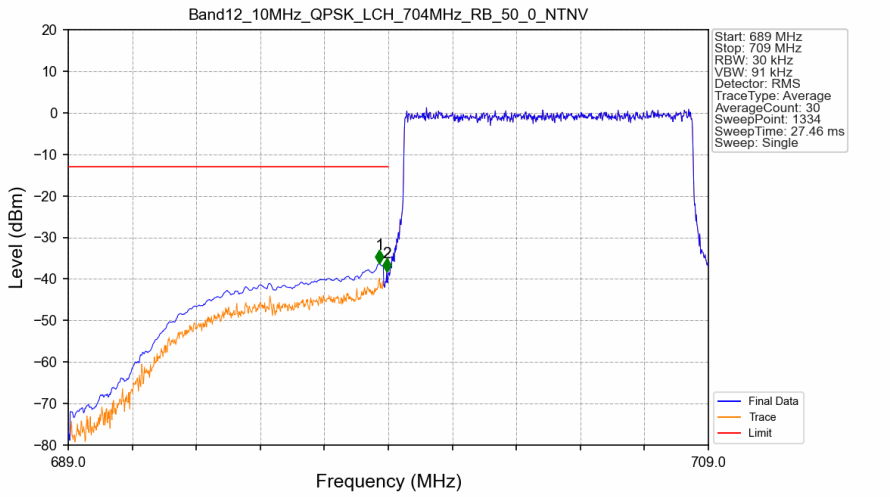


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-26.74	-13	Pass
698.9	699	0.03	/	2	698.992	-25.64	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

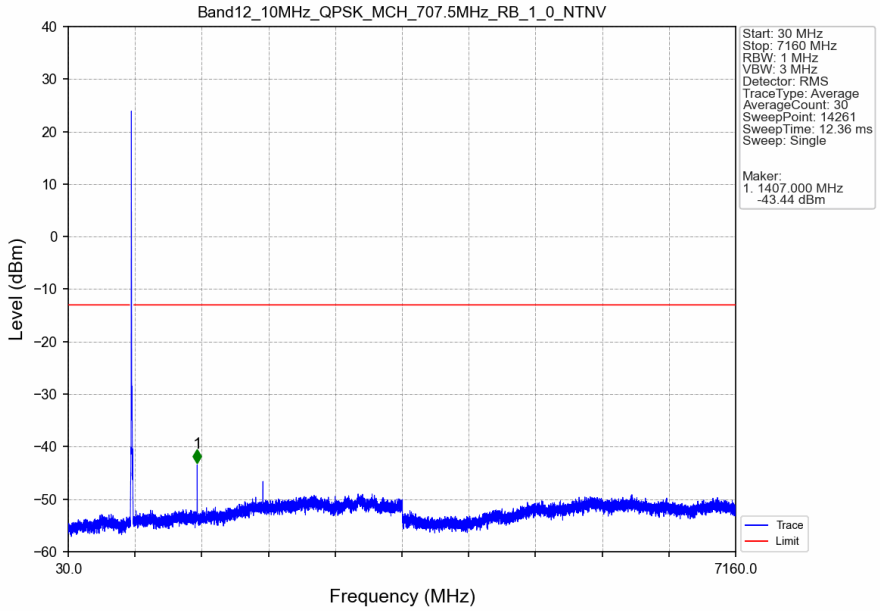


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

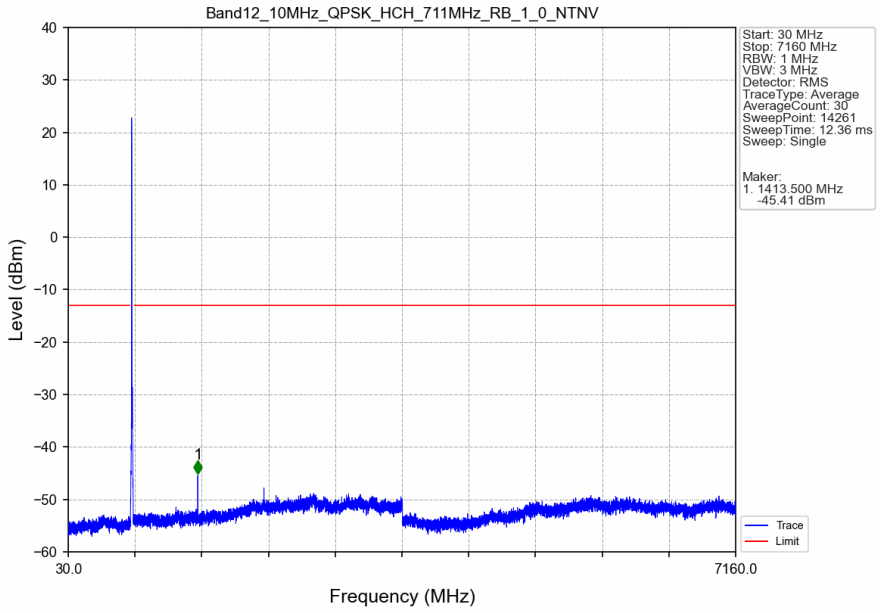


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.722	-36.31	-13	Pass
698.9	699	0.03	/	2	698.947	-38.31	-13	Pass
699	709	0.03	/	/	/	/	/	/

