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	23.27	-0.94	20.18	<=34.77	Pass
			5	23.36	-0.94	20.27	<=34.77	Pass
		6	0	22.31	-0.94	19.22	<=34.77	Pass
	707.5	1	0	23.19	-0.94	20.10	<=34.77	Pass
			5	23.24	-0.94	20.15	<=34.77	Pass
		6	0	22.10	-0.94	19.01	<=34.77	Pass
	715.3	1	0	23.00	-0.94	19.91	<=34.77	Pass
			5	23.06	-0.94	19.97	<=34.77	Pass
		6	0	22.08	-0.94	18.99	<=34.77	Pass
16QAM	699.7	1	0	22.63	-0.94	19.54	<=34.77	Pass
			5	22.49	-0.94	19.40	<=34.77	Pass
		6	0	21.28	-0.94	18.19	<=34.77	Pass
	707.5	1	0	22.45	-0.94	19.36	<=34.77	Pass
			5	22.64	-0.94	19.55	<=34.77	Pass
		6	0	21.23	-0.94	18.14	<=34.77	Pass
	715.3	1	0	22.44	-0.94	19.35	<=34.77	Pass
			5	22.36	-0.94	19.27	<=34.77	Pass
		6	0	21.18	-0.94	18.09	<=34.77	Pass
64QAM	699.7	1	0	22.54	-0.94	19.45	<=34.77	Pass
			5	22.08	-0.94	18.99	<=34.77	Pass
		6	0	21.33	-0.94	18.24	<=34.77	Pass
	707.5	1	0	22.21	-0.94	19.12	<=34.77	Pass
			5	22.11	-0.94	19.02	<=34.77	Pass
		6	0	21.16	-0.94	18.07	<=34.77	Pass
	715.3	1	0	22.07	-0.94	18.98	<=34.77	Pass
			5	22.25	-0.94	19.16	<=34.77	Pass
		6	0	21.07	-0.94	17.98	<=34.77	Pass
256QAM	699.7	1	0	18.31	-0.94	15.22	<=34.77	Pass
			5	18.31	-0.94	15.22	<=34.77	Pass
		6	0	18.25	-0.94	15.16	<=34.77	Pass
	707.5	1	0	18.35	-0.94	15.26	<=34.77	Pass
			5	18.27	-0.94	15.18	<=34.77	Pass
		6	0	18.19	-0.94	15.10	<=34.77	Pass
	715.3	1	0	18.32	-0.94	15.23	<=34.77	Pass
			5	18.13	-0.94	15.04	<=34.77	Pass
		6	0	18.13	-0.94	15.04	<=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	23.28	-0.94	20.19	<=34.77	Pass
			14	23.21	-0.94	20.12	<=34.77	Pass
		15	0	22.36	-0.94	19.27	<=34.77	Pass
	707.5	1	0	23.15	-0.94	20.06	<=34.77	Pass

			14	23.15	-0.94	20.06	<=34.77	Pass
		15	0	22.14	-0.94	19.05	<=34.77	Pass
	714.5	1	0	23.22	-0.94	20.13	<=34.77	Pass
			14	23.03	-0.94	19.94	<=34.77	Pass
		15	0	22.15	-0.94	19.06	<=34.77	Pass
16QAM	700.5	1	0	22.63	-0.94	19.54	<=34.77	Pass
			14	22.53	-0.94	19.44	<=34.77	Pass
		15	0	21.30	-0.94	18.21	<=34.77	Pass
	707.5	1	0	22.55	-0.94	19.46	<=34.77	Pass
			14	22.68	-0.94	19.59	<=34.77	Pass
		15	0	21.12	-0.94	18.03	<=34.77	Pass
	714.5	1	0	22.38	-0.94	19.29	<=34.77	Pass
			14	22.35	-0.94	19.26	<=34.77	Pass
		15	0	21.19	-0.94	18.10	<=34.77	Pass
64QAM	700.5	1	0	22.25	-0.94	19.16	<=34.77	Pass
			14	22.30	-0.94	19.21	<=34.77	Pass
		15	0	21.27	-0.94	18.18	<=34.77	Pass
	707.5	1	0	22.43	-0.94	19.34	<=34.77	Pass
			14	22.28	-0.94	19.19	<=34.77	Pass
		15	0	21.11	-0.94	18.02	<=34.77	Pass
	714.5	1	0	22.25	-0.94	19.16	<=34.77	Pass
			14	22.39	-0.94	19.30	<=34.77	Pass
		15	0	21.19	-0.94	18.10	<=34.77	Pass
256QAM	700.5	1	0	18.39	-0.94	15.30	<=34.77	Pass
			14	18.25	-0.94	15.16	<=34.77	Pass
		15	0	18.27	-0.94	15.18	<=34.77	Pass
	707.5	1	0	18.15	-0.94	15.06	<=34.77	Pass
			14	18.39	-0.94	15.30	<=34.77	Pass
		15	0	18.20	-0.94	15.11	<=34.77	Pass
	714.5	1	0	18.26	-0.94	15.17	<=34.77	Pass
			14	17.98	-0.94	14.89	<=34.77	Pass
		15	0	18.15	-0.94	15.06	<=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	23.31	-0.94	20.22	<=34.77	Pass
			24	23.23	-0.94	20.14	<=34.77	Pass
		25	0	22.35	-0.94	19.26	<=34.77	Pass
	707.5	1	0	23.27	-0.94	20.18	<=34.77	Pass
			24	23.24	-0.94	20.15	<=34.77	Pass
		25	0	22.21	-0.94	19.12	<=34.77	Pass
	713.5	1	0	23.24	-0.94	20.15	<=34.77	Pass
			24	23.05	-0.94	19.96	<=34.77	Pass
		25	0	22.17	-0.94	19.08	<=34.77	Pass
16QAM	701.5	1	0	22.65	-0.94	19.56	<=34.77	Pass
			24	22.57	-0.94	19.48	<=34.77	Pass
		25	0	21.28	-0.94	18.19	<=34.77	Pass
	707.5	1	0	22.50	-0.94	19.41	<=34.77	Pass
			24	22.46	-0.94	19.37	<=34.77	Pass
		25	0	21.13	-0.94	18.04	<=34.77	Pass
	713.5	1	0	22.59	-0.94	19.50	<=34.77	Pass
			24	22.56	-0.94	19.47	<=34.77	Pass
		25	0	21.15	-0.94	18.06	<=34.77	Pass

64QAM	701.5	1	0	22.31	-0.94	19.22	<=34.77	Pass
			24	22.29	-0.94	19.20	<=34.77	Pass
		25	0	21.29	-0.94	18.20	<=34.77	Pass
	707.5	1	0	22.49	-0.94	19.40	<=34.77	Pass
			24	22.24	-0.94	19.15	<=34.77	Pass
		25	0	21.12	-0.94	18.03	<=34.77	Pass
	713.5	1	0	22.31	-0.94	19.22	<=34.77	Pass
			24	22.35	-0.94	19.26	<=34.77	Pass
		25	0	21.18	-0.94	18.09	<=34.77	Pass
256QAM	701.5	1	0	18.18	-0.94	15.09	<=34.77	Pass
			24	18.21	-0.94	15.12	<=34.77	Pass
		25	0	18.30	-0.94	15.21	<=34.77	Pass
	707.5	1	0	18.22	-0.94	15.13	<=34.77	Pass
			24	18.40	-0.94	15.31	<=34.77	Pass
		25	0	18.19	-0.94	15.10	<=34.77	Pass
	713.5	1	0	13.40	-0.94	10.31	<=34.77	Pass
			24	18.42	-0.94	15.33	<=34.77	Pass
		25	0	18.20	-0.94	15.11	<=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	23.31	-0.94	20.22	<=34.77	Pass
			49	23.14	-0.94	20.05	<=34.77	Pass
		50	0	22.36	-0.94	19.27	<=34.77	Pass
	707.5	1	0	23.38	-0.94	20.29	<=34.77	Pass
			49	23.15	-0.94	20.06	<=34.77	Pass
		50	0	22.19	-0.94	19.10	<=34.77	Pass
	711	1	0	23.33	-0.94	20.24	<=34.77	Pass
			49	22.91	-0.94	19.82	<=34.77	Pass
		50	0	22.13	-0.94	19.04	<=34.77	Pass
16QAM	704	1	0	22.48	-0.94	19.39	<=34.77	Pass
			49	22.52	-0.94	19.43	<=34.77	Pass
		50	0	21.32	-0.94	18.23	<=34.77	Pass
	707.5	1	0	22.68	-0.94	19.59	<=34.77	Pass
			49	22.38	-0.94	19.29	<=34.77	Pass
		50	0	21.24	-0.94	18.15	<=34.77	Pass
	711	1	0	22.71	-0.94	19.62	<=34.77	Pass
			49	22.49	-0.94	19.40	<=34.77	Pass
		50	0	21.12	-0.94	18.03	<=34.77	Pass
64QAM	704	1	0	22.20	-0.94	19.11	<=34.77	Pass
			49	22.20	-0.94	19.11	<=34.77	Pass
		50	0	21.37	-0.94	18.28	<=34.77	Pass
	707.5	1	0	22.47	-0.94	19.38	<=34.77	Pass
			49	22.40	-0.94	19.31	<=34.77	Pass
		50	0	21.22	-0.94	18.13	<=34.77	Pass
	711	1	0	22.26	-0.94	19.17	<=34.77	Pass
			49	22.31	-0.94	19.22	<=34.77	Pass
		50	0	21.21	-0.94	18.12	<=34.77	Pass
256QAM	704	1	0	18.32	-0.94	15.23	<=34.77	Pass
			49	18.08	-0.94	14.99	<=34.77	Pass
		50	0	18.35	-0.94	15.26	<=34.77	Pass
	707.5	1	0	18.41	-0.94	15.32	<=34.77	Pass
			49	18.18	-0.94	15.09	<=34.77	Pass

		50	0	18.37	-0.94	15.28	<=34.77	Pass
	711	1	0	18.43	-0.94	15.34	<=34.77	Pass
			49	18.12	-0.94	15.03	<=34.77	Pass
		50	0	18.17	-0.94	15.08	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	707.5	50	0	20	3.6	0.400	0.0006	-2.5 to 2.5	Pass
					3.84	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.3	0.700	0.0010	-2.5 to 2.5	Pass
				-30	3.84	-0.700	-0.0010	-2.5 to 2.5	Pass
				-20	3.84	-0.600	-0.0008	-2.5 to 2.5	Pass
				-10	3.84	0.500	0.0007	-2.5 to 2.5	Pass
				0	3.84	-1.100	-0.0016	-2.5 to 2.5	Pass
				10	3.84	-1.200	-0.0017	-2.5 to 2.5	Pass
				30	3.84	-2.200	-0.0031	-2.5 to 2.5	Pass
				40	3.84	-0.300	-0.0004	-2.5 to 2.5	Pass
				50	3.84	-2.500	-0.0035	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