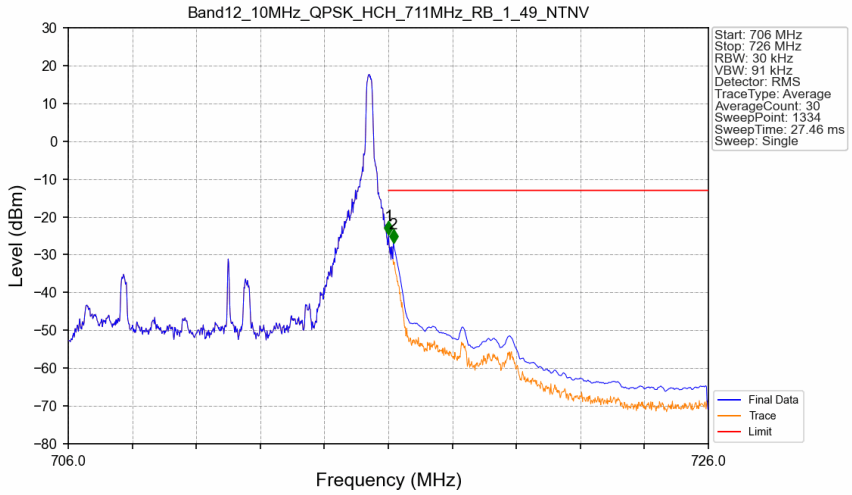
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

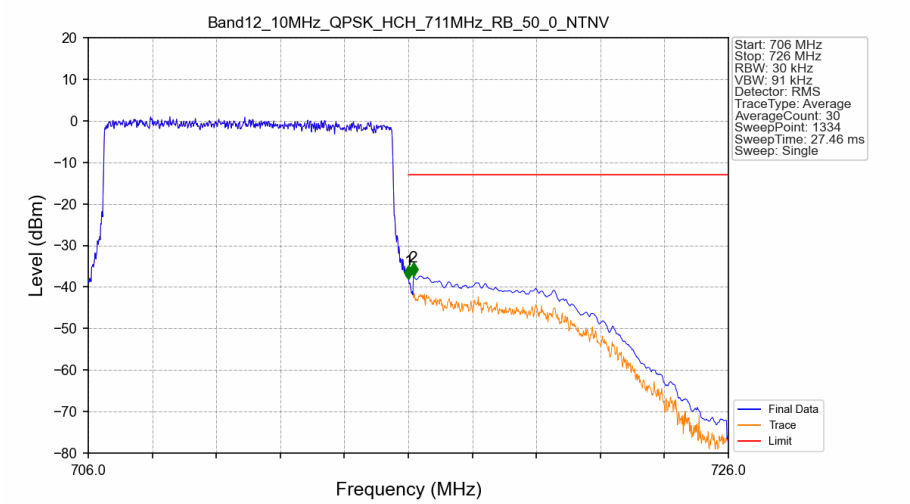


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-24.55	-13	Pass
716.1	726	0.1	CHP	2	716.158	-26.80	-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	-38.03	-13	Pass
716.1	726	0.1	CHP	2	716.158	-37.27	-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	-61.05	-13	-48.05	-63.82	2.47	5.24	Horizontal	Pass
2098.5	-58.27	-13	-45.27	-60.34	2.79	4.86	Horizontal	Pass
2798.0	-68.22	-13	-55.22	-71.58	3.12	6.48	Horizontal	Pass
1399.0	-62.68	-13	-49.68	-65.45	2.47	5.24	Vertical	Pass
2098.5	-58.7	-13	-45.7	-60.77	2.79	4.86	Vertical	Pass
2798.0	-68.53	-13	-55.53	-71.89	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	-56.29	-13	-43.29	-59.09	2.48	5.28	Horizontal	Pass
2109.0	-58.89	-13	-45.89	-60.97	2.8	4.88	Horizontal	Pass
2812.0	-68.65	-13	-55.65	-72.04	3.12	6.51	Horizontal	Pass
1406.0	-61.5	-13	-48.5	-64.3	2.48	5.28	Vertical	Pass
2109.0	-58.33	-13	-45.33	-60.41	2.8	4.88	Vertical	Pass
2812.0	-68.04	-13	-55.04	-71.43	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	-56.53	-13	-43.53	-59.37	2.49	5.33	Horizontal	Pass
2119.5	-59.64	-13	-46.64	-61.74	2.81	4.91	Horizontal	Pass
2826.0	-68.19	-13	-55.19	-71.6	3.13	6.54	Horizontal	Pass
1413.0	-58.46	-13	-45.46	-61.3	2.49	5.33	Vertical	Pass
2119.5	-59.64	-13	-46.64	-61.74	2.81	4.91	Vertical	Pass
2826.0	-68.18	-13	-55.18	-71.59	3.13	6.54	Vertical	Pass