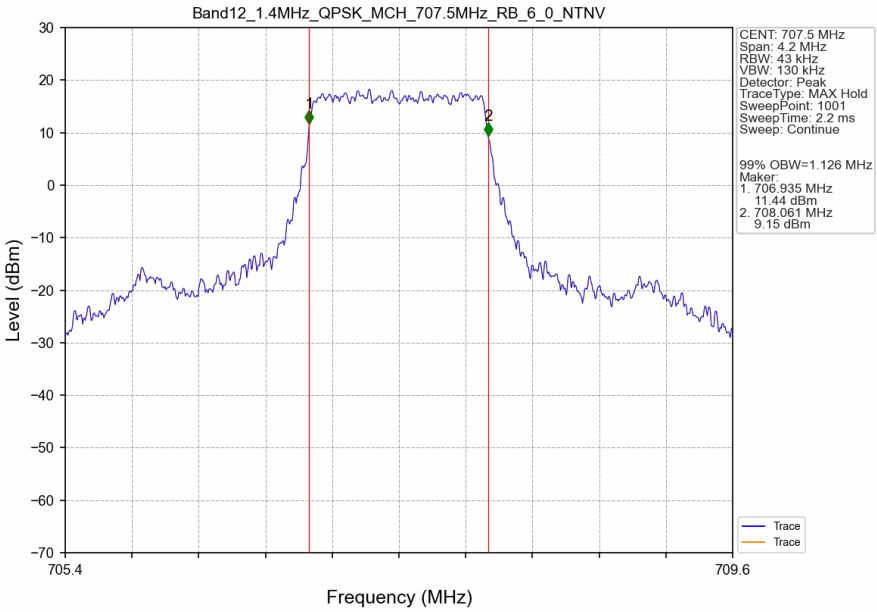
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.126	/	Pass
	16QAM	707.5	6	0	1.132	/	Pass
3	QPSK	707.5	15	0	2.750	/	Pass
	16QAM	707.5	15	0	2.754	/	Pass
5	QPSK	707.5	25	0	4.578	/	Pass
	16QAM	707.5	25	0	4.577	/	Pass
10	QPSK	707.5	50	0	9.141	/	Pass
	16QAM	707.5	50	0	9.132	/	Pass

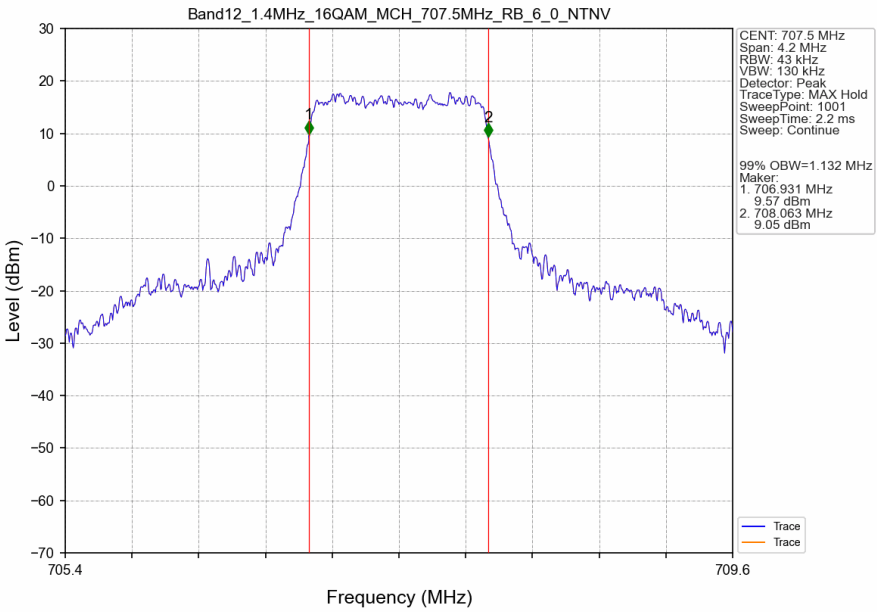
3.1.2 Band12_XDB

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	1.413	/	Pass
	16QAM	707.5	6	0	1.416	/	Pass
3	QPSK	707.5	15	0	3.151	/	Pass
	16QAM	707.5	15	0	3.153	/	Pass
5	QPSK	707.5	25	0	5.290	/	Pass
	16QAM	707.5	25	0	5.277	/	Pass
10	QPSK	707.5	50	0	10.230	/	Pass
	16QAM	707.5	50	0	10.311	/	Pass

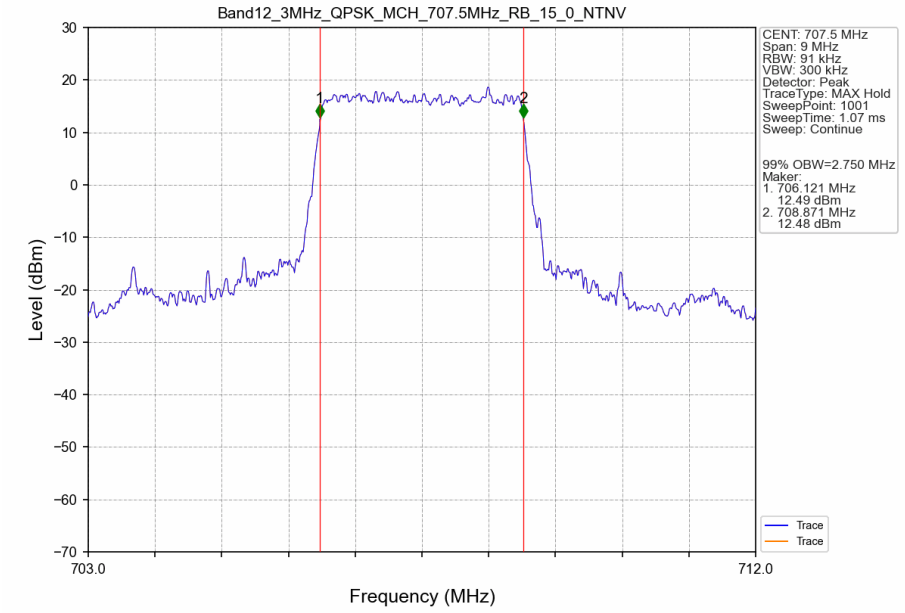
3.2 Test Graph

3.2.1 Band12_OBW

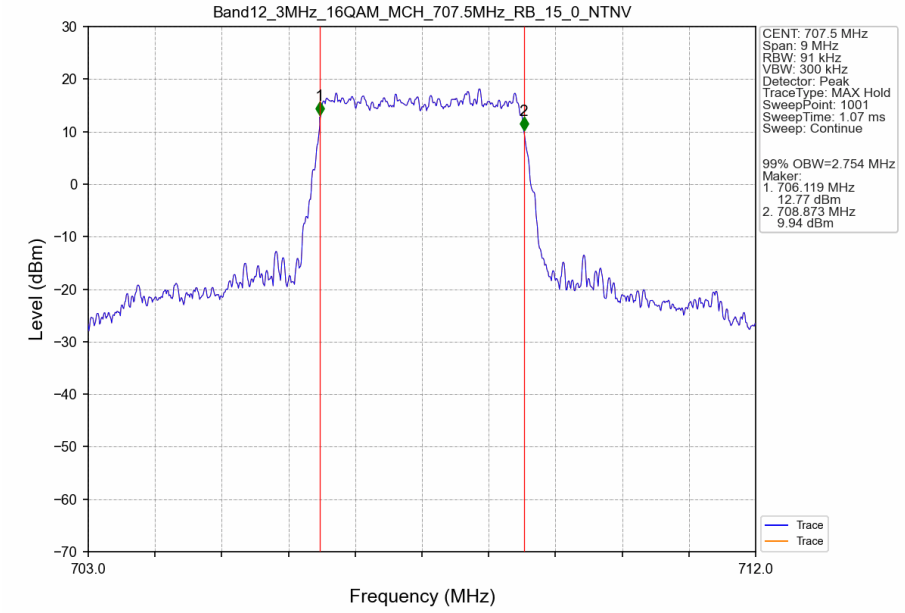
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


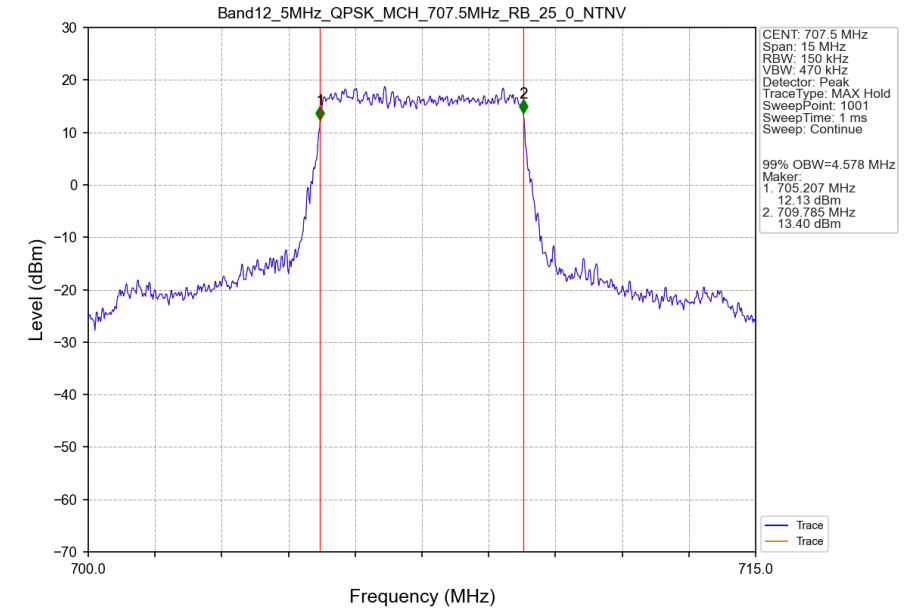
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



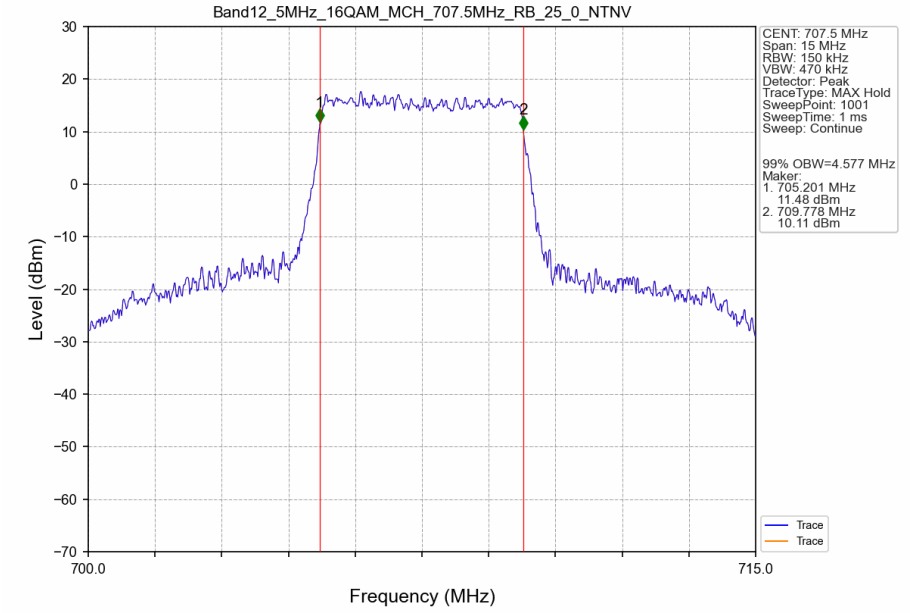
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



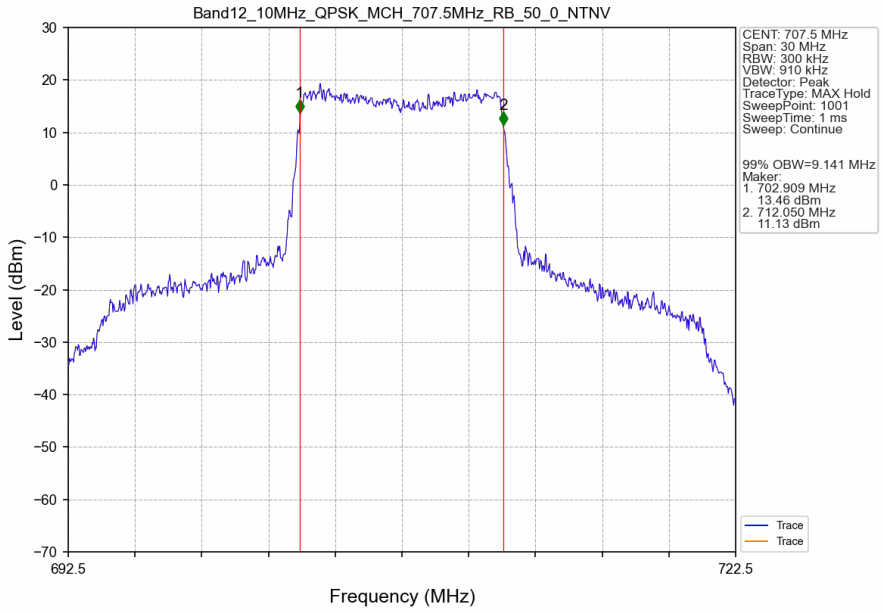
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



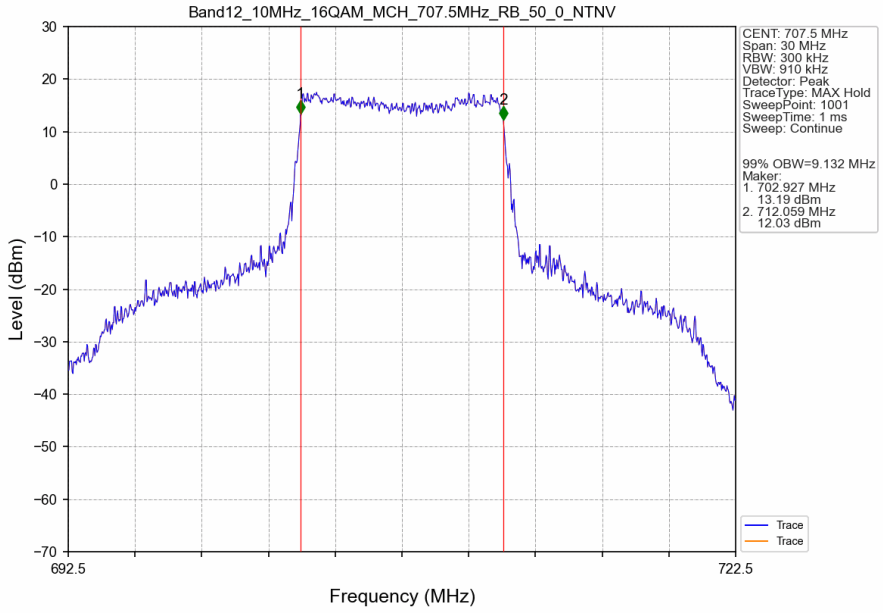
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



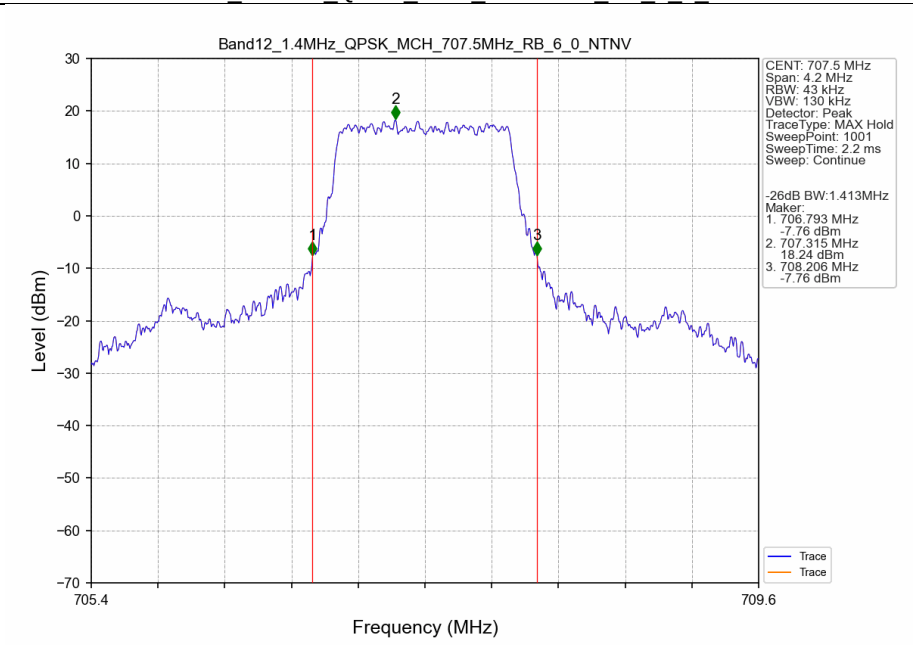
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

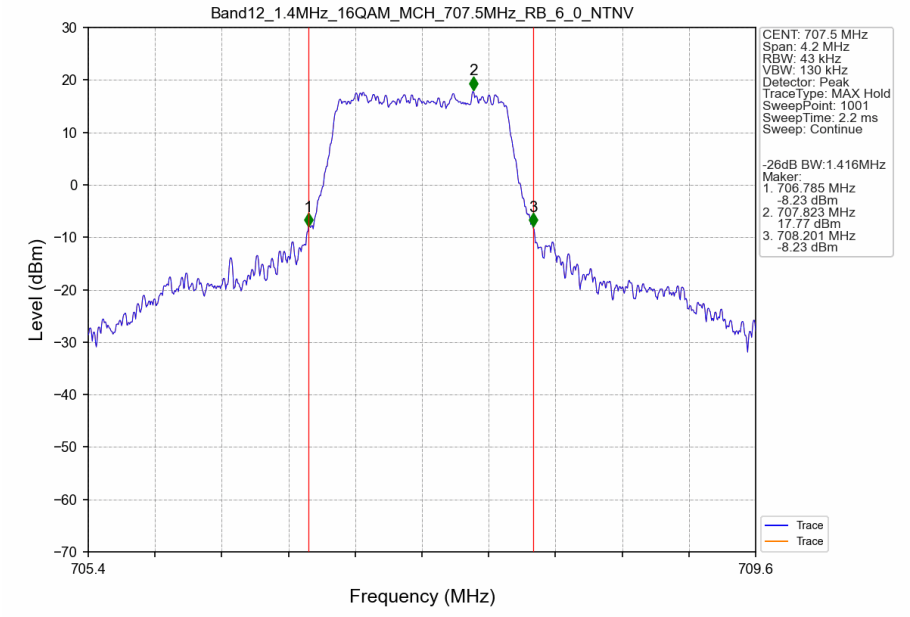


Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

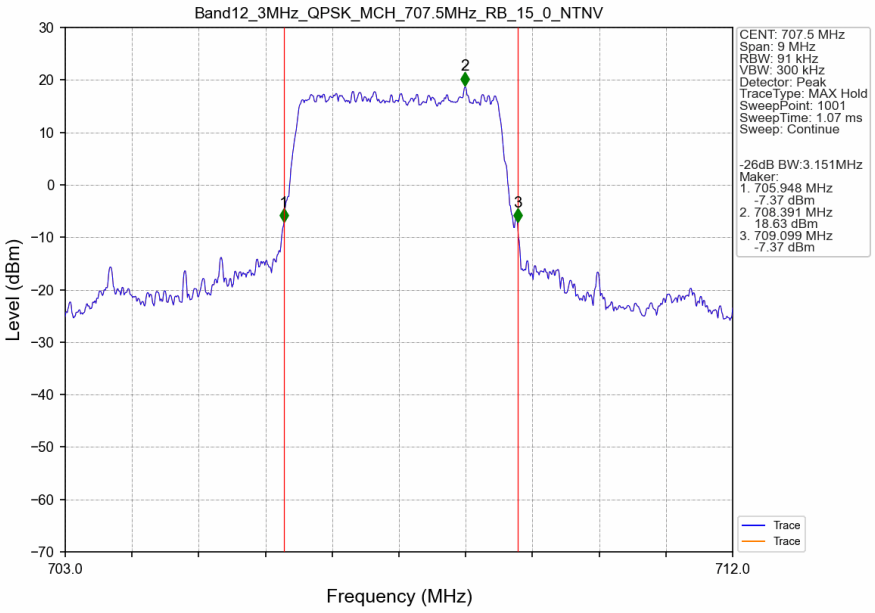


3.2.2 Band12_XDB

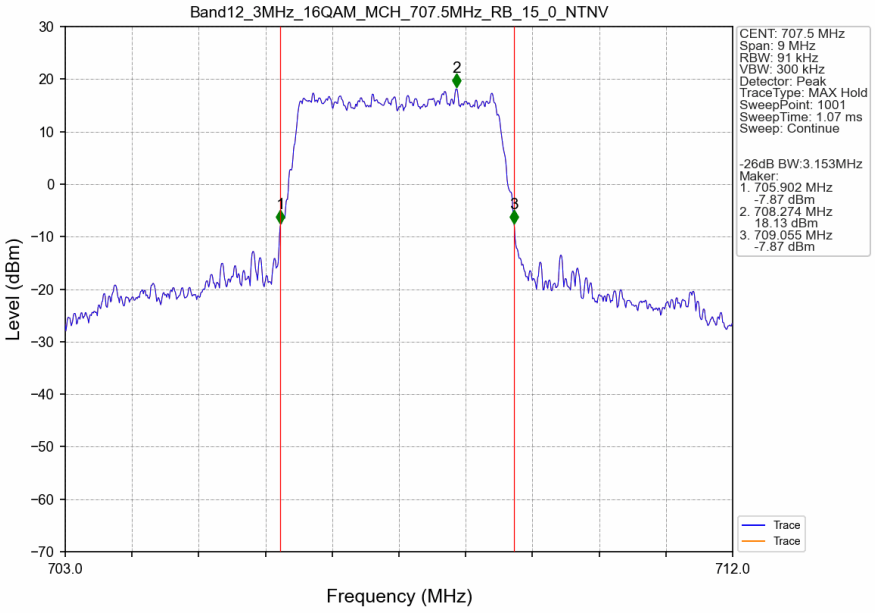
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


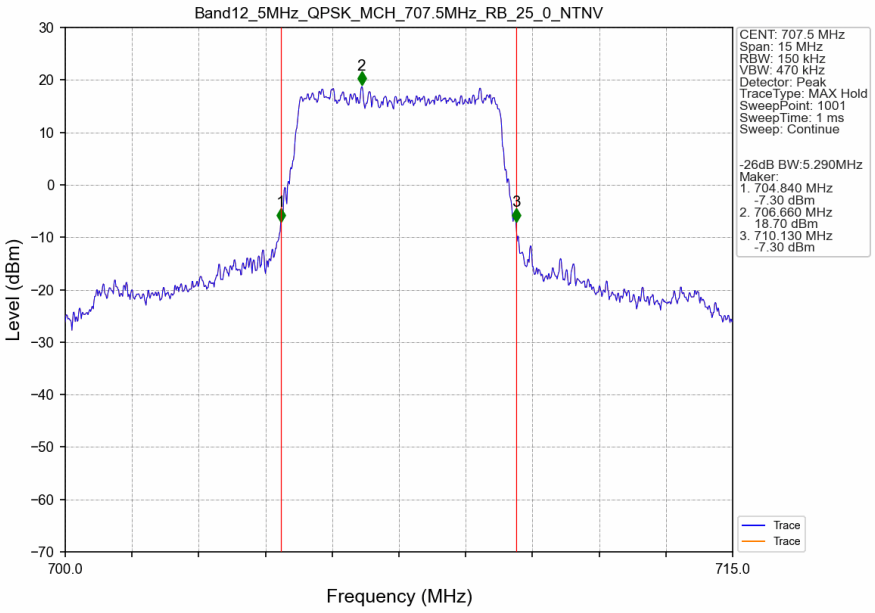
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



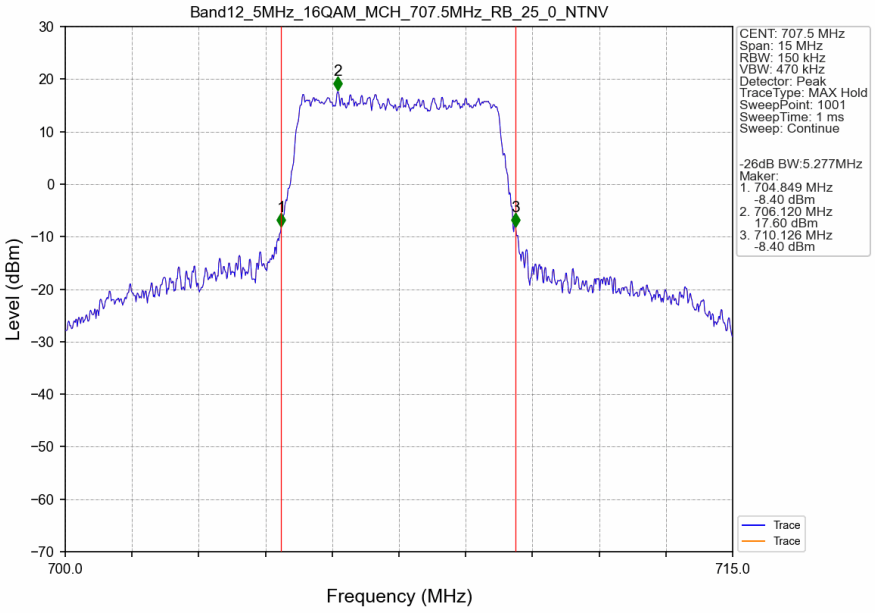
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



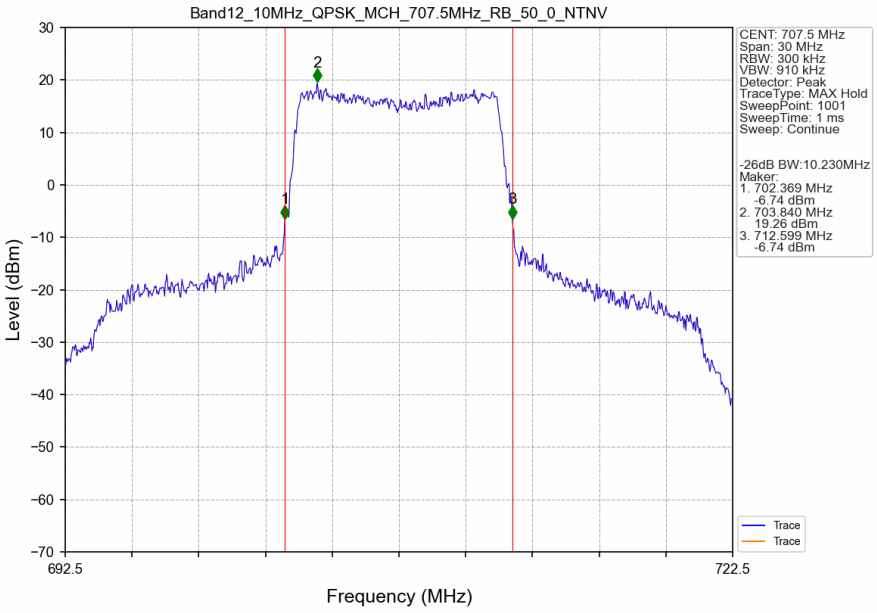
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



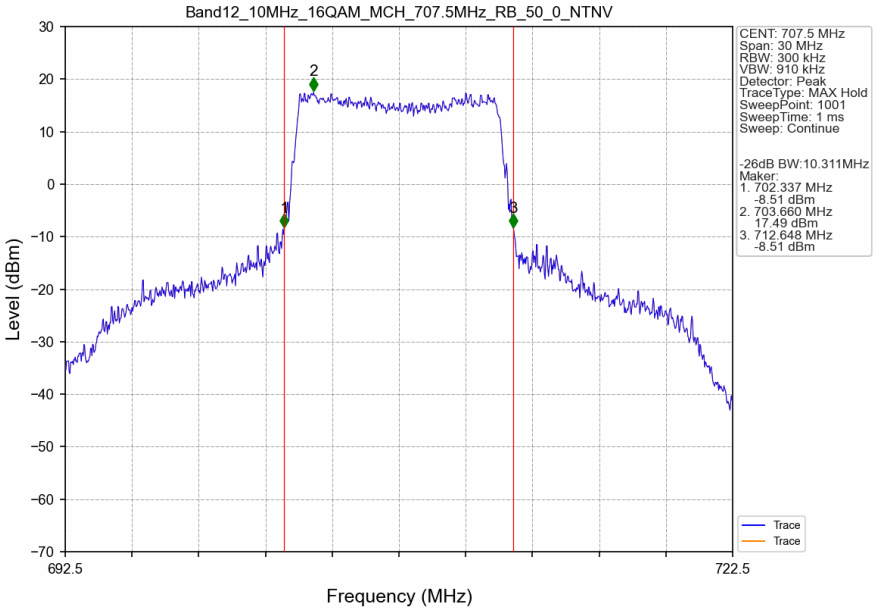
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



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

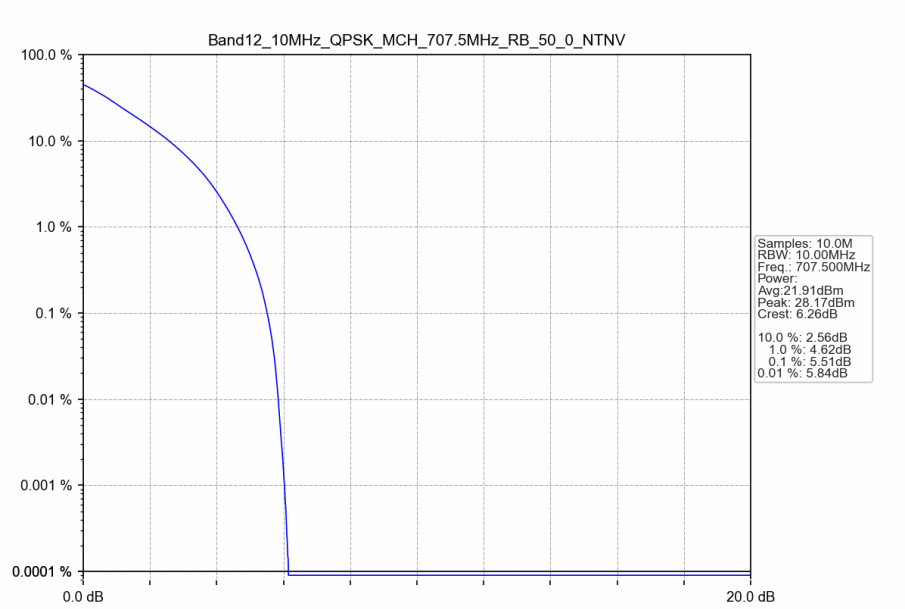
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.51	<=13	Pass
16QAM	707.5	50	0	6.23	<=13	Pass
64QAM	707.5	50	0	6.22	<=13	Pass
256QAM	707.5	50	0	7.07	<=13	Pass

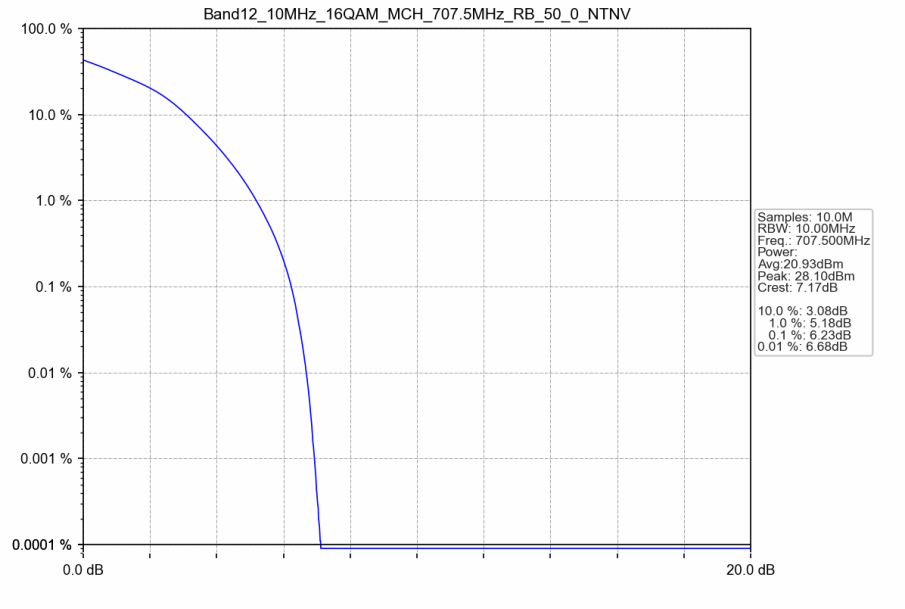
4.2 Test Graph

4.2.1 B12_10MHz

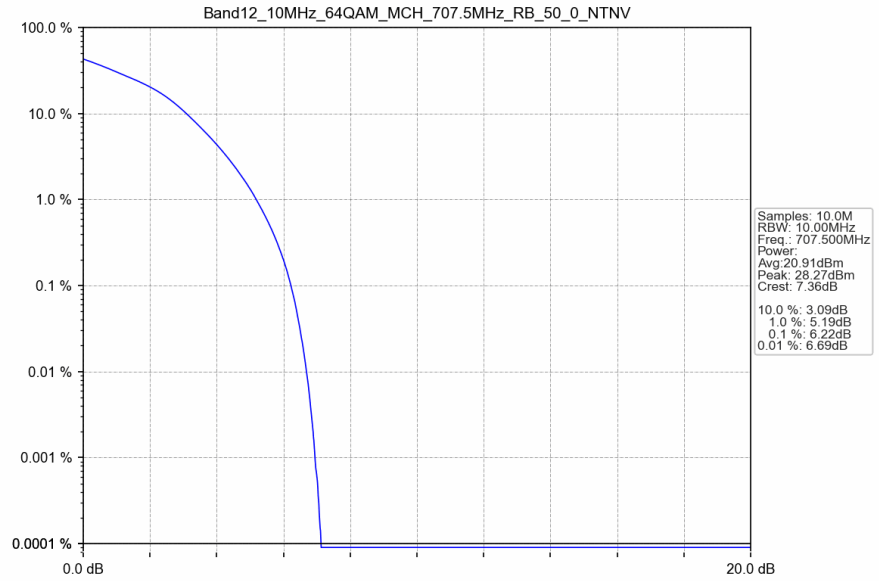
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



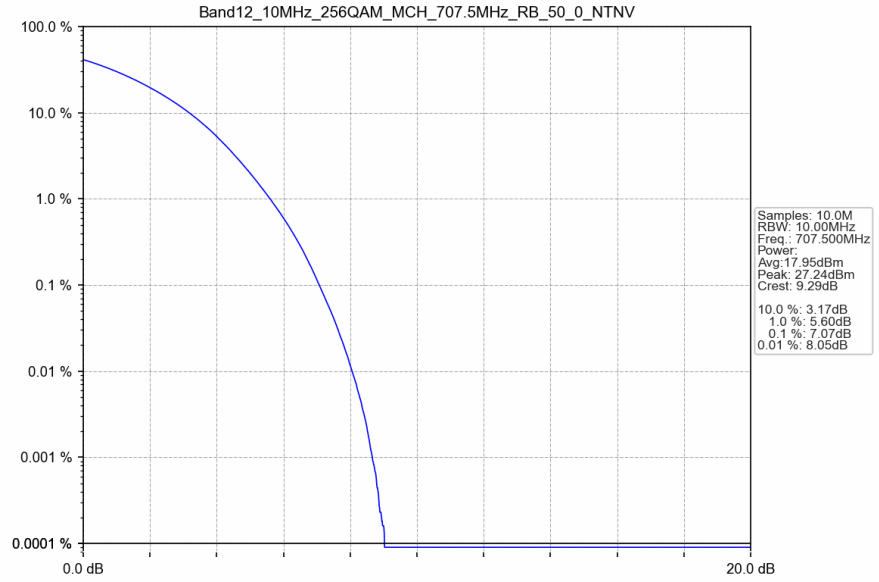
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



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

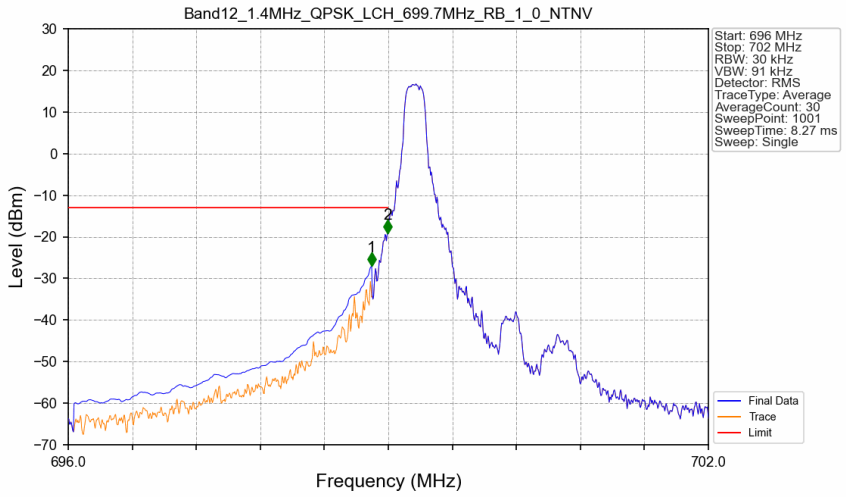
5.1.4 B12_10MHz

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

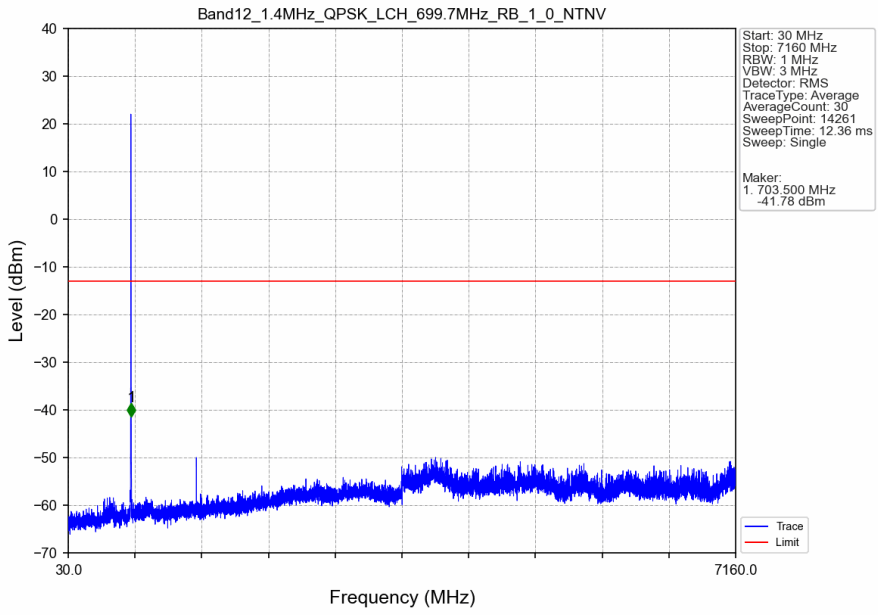
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

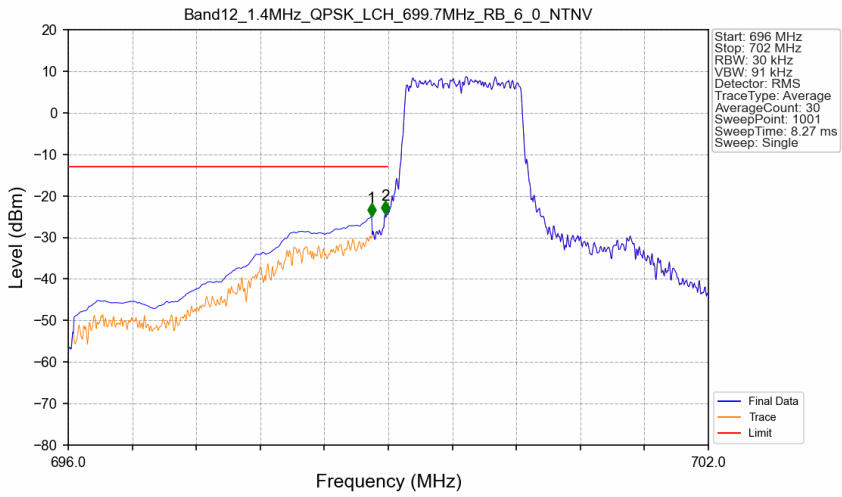


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-27.03	-13	Pass
698.9	699	0.03	/	2	698.994	-19.04	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

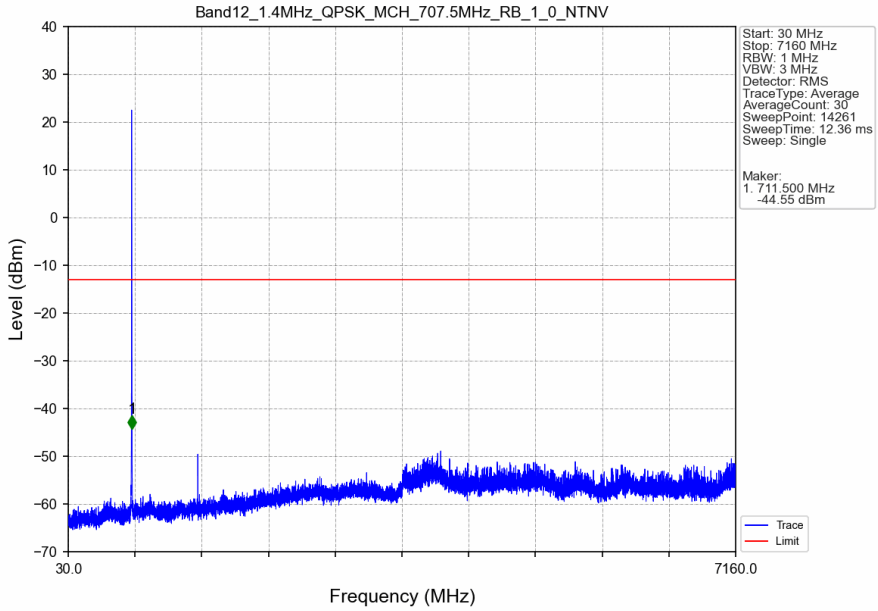


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

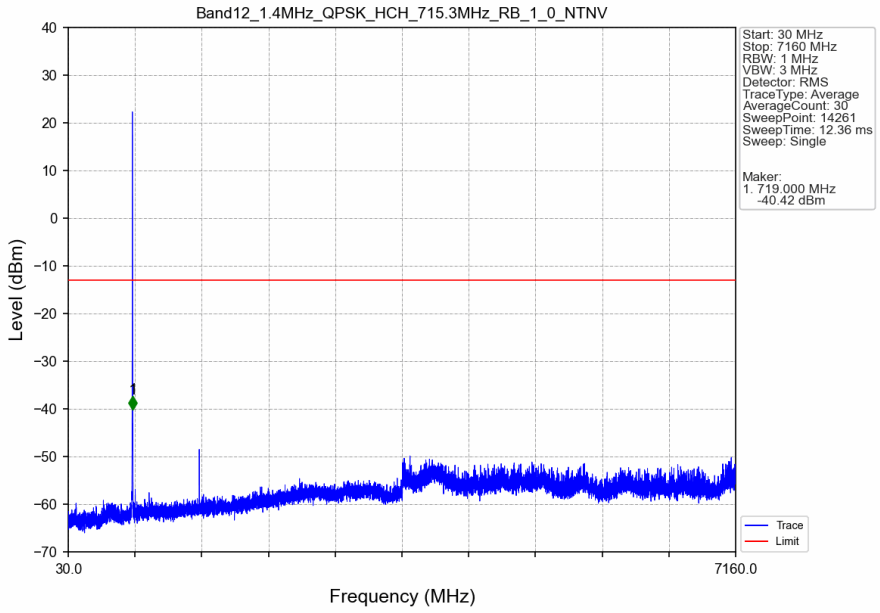


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-24.89	-13	Pass
698.9	699	0.03	/	2	698.970	-24.35	-13	Pass
699	702	0.03	/	/	/	/	/	/

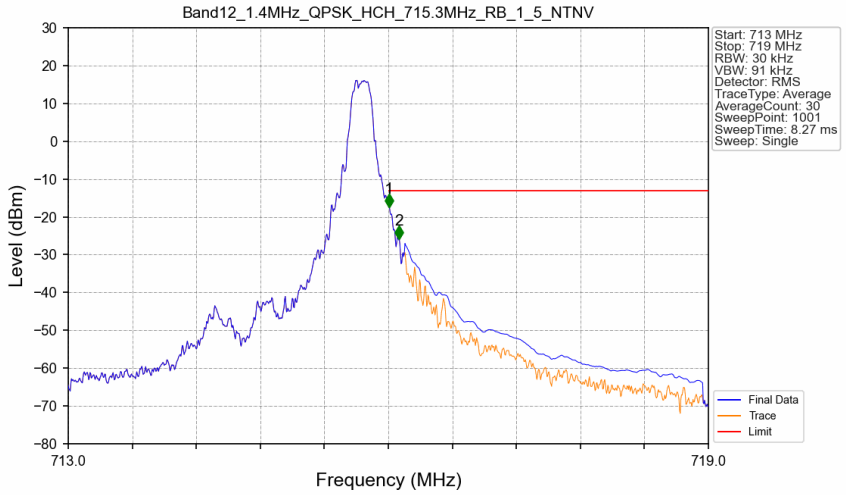
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

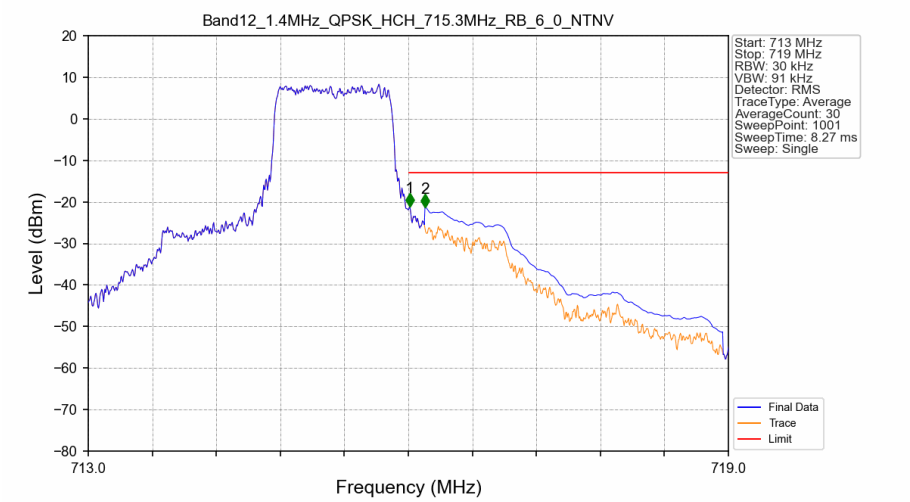


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-17.45	-13	Pass
716.1	719	0.1	CHP	2	716.102	-25.85	-13	Pass

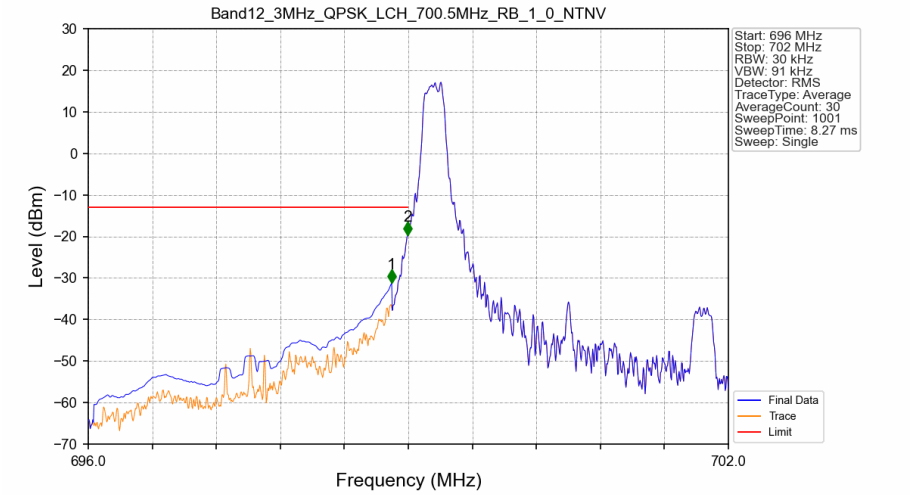
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	-21.09	-13	Pass
716.1	719	0.1	CHP	2	716.156	-21.36	-13	Pass

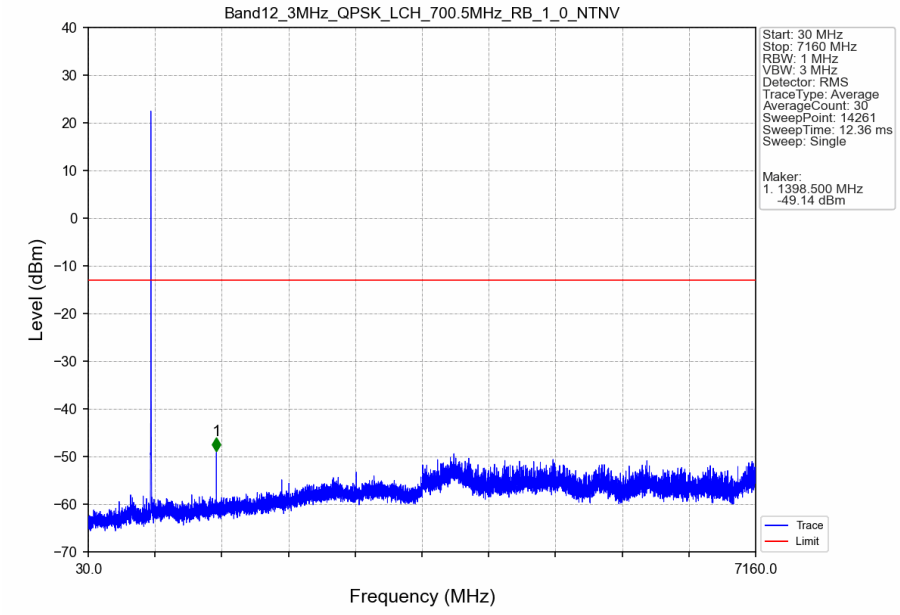
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

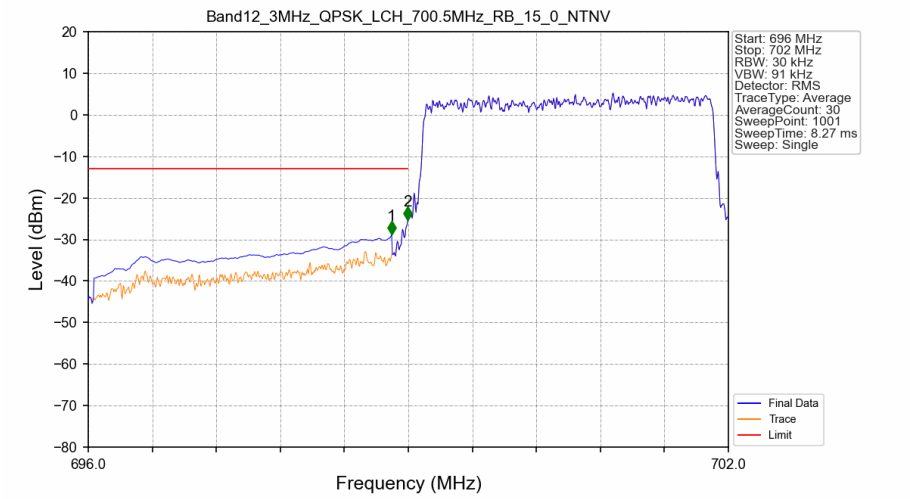


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.16	-13	Pass
698.9	699	0.03	/	2	698.994	-19.63	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

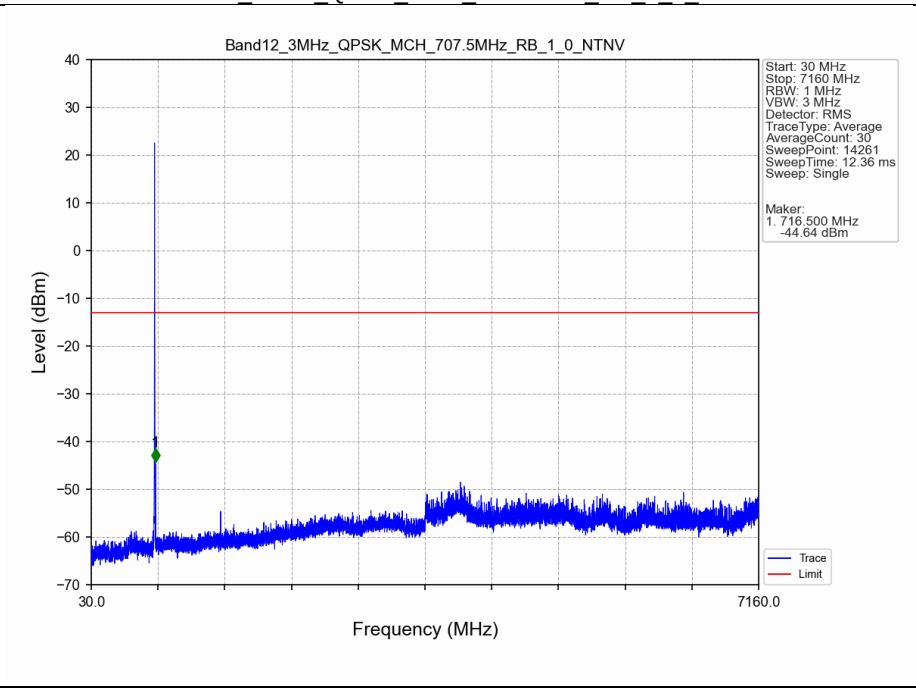


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

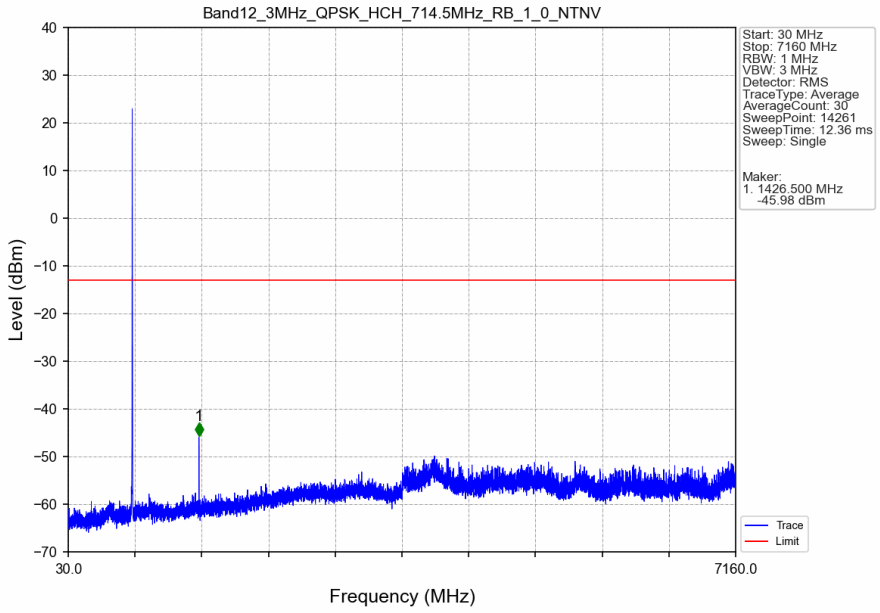


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-28.80	-13	Pass
698.9	699	0.03	/	2	698.994	-25.38	-13	Pass
699	702	0.03	/	/	/	/	/	/

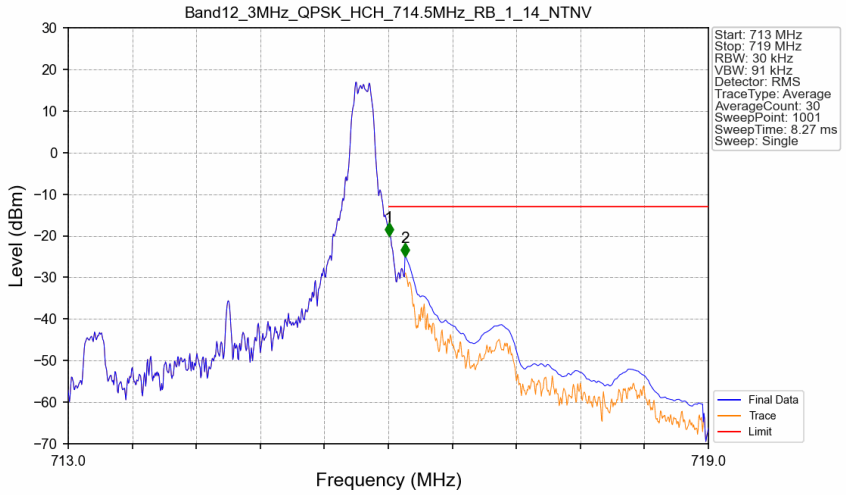
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

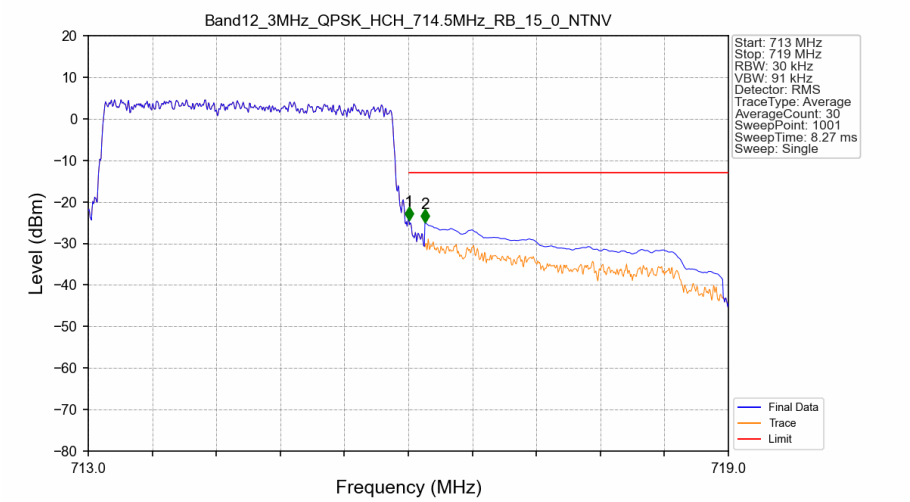


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	-19.98	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.97	-13	Pass

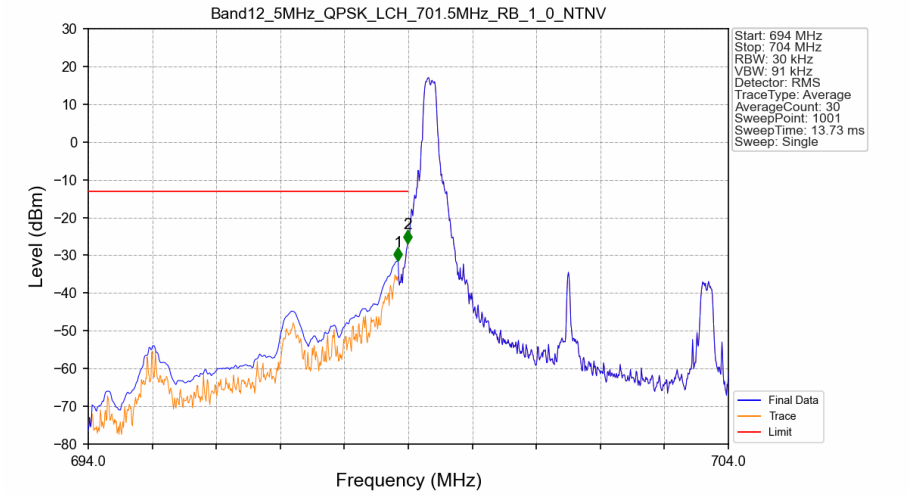
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-24.47	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.97	-13	Pass

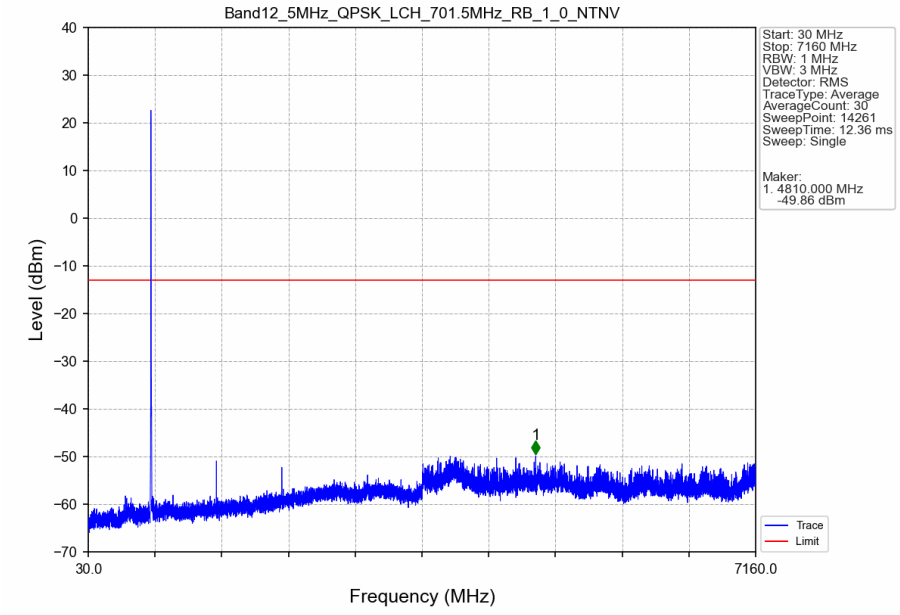
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

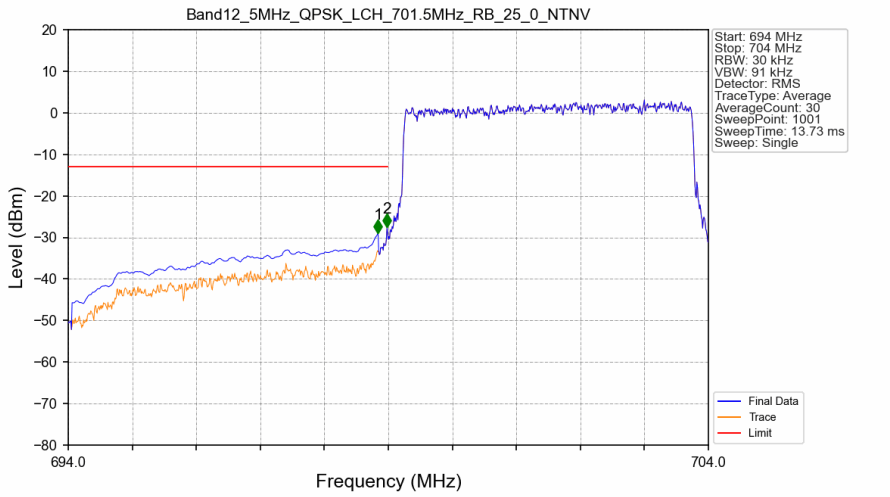


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-31.49	-13	Pass
698.9	699	0.03	/	2	698.990	-26.74	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

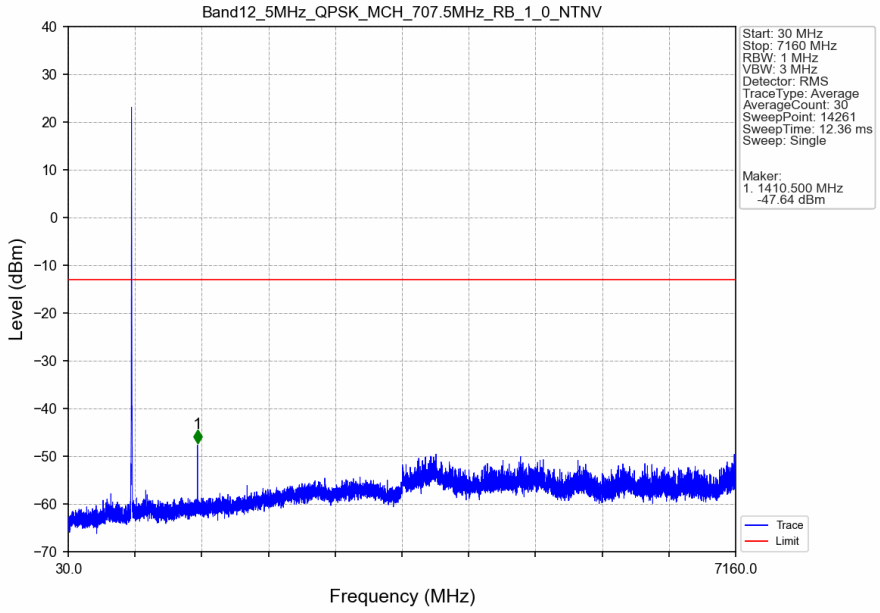


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

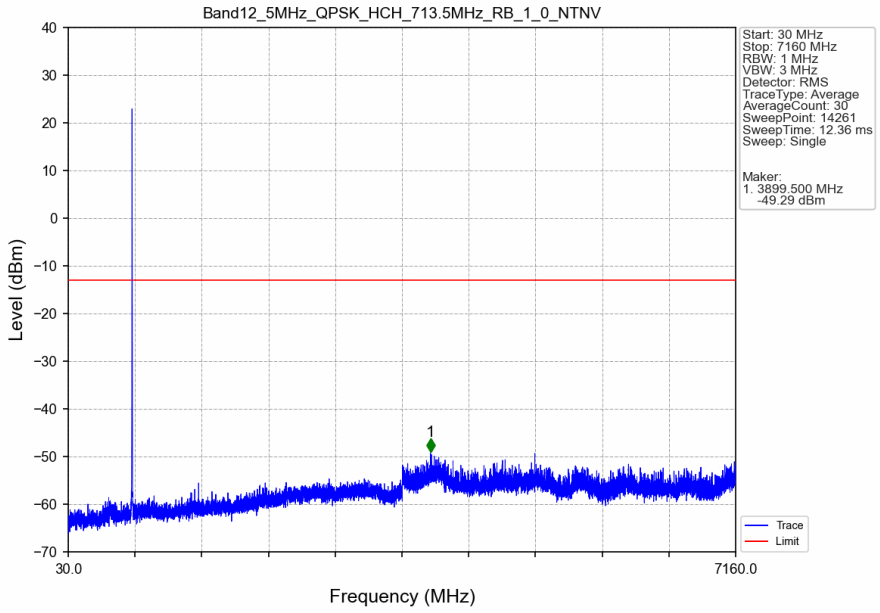


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-28.98	-13	Pass
698.9	699	0.03	/	2	698.980	-27.51	-13	Pass
699	704	0.03	/	/	/	/	/	/

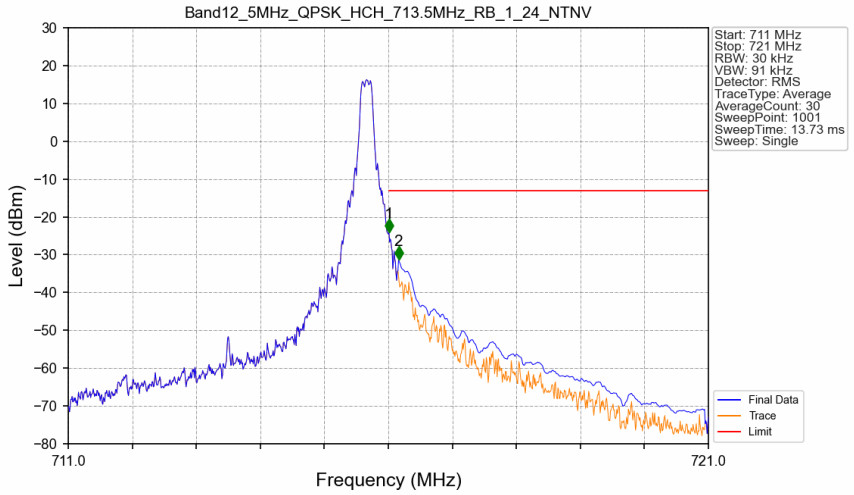
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

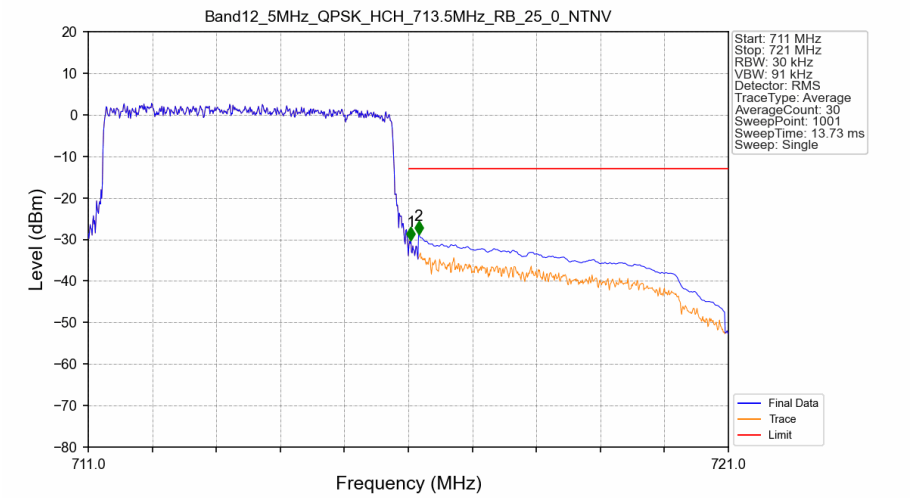


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-24.12	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.29	-13	Pass

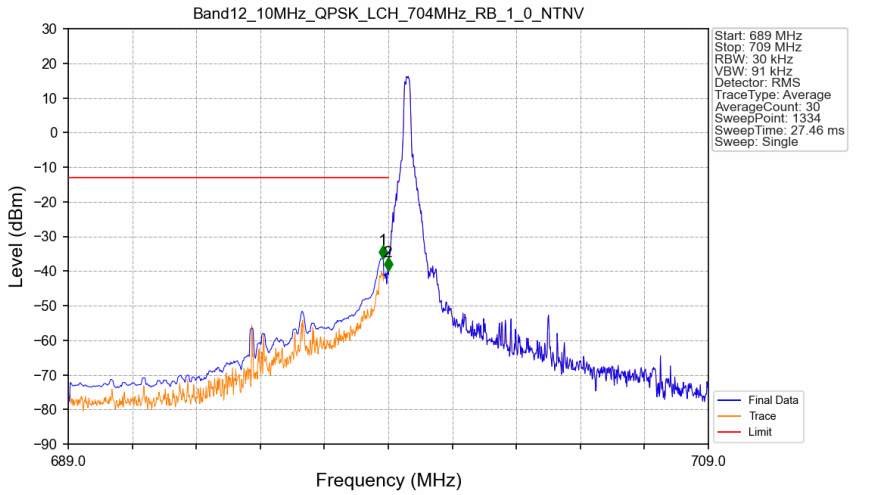
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	716.040	-30.27	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.77	-13	Pass

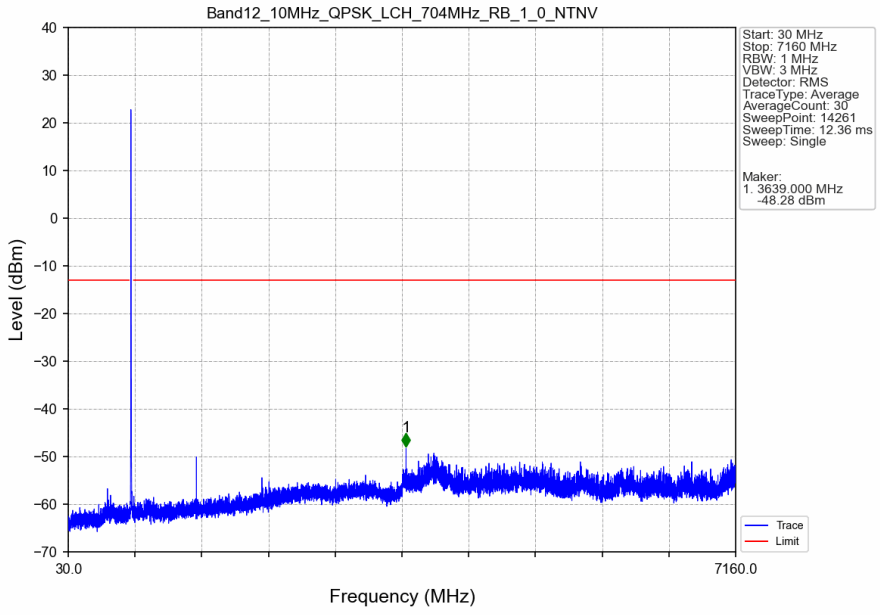
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

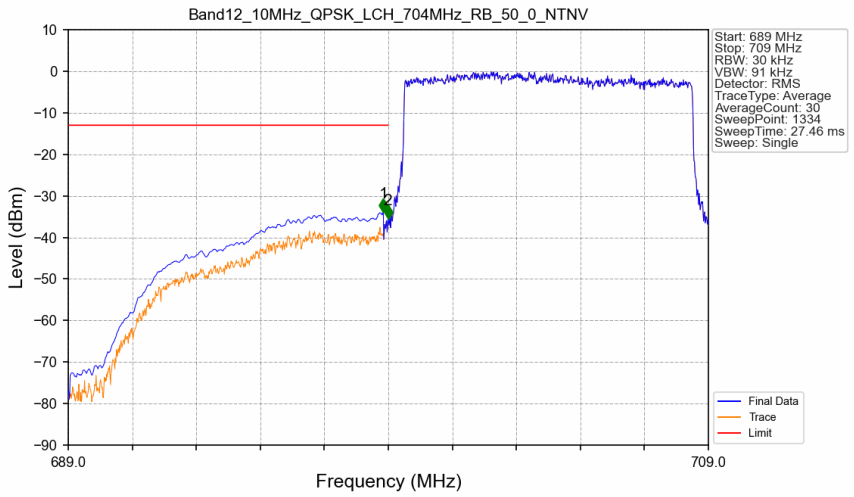


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.827	-36.40	-13	Pass
698.9	699	0.03	/	2	698.992	-39.82	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

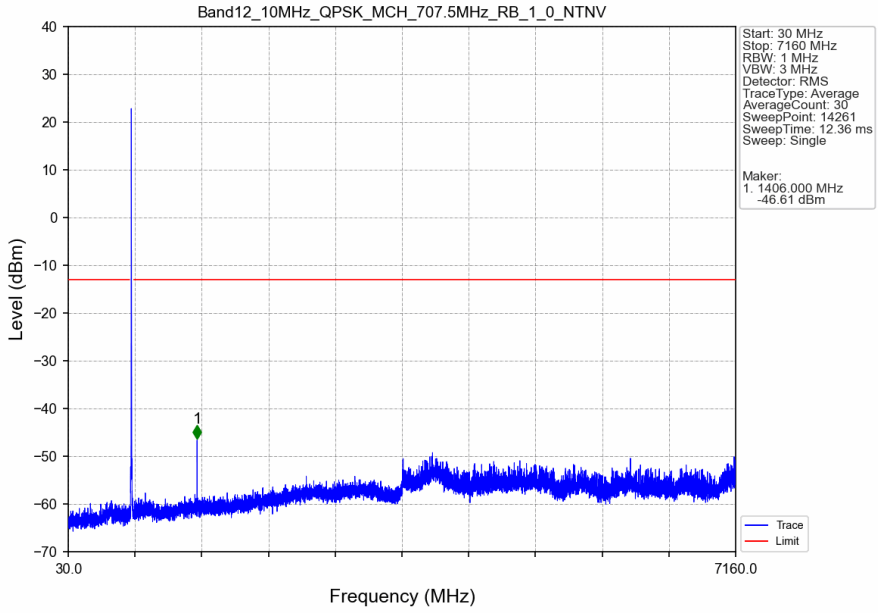


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

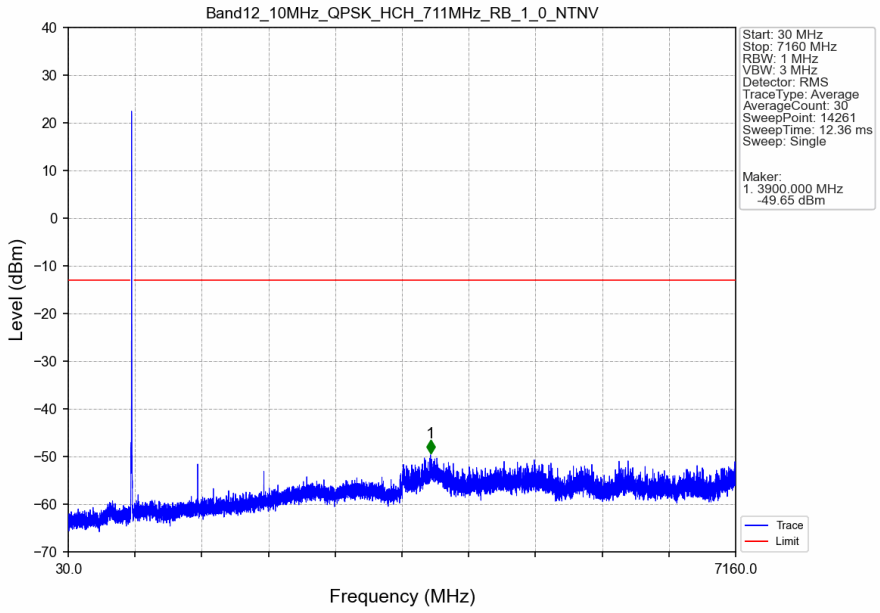


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-33.91	-13	Pass
698.9	699	0.03	/	2	698.992	-35.51	-13	Pass
699	709	0.03	/	/	/	/	/	/

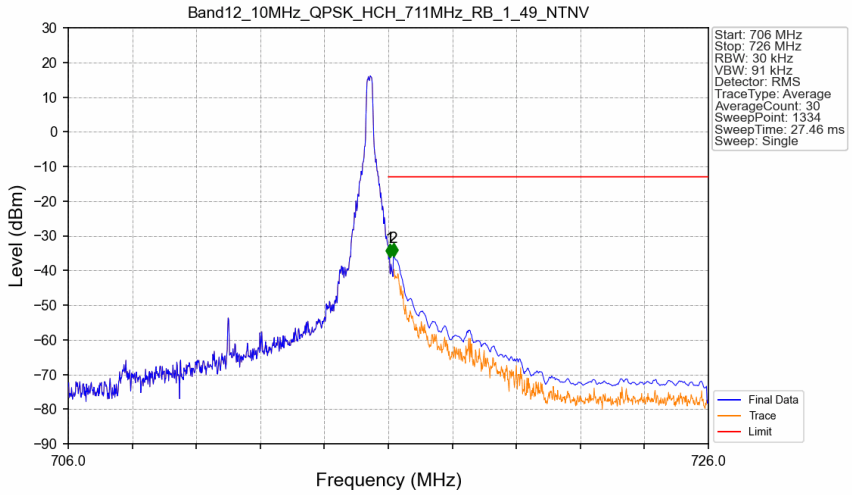
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

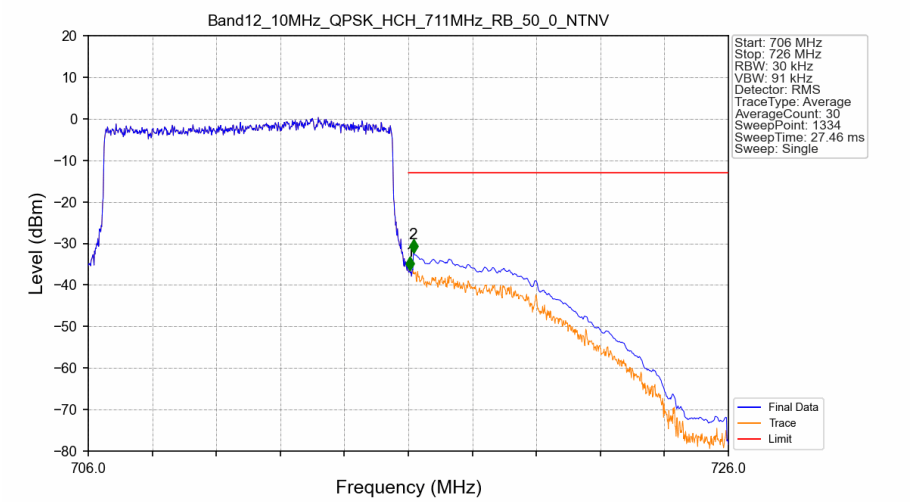


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-36.06	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.99	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.053	-36.39	-13	Pass
716.1	726	0.1	CHP	2	716.158	-32.18	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 12 ANT31-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1399.0	-57.77	-13	-44.77	-60.54	2.47	5.24	Horizontal	Pass
2098.5	-69.13	-13	-56.13	-71.2	2.79	4.86	Horizontal	Pass
2798.0	-68.45	-13	-55.45	-71.81	3.12	6.48	Horizontal	Pass
1399.0	-54.88	-13	-41.88	-57.65	2.47	5.24	Vertical	Pass
2098.5	-70.11	-13	-57.11	-72.18	2.79	4.86	Vertical	Pass
2798.0	-68.58	-13	-55.58	-71.94	3.12	6.48	Vertical	Pass

LTE Band 12 ANT31-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1406.0	-57.53	-13	-44.53	-60.33	2.48	5.28	Horizontal	Pass
2109.0	-70.08	-13	-57.08	-72.16	2.8	4.88	Horizontal	Pass
2812.0	-69.11	-13	-56.11	-72.5	3.12	6.51	Horizontal	Pass
1406.0	-52.2	-13	-39.2	-55.0	2.48	5.28	Vertical	Pass
2109.0	-70.14	-13	-57.14	-72.22	2.8	4.88	Vertical	Pass
2812.0	-68.83	-13	-55.83	-72.22	3.12	6.51	Vertical	Pass

LTE Band 12 ANT31-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1413.0	-56.66	-13	-43.66	-59.5	2.49	5.33	Horizontal	Pass
2119.5	-70.16	-13	-57.16	-72.26	2.81	4.91	Horizontal	Pass
2826.0	-68.35	-13	-55.35	-71.76	3.13	6.54	Horizontal	Pass
1413.0	-54.52	-13	-41.52	-57.36	2.49	5.33	Vertical	Pass
2119.5	-70.13	-13	-57.13	-72.23	2.81	4.91	Vertical	Pass
2826.0	-68.83	-13	-55.83	-72.24	3.13	6.54	Vertical	Pass